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No. 871

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# The Farmer's Xivocate 

 and Home pragazine"Persèvere and Succeed.

GONDON ONTARIO, JUNE: 3, 1909

EDITORIAL.
Marketing Homemade Butter
 How it gets there, remains for the storekeeper to explain. In some cases it may be due to the
fact that he is not competent to discriminate between the good and the bad. (ienerally, how price for all grades of butter, in most cases get ting even with the one who lrings in the inferior turn. or giving inferior woods. Particularly cheese factory is in operation. The consequence is that progressive farmers, who consistently put lower price for their buttur than the quality of their product demands. in other words, those who put up trashy butter keep down butter A keen demand always exists for a high-grad product, and certain classes are always willing to pay high prices for really superior goods. Two means of improving butcer prices are possible by purchasers, in accord with quality ; the other is more cleanly conditions in stable and dairy. and more up-to-date methods in making, and frains from telling the person who brings low grade product from the farm that it is not up to the standard, for fear he might lose trade, does not deserve custom. He places a price on his goods, according to quality, and he shim will be taken only on such basis. A little quict advice would go a long way toward remedying the dedefects in future. The product, in too many cases, is just as gat
purchaser demands.
The home buttermaker, in turn, should be pre pared to be fair. There are wey rew who cal not distinguish between good and bad butter.. If they would wait to consider that a merchach bor: who takes in butter of a higher grade, he, in curn, gets even by giving inferior goods, or charg
ing higher prices for goods of equal quality, they ing higher prices for goods of equal quality, they
would not hesitate about ondeavoring to make the necessary changes in methods. depmends on the care of the cream separator on
the farm. Regular and thorough washing of all uten-ils, and strict care to cool the cream as
quickly as possible, and alwass before mixing with cream from a previous milking, are requisites With due orecautions, there is no rcason

Australasian Pensions
Oldace Pension Trust Fund nuw has to its crowlit $\{543,621$, and. by the end of the current
financial year, will reach the total of nearly Cinancial yoar, sufficient to enable the treasurer to inaugurate the national pensions sustom. The first
 When the invancs is is ustimated the taxpayer

Increasing the Returns from Pasture
11 idea persists in many quarters that pastur cheap feed, which costs next to nothing, and necessary for the economical production of hemselves justified if they can carry their stock or winter without much or any increase in it to make profit from in the halcyon has of summer pasture. This mistaken view responsible for what, in the aggregate, bulks p into one of the most enormous losses of the arining business. As a direct result of it, mil-
tons of animals are maintained at a dead loss luring six or seven months of the year, and at but a meagre profit during the remaining five or
$\qquad$
$\qquad$ raise. That is to say, an acre under pasture, grazed by stock, will furnish less sustenance for he human race than an equal area under any Canadion pesture that will, without supplemenhary feeding suctain an ordinary cow three months. More often it requires two acres. But surmose the ofe o rich well-seeded wahured, permanent pasture on fertile soil, and assume that one acre of such land would graze a Cow abundantly for three months. Now, put that and under alfalfa, and corn, roots, clover and fixed grain, grown in rotation. If well cultiated, and regularly enriched by the manure from ill come very close to turning off enough feed and bedding to sustain the same cow a twelve month. The celebrated Peunsylvania dairyman anciterth, succecta, in keeping is cattle all thear round and practicing a oiling suctem - What is more he made it pay fourse this was intensive dairying; he was roducing a high-priced product (milk for Philadelphia trade) on high-priced land, and had to atilize the full producing capacity of every acr land. It would not be advisable for many Canadian iurmers to follow his methods in ful ber carry a potent suggestion.

This brings up the question, onder wha onditions is it advisable to utilize pasture, and on what extent ? In general, it pays to graze stock where land is relatively cheap, in propor athor , and by lavor, we do not aflud an tho far who lopts eres has ehe rer labor at hirte hires at twenty dollars, but uses time-consuming mplements, such as five-foot-cut mowers an fingle-furrow plows. Hence, we perceive that while in the long run, wages are ever rising, inven in the case of most kinds of farm work (milking wiuc thotable exception), the lator cost ing crops is not increasing, but rather decreasing on the up-to-date farm, while rents and lan values show a tendency to augment-a tendenc that will become much more marked as the Wes fils up. Therefore, we see that land-renta calues are becoming (relative to labor) an increas lll progressively tend of production, and huss progressively tend to decrease the promable as of pasture, as comparen be
$\qquad$
on the more valuable farms to practice summer stable-feeding to some extent, not merely as a but as a sottled practice. If an acre of alfalfa will furnish almost enough feed to keep a cow a year, or, say, three and a half to seven times as much as an acre of pasture, will it not pay liberal wages to grow some alfalfa to help out the pastures? Corn silage is another excellent reed that can be employed to advantage for the same purpose, while alfalfa and corn sliage, hialra and green corn together make an excellent reed. Even fresh, wel-cured a cows at night.
is stated before, we do not advocate the adoption of an exclusive soiling system, and, for wo or three reasons. First, it entails too much abor to be prorlable for any exept strongly to itensive practice, secoural conditions of exercise, liberty, fesh air sunshine and palatable, wholesome food which a watered and shady pasture affords are a valuable contribution to the wellbeing of the stock. For breeding animals, a pasture is particularly beneficial. Let every farmer, therefore, provide such pasture for his stock, but let him also consider the economy of supplementing the pasture, for his cows, at least, by regular practice of stable-feeding at night during most of the summer. It would lead to the maintenance of a much larger stock, and of greater returns without buying more land

## Orchard Management

The seven systems of orchard culture, as outfined on another page, contain suggestions that demand the attention of every man who grows fruit trees. Soil and climatic conditions must always be taken into consideration, but, on the hole, thorougk cultivation darkg dall hittedly the hest
Figures quoted, as showing the results in Western New York; are not at variance with the esults obtained been noticeable in dis'ricts where co-operative fruit-growers' associaions are well organized. Numerous instances re known where orchards that lay in sod for a number of years were giving little or no annual profit. Rules of the association necessitated bet er cultural methods. Pruning helped to give arger fruit; spraying helped to keep down in sects and fungi, and so insure freetom from blem-

$$
\begin{aligned}
& \text { ish cultivation, however, is acknowledged to be } \\
& \text { a most important factor in giving annually in- }
\end{aligned}
$$ reasing returns from the area devoted to fruit growing.

Prosecutions and Quality.
That Ontario inspectors, both in city and country, intend to put a stop to tampering with mik supplied for retail trade, or for factory use erideneer he proseculons radready , ont fors and nu in tica hin hat ary conditions throughout the season. There is, on, prospect for strict action in regard to a Sew factory propriftors who are slow to make such changes as are essential to the manufacture of high-grade product.
the Farmer's Advocate and Home Magazine.
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THF WIILIAM WEID COMPAYY
$\qquad$
the vicinity of locust Hill. In both cases th charge
milk. Sulficient evidence was
rant heavy fines being imposed
It is regrettable that such means have to be adopted to prevent roguery in the producing end only a trifing percentage are guilty of such practices. It is not necessary to have instruct-
ors and inspectors acting as spies. Their duties are to point out defects where such exist, and suggest a practical remedy. Where intentional draud is evident, however, stringent measures ar concerned, but they, at least, have some influenc in insuring honest milk for consumer and manu

The Hired-help Problem Kude mony o help for the simmer, secin' the days are lang, an their money oot o' ony mon they can got haul their money oot o' ony mon they can get haul
$0^{\prime}$. Sae, wi' yer permission I wad just be sayin a word or twa on the "Labor Problem," as
relates tae oor interest as tillers o' the soil. The first difficulty that confronts the maist us is tae induce ony mon tae wark on the farn
at $a^{\prime}$. The next tribble is tae keep him, gin $h$ happens tae be a guid one.
Noo, it's a fac' pretty weel kenned, that the lang hours o. wark on the average farm hat a tae the city, an' wha can blame them? Th farm hand, as a rule disna' ken when his day quits when he canna' see tae dae onything, matr
This system willna' wark vera much langer, if system se can ca' it. The great trouble wi'
lot of oor farmers is that they dinna ken, what system means. They will be aye jumpin' frat ae gang tae anither, which they will leave the same condeetion, an' when their day o say
teen oors is ended they hac aboot as muckle complished as a hen that tries tae hatch oot t"M1
gettins' o' eggs at thi same time.
what ye hae on hand afore ye gang tae onything else. That is the first step in systematic farm-
ing, an' when ye hae learned tae tak' that yin, ye'll find the rest comin' natural eneuch, An'
ane o' these after steps will be the gettin', yer day's wark doon tae a specified nein' tae help us wi' this labor question that we hae under discussion. For the above rules there may be exceptions ye ken, noo an' again, but gin the hired
mon has an idea that he willna' be called frae ane job tae anither, wi'oot rhyme or reason, an' ane
that the days wark will be ended by, say, sax
o'clock I'll warrant ye that, wi' the added ino'clock, I'll warrant ye that, wi' the added in
terest he wull tak' in his wark, alang wi' his terest he wull tak' in his wark, atang "h a
ability to dae mair, ye will be no muckle behind on the expeeriment. An' gin he is a mon o ony
sense he will na' be leavin' ye juist at the time ye are maist in need o' him, as sae mony o' them
will be daein' the noo 'When we ken eneuch tae will be daein' the noo. When we ken enact they
gie oor hired help the same treatment that get in the city factories that are takin' them
awa' frae us, then I'm thinkin' oor troubles, gin awa' frae us, then I'm thinkin' oor troubles, gin
they are no' ended, will be consecderably less than they are at present. will be consecderabs Anither feature o' this same subject is that re-
Iatin' tae the children we get frae the Auld Counlatin' tae the children we get frae the Auld Coun-
try. The maist $0^{\prime}$ us hae conseederable prejudice agin these "Home Children," as we ca' prejudice agin we are forced by necessity to tak' ane o' them intae oor hame, we are apt tae be unco' suspeecious o' them, an' let them ken that we dinna' expect onything vera guid frae them at
the best. Gin a person does this they willna' the best. hin a person does Treat a boy like a rascal an' it's a rascal he'll become. Why will
ve no' gie him the same chance ye wad one o' ye no' gie him the same chance ye wad one o
yer ain bairns, an' think the best o' him, until
and ve find oot different onyway? The tribble wi'
us is that we set up twa standards o' richt an' as is that we set up twa standards o richt an
wrang, one for oor ain lads an' lassies, an anither for the bairns that come tae us frae
Gin we find them oot in ony wrang doing we canna' forgie' them or mak' ony
gin they dae, I wull juist hae to say that I mam
gie it up. There sems tae be na ither way
gettin' a young wumman tae wark on the form
hut tae marry her, an' while oor Government gettin' a young wumman tae wark on the farm willna' permit us men tae follow the exampla the Mormons, I doot the hoosewark will hae tal be dune wi'oot ony extra help. (Gin 1 didma ken better I micht start preachin' the relugion "system" for the wark in the hoose as weel in 'The wark on the farm, but we a' ken hoo
$\qquad$

## HORSES.

## The King's Plate Race

Hon. J.S. Hendrie's four-year-old Thor-
oughbred mare, Shimonese, by Martimas, dan oughtite. (iilbert up, won the King's Plate race 2 2nd, by four eight starters: Seagram's 'Tollendal, in a field on Mr. Seacram's seismic 3 from the fast ame made b The estimated value of the King's Plate (the gift of His Majesty) is 50 guineas ( $\$ 25(1)$, with $\$ 4$, not known the Guen's Mate and this is the eighth race for the King's Mate, and the fiftieth, or run in 186io, and won hy James White's Ton
Juan The distance was th miles unto Juan. The distance was $1 \frac{1}{2}$ miles up to 1881

## Working Brood Mares


ountess Clio (16974)
Hachney mare. five years old; chestnut. Winner

ing heavy or heat heat-
avoid be avoided as much as
possible, as overexertion tends to
reduce the milk flow must hae had on themstary and deprive the Auld Country, but we aye pack them back tac it is important that the mare should not be ter, or gie them the second chance that we a as the latter is liable to get excessively hungry must hae, an' that we are gey willin' tae gie tae and take too much milk, which may lead to difault. Cate nature, and may he easily upset. Moreover, "Il'm no advisin' ony parent tae be takin' these when a foal is kept separated from its dam for an gin they hae bairns o' their ain, but for the hoose against a thriving condition. The younger the objection to helpin' some lad or lassice the a in the case of very young foals, their dams should citizens we can gie it. hours, but, the foms get older, the periods of
 pect onything better frae them than some oor state from working, as hers milk is then apt to
 11. and oor hired men. Whan the dinna mataren out to work, the foal

in the partitions. The ionl should b, handley and petted, and induced to vat oats and bran, b putt later in the manger. It is, where pract icable an excellent plan to keep two foals toget her for company when separated from their mothers, ns comptented. Of course, at night they may run with their mothers at pasture, though, in case of
cold rains, both are safer in box stanls together.

## Well-ventilated Horse Barn

The accompanying plans for a horse barn, al-
hough, perhaps, more elaborate than can be ad though, perhaps, more elaborate than can be ad
vised on the averate farm, turrit consideration vised ove horseman. A floor plan and a cross-
by overy
ection plan of the horse barn on the Central Experimental Farm at Ottawa are shown. Stabling accommodation is provided for 23 horses. "onthat stand out prominently. The following description is given by J. H. Grisdale, Agriculturist The ancomponsing plan of plains itself for the most part. The doorway at the end, marked "doorway or stall", is not used as an entry or exit for horses. It is of such arises, be used as a stall.
arisesterring to the cross-section diagram, it is intended to show the (1) wall construction, (2)
floor construction and inclines, (3) feed chutes, Hoor construction and inclines,
(4) mangers, (5) King system of ventilation, (6) Rutherford system of ventilation, (7) stall divisions.
The walls starting at at the outside are built ertical inch-dressed lumber, battens, over joints
wo building papers, rough lumber, horizontal : $G_{\text {-inch studs }}$ and air space, rough lumter, horizontal; building paper; V -joint inside , inish. The ceiling or upper fluor is constructen similaril
foists supported by two beams rant... on stalil joists. As indicated, the foundation - Wiril of con crete. The floor, a regular ..." one, with the
necessary pitches or inclines. was built of of
 for horses. A good depth of stone was laid on the ground, a layer of ahouk tive inches of rough concrete, one cement off with a second layer, ond part cement, two and a half parts coarse sand and a half part crushed granite. The surface of the passages is cut by inch-deep grooves into fee
inch squares. inch squares. The main passage, twe ter
wide is about three inches higher in the center. descending with a convex slope to immediately: besind the horses. The stand for the horses is
about four inches higher than the gutter or low about four inches higher than the gutcer or
est point oi the twelve-feet passage. est The stands are nine feet long, first three feet
 Stalls vary in with from tive feo being one-hal inch, the center of the stal elfor
inch lower than the outer edges. The horses stand on cement.
Feed chutes, as shown in diagram, begin at the Feed chutes, as shown in diagram, begin at doe
plate and end in the manger.
Dors to and near the floor of loft. The chute is slightly bell - shaped,
so that hay once so that hay
started
drops
once
to manger. This plan of teeding long hay has been fou
sat isfactory.
The mangers extend clear across the stall, the hay chute
falling into one end. falling into one end
The grain or meal is fed in the manger, no special box there Horses ${ }^{2} \mathrm{r}$ e
watered by man in watered by man in
charge. Tank at end of twelve-foot passage, to which
they may be led if the desired. This
stable
equipped
with equipped with tws wnilation, either one of which may be operated quite in dependently of the other. They are
what are known as (1) the King systen ventilation. the Rutherford
tom of ventilation
IIt the King svatem
the tresh air is al luwed to enter at th iling, and lea noar the flo
not
Rutherfori


Cross Section of Horse Barn, C. E. F., Ottawa.
by the double-headed arrows. The air enters by passages passing underneath the walls. The ex(see "Hood" in diagram). These passages might open into the stable immediately the wall was passed if the internal arrangement permitted, but may be conducted by underground or surface
tubes or passages to whatever point or points may be considered most suitable. In this case air enters at "R," behind the "Hood," passes along underground passages and is discharged in-
to stable at J. It circulates and escapes from the stable by "foul-air exit" G. W. This outlet should have a cross-section area of twelve square inches for each horse. The inlet capacity may be
satisfactory if somewhat less. The outlet pipe is satisfactory if somewher iess.
provided with a damper or key, which permits of the air current being controlled. It is also well
to provide the "hoods" with keys or dampers to to provide che hoods

Uem, the air enters at or near the floor level and Ir the the celing when the Kiny system is in in oneration is shown by the single-headed arrows. That is, the air en Crends by and passage at "M" on the hing it enters the ctable. The air then circulates, is be fouled or mixed with the carbon dioxide gas, be comes heavier, falls to the floor, and 15 then gers, ns at ank let," L.Y.W. If desired, and as recommended, controlled openings may be left in the outle hassage or tubes near the celling, us at 10 warm This system has hean found satisfactory in many stables. The air currents in the case of the Rutherfor


THE FARMER'S ADVOCATE.

## LIVE STOCK.

## Ipeland's National Stock Show.

A big national show of live stock in an almos purely agricultural country like Ireland, is an a more than ibsur a carnival, and to the breeder a school, but to the outside world it is the country's advertisement. At our big spring show, under the auspices of April, all three func tions were faithfully discharged. Visitors to the number of close on 20,000 , from near and far, had
an opportunity of examining and admfring the results of our herdowners' skill and enterprise. Just 450 exhibitors oî cattle, pigs, heavy horses, hackneys and ponies, and dairy produce, had prizes
exceeding $~$
24,400 in value to compete for, and, exceeding $£ 3,400$ in value to compete 1 or,
lastly, the ordinary farmer was privileged to in spect hundreds of object-lessons in the art of breeding and showing among the 1,200 -odd animals
exhibited, thus gaining a clear insight into the exhibited, thus gaining a clear insight into the
ideals of those who are moulding animal form. Besides these, there were 180 exhibits, some them very extensive and elaborate, doing duty for
the leading firms who cater for the farmer's needs the leading firms who cater for the farmer's needs
in the matter of feeding stuffs, seeds, veterinary specifics, and machinery and appliances of all specifics,
kinds, the great majority of the last named being
shown in motion. shown in motion.
Taken all round, the exhibition was a grand one, and a distinct credit to a country which has, of late, deservedly claimed a prominent position or pedigree-stock-breeding. Some of the bestknown experts from England and scotland acted
among the judges, and close on 20 prominent among the judges, and close on high-class exhibits. According to the crossChannel papers, their object was to show us what good cattle should be. Possibly, but such de-
lightful unselfishness is rare, and I think the likelightiful onselfishness wisning prizes amounting in some classes to $£ 25$ and $£ 30$ each, had something to say in this matter. Except inimals more than held their own, as will be indicated later on. The proceedings lasted four days, and interest never flagged. When the judging had been compart of two days, a very sound trade being ex perienced, especially for all bulls entitled to hold premiums under the scheme of the Department of
Agriculture
Such selected sires-just 220 were Agriculture. Such selected sires-just 220 wert to 55 gs. , which ranged from $£ 5$ to $£ 10$ above those ruling on the corresponding oceasion last year, although individual prices were hardy so
high. I do not propose, in this article, to deal with
the details of the awards in the various sections. Canadian breeders are more likely to be interested in a few impressions as to how the rival breeds of cattle are progressing in Ireland, as suggested by
this big show. Taking first the ever-popular and this big show. Taking first which are facile princeps at Ballsbridge, as elsewhere, we had this year a grand turn-out of 573 entries in 13 classes. The
practical ohserver of this magnificent display
could not but he impressed with the vast contrast
 Fimwnemen mand deeply-substanced lot of capital market value. The great improvement that has taken place has often
been appreciatively commented upon II, English been appreciatively commented upon to deal with
and Scotch authorities who have had to as for store stock. The Shorthorn, of all breeds, is the one most likely to bend with the common in type, and the well-1)red premium bulls which have during the past eight years been sent
through the country have given the tenant-farmer a boon which his brother breeders of equal status in either England or scotland do not possess. I the Dublin show is a criterion, then a wonderiu
levelling up, of pedigree Shorthorns has taker place, though there is still an amount of rough
ness to get rid of. The beef type has been thi sort most favored, and this can be carricd to far in a country which must primarily be a dairy ing one. Latterly, howerer, this tendency ha been recognized as unwise, and now the milking
type of shorthorn is being more encouraged, and premiums under the scheme are being actuall: awarded to young bulls, the produce of pedigre chorthorn sires, off deep-miking cows that hav been accepted for entry in the recently-establishe
Irish Dairy Herdbook, started by the Department Nish Dairy Herdbook, started by the Department
Nothing was more striking at the show that The great turn-out of the Aberdeen-Angus breed This breed is making great headway, and, within its limited sphere, is wresting from the Shorthor a share of its at-one-time unchallenged populat Ity. Trish farmers are finding out its specia fleshy stock for the butcher; but, unlike th Shorthorn, the black bulls cannot be successfull. used on subsequent generations, their impressive ness being limited to the one mating. The be indefinitely used with successive generations and effect improvement all the time, while th red, white and roan is also, of counse, far bette
for dairy purposes. Irish breeders of Aberdeen Angus cattle are a rather well-to-do class, an they have succeeded in greatly refining the spect mens which they keep during the past few year At the big Scotch sales, hiced adodies were hought by enterprising Priced enthusiasts, who thus manifested their con fidence in their favorites. The pick of thes purchases were entered for Ballsbridge Show, bu ousted for the principal places by home-bred bulls and cows. The entire show of the breed wal characterized by unusually good substance and the standard attained by the younger bulls. Herefords are also moving ahead, and the for mation, last month, of an Irish Hereford hreeder capital breed in our midst. For beef production pure and simple, it is out by itself in many of the leading grazing districts in 1reland. The ammals Shown at Ballsbridge numbered 91 in eight classes, and the tussle for prizes found our
Irish breeders leaving some noted Findich ex hibitors in obs eurity: indeed, the latter had hardly a look-in. There was, no doubt, capital
berdeen-Angus were not so noticcuble Wexters, both native breeds, were o be feared that the show-yard tendency hined to militate against the development must utilitarian features of these varieties, "hich une unrivalled for thriftiness, and, for their size, were a handsome, milky-looking group of 66 , but Ayshires, with only \& entries, did no great impression. The latter breed may, howA word about the pig section is all I hate display numerically was somewhat disapporinting, Gbout the 40 animals shown. The Large White And the Large 13lack breeds made up the section, he average of mer shows The 13lacks with us with great flourish a few seasons age and proved thersel oonnection they still enjoy a splendid reputation. ome bacon-curing firms in the south, howwer,
practically boycotted dark-colored pigs in fairs y markets, and this opposition has undoubted farmers who were less powerful than influential farmers who were less powerful than influential
monopolies of curine estalishments.

French-Canadian Cattle
Few pure breeds of live stock have originated Alled French C'amadian horses and cattle, found in The Province of Quebec, be accepted as such.
there are people living who remember, with ap reciation, the handsome, hardy and fieet French 'anadian horses of Quebec, in the early and mid de years of the last past century, which, from well-nigh become extinct, until, in the last few vears, during which a commendable effort has been nstituted by the Dominion Minister of Agricul
ure, assisted by an organized society of Quebec breeders, to re-establish the breed by the selection and registration of inspected stallions and mare conforming most nearly to the original type, an prove successful in restoring to the breed its pris.

The French-Canadian cattle, which partak largely of the similar qualities of hardiness and
healthfulness, have probably been maintained with a greater degree of purity of blood than have the horses of the Province, and are found in much greater numbers, conforming fairly well to th cype of the breed. From an address by J. H
(irisdale, of the central Fxperimental Farm an Ottawa, before the Committee on Agriculture o the House of Commons, we learn that French cattle were brought into Canada about 1620, an to those now found in many parts of the Prov ince of Quebec, is indicated in the memoirs of $M$ de Tracy, Intendant, and M. de Courcelles, (iover nor. These men were sent out from France in
1665 , and brought with them some cattle 1665 , and brought with them some cattle (on
reaching queber, they reported finding cattle simi

the found in Brittany and Normandy. In Brittany
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 Minister of Agriculture; and 11 . J. . . Couture started a campaign to rehampate the french
Canadian cow in the favor of the people, with the Canadian cow in the
result that, in 1886 , opened, which was, held open for ten bears for
reception of foundation stock. reception of foundation stoch. Inspectors trav-
elled throughout (2uebec inspecting animals onfered by furmers, and, on pasment of a iece, animals
found to coniorm to the requirements of the herdbook so lat II they were turning out ase they hall promised that time, only such cattle as ure direct dy scendants have been admitted for registration When the foundation herdtooh closed, lecember
$31 \mathrm{st}, 1896$, there were 5,305 cows and 922 bulls entered, and the first wolume of the herdbook which will be printed this seats, will contain near the herdhook, more care has been given to the
cattle, and the cows are hecoming heavier pro ducers. The first authentic tost available is that
of the i'an-American Exposition, at Buffilo, when six months, gase an arerage of ", 935 , 7 pounds mitk per cow, and an arerage of 205 pounds of
butter in that time The cow, Fancy 62522 . County, Quebec, which has found her way into the Advanced Registry, made a year's record of 7,425 pounds of milk, showing 4.3 per cent lat, giving tawa, is a cow of the breed that has given as nigh as 60 pounds at a milking: another that has
given 7,691 pounds inilk in a vear, testing 4.96 per cent. or 418 pounds butter in one year; and
another that has given nearly $9,(10)$ pounds milk testine over 1 per cent. a and IIr. Couture is given
as nuthority for the statement that a very small cow of the breed has given 11,310 pounds of milk in 318 days, and only 11 months between calve
while, as to the cost of production of milk, the results for six years, in comparisou
shires, Cuernseys and shorthorns, at Ottawa, case of hutter, first. Seven of these cows, at th ottawa station, two of which were heifers. in one pound. $\$ 7778$ the best one in the lot making $\$ 109.02$ for her butter product, and the second Another point in favor of the French-Cana-
dians is their remarkable persistence in milking dians is their remarkable persistence in milking Mr. Grisdale cites the case of a cow of thced 1,000
which, having calved in November, produce pounds of milk in Jecember, 1,000 pounds in Tune, and approximately the same quantity for
several months between, while almost all of the several months between, wality, although probably
breed possess the same qual not to such a marked degree as in the case just mentioned. Of course, the production of a herd of dairy quas depends largely upon the kind, quanticy and French-canadian cow in the hands of the average
farmer in that Irovince has probably not been as farmer in that Province has probably not been as
liberally fed as are dairy herds in some other disliberally fed as are dairy herds in some other dis-
tricts, but in the few instances quoted, in which tricts, but in the fow instances quoted, in which Ther hate responded generously. And if given the thes would soon show ressuls quite as satisfactors
in propertion to the cost of food consumed;
while as to healthiulncss. thes would doubtese rank amone the hest hess, thes would dombtese

up, ontside (2uelee irom tom itws of pat riot ism aim total of merpit sutitles it to a place on thim

Alfalfa for Swine

IHE FARMER'S ADVOCATE

## 

 Cerson a farm of former (:overnor Hoard, in Jef trol the air current. This key may be regulated he sentan's third culting, and their drink skim air, it in any position desired . To admit fresh last from the dairy, "ithout any grainn until the through the wall at floor level. These openings the object is to pire the sows a food that will flow upwards, rather than along the floor level, heep, them in a nim fecerish state, and furnish pro- as it enters the room. The inlets of fresh-airtein sufficient to build the bocties of the forth. openings should be at least four in number, two cominer pigs. on east and two on west side. Each opening I Finney County, Kansas, farmer reports hav- should he at least one square foot in area. It
inf pastured 3 , inies on one acre of alfalfa from is, of course, not necessary that the openings be la.) 1 st to heptember 1 st, when they weighem IIIi) pounds each, and were in fine condition for
fattening. Another Lansas farmer teports keep Another hansas larmer teports keep-
ing 100 pigs from ahout the middle of April to
sieptember on five acres of alfulfin pasture ceptember on five acres of alfulfa pasture. A
little grain during the last two months would have grained him many pounds of pork. Many have gained him many pounds of pork Many Fallin the maintained from Muy to Uctober on al The That station found that young shout without grain. But the Station found, also, "isconsin dairyman reported that he kept ning

sows all winter and spring on alfalfa hay and | shim milk, without any grain, and raised irom |
| :--- |
| them |
| 5 | of The colorado station considers that a ration of three-fourths corn and one-fourth alfalfa hay roung hogs not ready for fattening the propor recommend grinding alfalfa hay for hogs, probawron the theory that the hog's time is not Worth much, at best, and he can do his own

## Ventilation and Plan of Stable.

I built a basement, 50 x 65 , in Juls, 1907, in-
tending to put up a barn last summer, but I did not put any tile in the wall. $\begin{gathered}\text { Please tell me } \\ \text { through vour valuable paper how to }\end{gathered}$ hrough your valuable paper how to ventilate
and the size of chimney and ventilator on top

$$
\begin{aligned}
& \text { harn. My harn doors face the west. I will have } \\
& \text { 2. My } \\
& \text { ched } 50 \text {. }
\end{aligned}
$$ there. The rest will be in stable and root house The cow stable will be on the east side, tails to

the east wall; box stall in the north-east corner; young cattle on west side, tails to the west; box stall north-west corner. I would like stable for calves in center, and root house. Please give
vour advice about stables, ctc. I am going to hive cement floors. Ans.-1, 1 would suggest, as the best means ventilating shafts, each two feet square, be constructed from the cellimg to three foet above the
peak of the roof. To insure their operating perfectly, they should be double-boarded, with an air space 11 or 2 inches), and one or two tar papers bet ween. These ventilating shafts may serv
for holes through which to let down hay of straw, if conveniently located. I door in the
ide at the floor level in the harn will permit of

Road Dust for Lice and Bugs.

## Alt "

 ocate" frients, who are frequently asking for remedies for cattle and hen lice, etc., to scrape up inter keep ay road dust this summer, and next or the hens, and sprinkle it over your cattle for few times during the winter, and mix it with Paris ercen and dust your potato bugs while the hour's wor' you did when nou havested of dust.
## THE FARM

Tiling Guards Against Both Wet and Drouth

Editor "The Farmer's Advocate" :
In this county the benefits of tile can be wet one. On a dry year the soil readily as on a so hard, and in cultivated crops, such as corn, ne can always reach the moist soil with cultiator, while the same land undrained will become nches deep dry the the soll will crack many open ditches we may have, or how well the fields have been water-furrowed," the soll becomes cry hard a pack with the have a "dead" appearance.
The benefit of tile is not fully appreciated, The soil in the Western Peninsula of Ontario. nd about the only failures are due to drouth or nd about the only failures are due to drouth or
xcessive wet, both of which conditions usually occur in the same season, and can be overcome y tile drainag
Frequently, as is the case this spring, heavy ains interfere with the seeding and spring plow-


Thrifty English Leicester Lambs



## THE FARMER'S ADVOCATE

great misfortune of an unthrity wife, cannot pre-
vent a good dairyman from succeeding, if he goes at it the right way, inforns himself, keeping his mind sharpened by close acquaintance sience and the advanced thought of his occupation. It depends
faculties by keen study of his occupation. The successful dairyman is a reading farmer, a thinking farmer, and a zealous practicer of the very
best he can learn. Would we had more of them.

## Instruct Cream Haulers.

## Dditor "The Farmer's Advocate":

 As we operate a summer creamery, the handcream separator has not had much effect in keep-
ing down the returns from our procuct. The price of creamery butter in summer is pretty
satisfactory to us, but there is reason in the argument that a farmer can more easily compete with a creamery in cold weather if he has a separator than he could without one; but in summer, compete with a creamery. We consider that sending the cream to a creamery has had a greater influence on the price of
butter than making butter at home has. It would butter than making butter at home has. It would
take three or four teams to cover the same take three or four teams to cover one same
ground for whole-milk gathering that one would cover for cream gathering. The labor in the creamery is decreased wh
separated at the creamery
separated at the creame
The cream-gathering
The cream-gathering system is the most eco-
nomical, gives the farmer a better chance to feed young pigs and calves, and turns out butter that gets a better demand in Canada than butter
made from milk separated and pasteurized at the creamery.
We do not see that any remedy is needed. The cost of buttermaking has been reduced, and the farmer is getting more proit out of his ceceent
It is a good all-round change for everybody excep the exporter and the creameryman who owns a plant fitted with a separator and pasteurizer.
The average farmer turns out a fair class cream, but with some of them there is room $f$ o improvement. The trouble is that some of them are not careful enough in cleaning the cows and having every thing clean where the milking is done.
This could be remedied to a great extent if the Government would appoint dairy inspectors to visit the farms to see that everything is in proper Another way to help the matter along would be for the Government to obtain the names of
the cream drawers and of patrons who send their cream direct to the creamery, and mail them
to printed matter. Not any "high-flown" readin $\underset{\substack{\text { a } \\ \text { a simple } \\ \text { matter, manner }}}{ }$
If creamerymen would have a few rules printed on the back their mon care of milk or cream an outline of the proper care of milk or cream,
it would make some improvement.

## Seeretary for Commission

The Ontario Milk Commission, comprising
Chairman Pyne, and Messrs. Dargavel, Nickle and Macdiarnia, met last weeh and selected W. I3 Roadhouse as secretary, Atrangements were
made for a most complete investigation into tha made for a inost conplete investigation into thi
whole question of mik supply The work wil
commence late in Junc. At Toronto, where all comimence late in June, at Toronto, where all
dairies will he visited.
Then the commissioners leading citices ncross the line where spmeial , rhoy somere milk.
Mr. Roadhouse also has recerived the appoint-


Milk Producers Fined

## POULTRY

## Broiler Raising

$\qquad$ not eggs have dropped a little, and the hens mal given, but don't neglect the growing stock, When large, stry is growing is the time to build ap ter and lay steadily. Feed your chicks properly Have you considered yet how you will dispose sanie old wayy, and receive the usual low prices? ney not sell them at an early age, and receiv protitunas or late in the fall ? If you do so the after. cockerels, vize, as broilers and roasters. In the States a large number of capons are sold eacl year, but in Canada the superior quality, of
capons has not been recognized and the price capons has not been recognized, and the prit
paid for them is the same as for cockerels, witl the exception, perhaps, of a few of the larger aties. Besides, capons require too much atter tion to be raised by the average farmer.
The choice is between the broiler and roaster and it will depend on the market which will be more profitable. The broiler must be sold at
first-class hotels first-class hotels or private residences of the
weal thy class, for the broiler is too costly to be weat by the second-class hotels or private boarding houses. Farmers who raise Leghorns will do well to sell them as broilerss in fact, it is the
only profitable method where ertorns are raised for the Leephorn makes a pood broiler, but as roaster or anything older is rather unprofitable The roaster, on the other hand, can be handle by either the above-named class of places, owing
to its being larrer
Where the demand is limited to roasters, as in a village or small town, the roaster must, of course, be raised. Farmers who cannot sell for high prices for
home consumption can ship to wholesale dealers home consumption can ship to wholesale dealers
in the cities and secure them. The prices paid
hy hy wholesale dealers are generally higher than for dised in dressing and preparing for market. For one reason, methods, we prefer the broilers, may be sold sooner, whicl
is is an advantage to the farmer, and the prices arn
always higher.
We believe the profits ertainly the bother is reduced. raising broilers-variety-housing-
It is somewhat dificult
variety among the three great American breedsthe Rhode ISland Reds. Wyandottes and Rocks
Each varietv has its points of merit and its dis qualifications. Of course there are favorite varic
ties, us in all other lines of the Perhaps the best breed is the Rhode Island Red
It is very hardy and will stand the forcing wedl and being a quick grower will give rapid returns and being a quick grower will give rapid returns
putting on flesh quickly. The next variet: preferable seems to be the Wyandotto, It is also
a quick pleasing appearance when properly dressed. Th.
Plymouth Rock is a nardv chick, maturink rapid ly, but has considerable pinfeathers, which ary
difficult to pluck at this age. The orpington is a Good bred, but its white skin and lests are all
objection arietiss make exvellent broilers. viving quick re flesh rapidly house which the cockerole are placed
 Sunshine in also, essent ial. and should he sepppluw
and
Diecord himuts for herpine necemum of the win

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Record hanks for keeping accomt of the mill



THE FARMER'S ADVOCATE

## Cover-crop Experiments

shop window of Ontario towns, will not wonder norant of the truth, or he has county a grievous that people turn to bananas and oranges so at do the growers of atarin that our winter apples in the orange business are pushing their trade and skill; but, after all, it is the apple that our people really prize for dessert and cooking pur-
poses-the Spy, the Blenheim, the poses-the Spy, the Blenheim, the Fameuse, the
Gravenstein, the Duchess, and many others that might be named, and they will pay the price for well-grown, sound and well-flavored fruit, as the
soaring quotations of the past winter and spring would indicate.
Strawberry and other small fruit prospects in
Essex are also good, and there is a large acreage Essex are also good, and there is a arge, already
of tomatoes, early cabbage, onions, etc., alr of tomatoes, early cabbar, while melons are being
growing in the open air, we
developed under cold frames. Stimulated by the developed under cold frames. Stimulated by the
promise of a strong demand this year, there is likely to be an unusually large acreage under tolikely to be an unusually la cold, wet weather delayed the production of plants. Planting of corn the great field cr
Southern Ontario Apples Again.
Editor "The Farmer's Advocate"
In your March 25 th issue 1 noticed an article on apple-growing in Southern don't care for what the writer himself says about the keeping quality of our apples, as I don't think fruit that can be grown here with the proper and management of orchards. .' The Farmer's
is that you, as the editor of is vocate," seem to endorse what he says. claim to be a practical man-if you are, and hav
been brought up in this Southern Ontario, can you, with a clear conscience, still claim that our winter varieties will not keep? Haven't you to know that they will keep, under ordinary stor age conditions ter wake up, and see what is being done by grow-
ers who give proper care and attention to their orchards In your April 29th issue you have an article grow winter varieties. What has he against the such a gross libel against them? I agree with him, that we can grow fall apples to perfectionwe can Spies, Kings. Baldwins. and other varieties of winter apples to
he doesn't seam to

Federal Legislation Touching Agriculture.

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 Branch, a number
be held during particularly suited to mutton-raising, and whre
the stock needs improving. The lRecord of to. formance work is rapidly extending, and bids fait to demand a large amount of attention and funds. 100 was voted to defray the expenses of a com-
mission to investigate the swine industry in Denmission to investigate the swine industry in Ien
mark and Ireland. This amount is of the lindings of the body to be sent over. An other special vote touching live stock was $\$ 1,000$ in Labrador. Last year $\$ 5,000$ was voted for this work, and with it an importation from Nor-
way was made. It is honed to estathish herds
of these animals in sections of the colongy to supply much-nceded food, clothing and labor to the
people. The vote for the Health of Animals Branch is
$\$ 250,000$. This is a slight reduction, due to the fact that compensation for animals destroyed is diseases as glanders and hog cholera are gradually
being stamped out. The rote for the administra-
tion of the Meat and Canned Foods Act is $\$ 110$, Son the worand dollars are placed at the dis posal of the Tobacco Division. Half of this is
for the general work of the division, and half to onduct located in Ontario and two Th Quebec ne oi these, situated at the Experimental Farm, will be ueed for the more technical investigations.
The most important station is in the County of assex. Herc the culture and curing of Burley ixperiments will be conducted in the use of ertilizers, rotation methods, dates of planting
The stations in Quebec will and harvesting. etc. The stations in Quebec will for that climate and soil. These include both a special vote oi $\$ 10.000$ was made towards the matintenance and expenses of Canadian repre-
sentation at the International Institute of Agri-

Artesian Wells.

 are many artwian wells around here, and most of
them keep the water at the same lasel all the and i hearll of one man who emphied the tile of
$\qquad$ mformation as to the success of a bored well fo
drainage purposes, we would diraw atcention to trict sonse of the term. The word "artesian " "France and an artesian well, in the strict ace epance of the term, slgnimes a spourea depth,
hored down to a point usually at a grat
where the water pressure. owing to the combormaion of the geological strata, is so kreat as to
 he strict and technical definition of the term. We
hink it is well to observe the distinction between

Transportation Tariff on Grain from Alberta.

mergerts state that the $\because$ : I'. Re. has compiled Ten through Vancouxer, for export to go ant Woiortionate tarill on grain and grain product. Mond not apply to the Inited States or Alaska ariff goes into elfect $\because 1$. $R$. stations in Al is anforced from and thens therta Railway and ation company, to Cancouver wharf.

111 the crop of this year will he handed on
yo It the crop of this year will the the time the
new rates, anci the commany. the the
is ready for shipment will have facilities Cancouver to handle the trallic.
he rates on the tarifl are export rates, and he rates on the tarifif are export rates, and shipments may he stopped in direct line of or at lancouver for harging at an addi-
wharge of 1 cent por hundred pounds. The
are named exclusion of switching charges. charge of cent for hundred pounds. The
wre named exclusive of witching charges,
elevators and wowhoms in vanenuser.

## The Brockville Holstein Sale.

The auctoon sale of Holstein cattle from the
I, ds of G. A. Gilroy, Glen IBuell, and Gordon
Manard, Manhard, Ont., held at Brockville, on Manard, Manhard, Ont., held at Brockville, on Way 25 th, proved a decided success, the attend10 the call of the clever auctioneer, Col. B. V.
Kelles, of Syracuse, N. Y. The cattle offered were If high-class character and lreeding, and the must be regarded as satisfactory io sensational, and buyer The hiohnest price sumoth schers

he whole forty-six, includingfor an average of $\$ 138.35$. The buyers, with one


Flowing Well, Plattsville, Ont.

Lime and Inoculation for Alfalfa experiment Station, impresses the importance of
ime and inoculation for alfalfa. In 103 tests
ind where inoculating soil from the station field was cont to farmers for use on their own fields, 66 noculated plots gave good crops. In 6.4 tests where lime was used, all but 6 plots showed im-
provement, and 27 plots were changed from fail. ure to success by liming. Where both inoculation and lime were used, 77 per cent. of the rops were successful, while less than 25 per cent.

South-west Ontario from a Car Window.
On May 27 th a hervy and general rain fell over Couth-western Ontario. In Essex and Kent this
was decidedly welcome as a crust-softening reresher on the spring grains, which had made a romising start. All along the Michigan Central nd winter-whent fields were looking remarkably just what was needed. A which had of the land or corn was working up ry lumpy, and the rain
as wanted in such cases was wanted in such cases
is a pulverizer, in connas a pulverizer, in con-
junction with the disk harrow and roller. These
heavy rains, however, onheavy rains, however, con-
linue to emphasize the Linue to emphasize the
need for underdraining need for underdraining surface drains, by means
oi cross furrows and cross furrows a n d
open ditches. Taken all ogether through South western Ontario, crop rospects, despite discour aging weather conditions
carlier, were last week exceedingly encouraging. Though pasture and neadow prospects were
to bright, it could not escape the notice of the most casual observer how
comparatively small and comparatively small and
scattering were the herds scattering were the herds
of cattle upon the grass lands, a fact which, no doubt, has some delt prices prevailing for

## Hallman's Holstein Sale.

(Hallman's Holstein Sale.


 Renotia 13., 1901 ; II. (\% Stephens, Philips Inka Sylva sth, 180) ; Ke J. Stuggin, (ilen Spechle Althekirk le kol, 1903; (i. If. Sher Rettande lisol Waldori, 1965; John stewart
hoda (ith, 1901: John Mckenzie, Willow-
May Belle Pauline, 1907 , I', J, Valley
Empress Wayne, 1907 ; J. W. White Brooke
hard whocis Ne. Fol Posch. 1907 ; John MeKen-
Dirkie Pel 3rd, 1907: James Truestale,
Dehorah 3 rd, 1907 G, Weath
Ceora (arace De Kol, 1906; W. C. Stephen
Jown Princess Pet 190t, John Mckenzie.
thel Blanche De Kol, 1900; (3. Death .....
Lily Iome Abbekirk, 1505 John Mckenzie 100

Tearl Tidy Abbekirk ; James Truesdale........ 100
iliverview Segis, 1908; J. W. White, Broohe $\$ 190$
Riveriew Hengerveld, 1908 : Wm. Thomson,
Delta ..............................................................
Alhert Calamity le Kol. 190 : ; Howar
Bissell, Brockville
Bulsself, Brock chill
Bull calf. $1908:$ N. Giiford, (ireen Bush....
Count Paul of Evergreen 1908: I).
ount Paul of Evergreen. 1908 : D). N. 40
Glasier Manhard

THE FARMER'S ADVOCATE

The Rat Problem The rat is believed to be the worst mammatian
pest known to man. Not only does it destroy property worth millions of is now known to be the principal agent in dis seminating bubonic plague. This is not a con tagious disease in the ordinary sense. The infec
tion is spread from rat to rat and from rat tion is spread from rat the rat flea man sole Thited States Department of Agricultur through its Biological Survey, has recently give the rat problem serious attention. The result of that work have appeared everal species of rats, but the common house or barn rat, the so-calle "Norway rat," is the most widesprs of ships far the most been carried to almost every part of the world, and wherever landed it has proceeded make itself at home
matic and other conditions. In North Americ it is found from Panama to the Yukon and to Greenland.

The rat's bill of fare includes almost thing eaten by man, and a considerable number instance, carrion, mice, kid gloves horses' hoofs.
Among the most common foods of rats ar
corn and other grain. If fed on grain alone, i corn and other grain. If fed on 60 cents' worth in a year, while of oatmeal, it will consume $\$ 1$ worth. If we suppose the number the number United States to be equal to the would cost
horses, cattle, sheep, and hogs, it wor
more than $\$ 100,000,000$ a year to board them on grain. the damage done by rats is not to be measured by what they eat. Through pollution of food products they do as much damage as by eating them. Besides, they do great damage digging under buildings and emubankments, by gnawing woodwork, by cutting holes in sacks, and
by cutting up goods and papers to make nests.
They kill young poultry and squabs. They steal by cutting up y poultry and squabs. They steal
They kill yey frequently destroy the nests of wild
egg. They eggs. They frequently destroy the nests of win in
birds. They have been known to gnaw holes in lead pipes, and they cause fires by gnawing the insulating covering from electric wires where they pass under the floors or inside partitions. They
also cause fires by carrying and gnawing matches.
Though a serious pest on farms, rats commit
heir greatest depredations in cities. An attempt
hair been made to secure from the business men
of Washington, D. C., estimates of the annua
osses due to rats and mice. The data secure
losses due to rats and inice.
indicate losses exceeding $\$ 200,000$.
ndicate losses exceeding $\$ 200,000$.
The rapidity with which rats multy is the
main reason why man appears to make so little
headway in their destruction, ane the intervals
birth to large litters of young, and
More than 20
between the litters are short. More than 24
young rats have been found in a single nest, an
it is safe to estimate the alculated that a single
pair of rats and their progeny, breeding withou
interruption and suffering no losses, would,
three vears, increase to more than $20,000,000$.
The author of this bulletin says hawks an
owls, especially the latter, destroy great number
of rats-a good work, which man should encou
age. Weasels, minks and skunks are also rat de
stroyers. He recommends the persistent. use
traps and poisons. But he thinks the most pron
ising lines of effort lie in (1) rat-proof constru
ising lines of effort lie in (1) rat proof construc
ion of buildings, esperially the use of concret
tion
foundations: and (2) reducing

Breeders of Trotting Horses Organize
til May 24th. While tillage operations have the results of this are not particularly serious, ceyond the congestrons.

## To Our Club-raisers.

There are thousands of farmers whe de not know what they are losing every year through not being subscribers to "The Farmer's Advocate and Home Magazine." Therefore, we wan all readers of " The Farmer's Advocate" to ac as club-raisers this year and send us larg lists of NEW SUBSCRIBERS.

If you send us two new names and $\$ 3.00$ to cover same (each new subscriber paying $\$ 1.50$ ) we will mark date on your paper forward one year as remuneration to you; or, for each single NEW NAME, accompanied by $\$ 1.50$, we will advace the date your address labol six months. Cash commissions or premiums, a preferred, for larger lists of new names.

In clubs of FOUR RENEWALS OR OVER, we will accept $\$ 1.25$ each

Premiums not included in club offers. Get
The Farmer's Advocate and Home Magazine into every household in your locality

June Excursions to O. A. C
Following is a list of the Farmers Constion

[^2] Monday, June
Tuesday, J
8
8 -Galt Collegiate Instituta and S. Waterloo. Wentworth.
Wednesday, June 9-S. Went W. Elgin.
Thursday, June 10-E. and W. Kent; W. Thursday June $10-\mathrm{E}$. and W. Kent; W. Elgin.
Friday, June $11-\mathrm{S}$, and W . Huron; Haldimand Saturday, June 12 Lincoln; Welland Tuesday, June 15-F. Flgin; N. (Grey; N. and Wruce: $N$. York
Wednesday, June $16-$ Halton. N . and S . Brant
Thursday, June $17-\mathrm{E}$. Huron; Friday, June 18-E. Middlesex ; N. Perth: S Simcoe. $19-$ N. Wentworth.
Saturday, June $21-\mathrm{N}$. Oxford: S. and (. Bruce; S Tuesdav, June $22-$ Wellington. and W. Victoria: Dufferin and I: Wellington; W. Wellington.
Wednesday, June $2: 3-5$. Ontario and W . Durham: Thursday, June 24 -S. Oxford; E. and II. I ambPriday, June $25-1 \%$ York: W. Simcon
Gaturday, June 26 Saturda
Monday
Tuccial

Huntingdon, Que., Notes.

Fire this reaches your readers, June will have ceached us, with tis gentle breves, wafting the clover hither and thither, until the atmesphere i ing. as wel! as delectable. That has swept ther ros dower, That has blown acrose the meatonn

Plum trees are in full bloom, and apple tree
are just commencing to come out, they gil
got aremise of having a profusion of bloom. In fact
promise
all iruits are blossoming out with much profurion many instances, there having been a shortage many instances, there section. Hay has come odder through thisething previously unheard in I11 this section.
The supply of milk at the creameries and chemries was ligher trass improves. The buke, theretore, of butter and cheese is lighter. This alIons, as the delivery of cheese and buticr in
lontreal has been about 20 per cent. behind
lomer years. Prices of cheese have reuminat high, but are now on the downward erade. 13uter is ruling pretty even.
Pork products are scarce and high. The numer of sows wintered was light, compared with
Therefore, young vigs are in good
ormers.
Tomand, and are selling at from $\$ 2.50$ to 53 IIII Large numbers of horses of all hinds have , been old, and more will go out as soon as seeding is
nished
Irafters have been ficked up at from ough to $\$ 225$ each, while something special
higher figures. (Irdinary work horses
 ociation is not increasing. Gur dairymen seem low to adopt a method whe whe Whell the Department of Agriculture is aiming to mount of milk and lat given. Nothing our dairymen can do will qive better returns than
veighing and testing the milk of the individual Two of our muncipalities are getting the stoneTwo of our muncipand anticipate macadamizing
rushers to work. and
several miles of road during the summer. Our ceveral miles of road during the summer.

Ottawa's New Grand Stand, 1909 Exhibition.
The new grand-stand, and the attractions to at this vear's 'entral Canada Fair, in Ottawa. Contracts have just been let, and the work is now
under way, the contractors being the General Con tracting Company, of Toronto. The cost will be about $\$ 80,000$, and a condition of the contrac is that the structur we one of the finest grand stands in the Dominion, having a seating capac ity for twelve thousand people. It will be abso lutely fireproof. Steel and reinforced concret the total length will be 170 fuet, and the depth [10.3 feet. The Exhilition Association is this spectacular periormance each night of the fair and the siege of Sebastopel will be put on, with all the realism of military display and pyrotechstand, there will he horse-racing, and a long list thest and most thrilling acts avalable. Howick
Hatl. which in the last three seasons has been Milized mainly as an auditorium for vaudeville motiormaness is haing turned into a process nanufacture form the raw to the finished article. tructure harned a replaces the large wooden

Alfalfa in Manitoba
 recently held in Toronto, for the purpose of
organizing an association and estathishing a pedi gree register under the National Live-stock Associa
tion of Canada. A committee was appointed to draft a constitution and bylaws, Which, at a subsequent meeting,

## Register

Backward Season in Niagara District

## ward spring, fruit prospects in the Nincura di <br> pears and cherriws have blossome nothough cortain aricties in some orthatres may not be armant

 me, and the ज्ञld will hayl fer now on conTHE FARMER'S ADVOCATE
 OF CAMADA


MARKETS.
Toronto.

## 



| freely, selling at 40 c . to 45 c . per $16 .$, on the st. Lawrence farmers' market: they brought 30c. to 35c. per 1 b . alive. $\qquad$ <br> Montreal. | PERIAL BAN OF CANADA CHARTERED 1875 |
| :---: | :---: |
| Live Stock.-Shipments of cattle from the port of Montreal, for the week end- | Capital Authorized, $\quad \$ 10,000,000.00$ $C^{2}, 000,000,00$ |
| E May 22 nd, amounted to $\$ 4,553$ hend, | Reserve, - - 5,000,000.00 |
| against 4,855 hend the previous we | vas |
| In the local market prices were generally |  |
|  |  |
| Some very choice steers sold at 6tc. per |  |
|  | Do- |
| to 5 fc.; good, 5 c . to 5 tc .; medium, 4 c | ada. |
| re was an excellent demand for |  |
| and lumbs, and the m | being 86.50 to 86.60 , and straight roll- |
| them. Prices held firm, being 6.fc. | at patents, |
| Fc. per 1b. for yearling sheep, and | to $86.50 ;$ seconds, 85.80 to 88.00, and stronis bakers, $\$ 5.60$ to |
| to $6 c$. for old sheep, while spring lat ranged from $\$ 4$ to $\$ 8$ each Calve | and strong bakers, 85.60 to $\$ 5.80$ per bol. in bags. |
|  | Hay.-The market advanced recently, |
| prices ruled steady at $\$ 2$ to $\$ 4$ each | d was very fair. Prices were $\$^{\text {P }}$ (13 |
| for poor quality, and | \$12.50 for extra No. 2; $\$ 10.50$ to $\$ 11$ |
| There were some poo | Yor No. $2 ; 89$ to nod 88 to $\$ 8.50$ |
| the market: prices for these ranging from |  |
| 8c. to 8\&c. per 1b.; the select qualities | late, and it is |
| selling up to 8ac. | continue until the middle to the suspension of opera |
| cars. The holiday | to the suspension of opera |
| that trade was not quite as active as | light, but favorable weathe a renewal of of activity |
| might otherwise have been. | firm, nt \$13 to \$14 per |
|  |  |
| to $\$ 300$. light draft, 1,400 to $1,500 \mathrm{lbs}$, | timothy, in bag lots. |
| $\$ 185$ to $\$ 240$ each; small animals, 1,000 | Hides.-The market showed very, litlle change last wcek, previous advances |
|  | being held, and demand continuing good. |
| \$100 each; and choice saddle and car- |  |
| riage animals, $\$ 300$ to $\$ 5$ | for beet hides, and 13.c. to 115 c . for calt; |
| demand for cured meats of | 10c. onch for lambs; \$8 each our shep. |
| There was a good demand for all the | was $2 \nmid c$. to 3 c. per 1 b ., and rendered. |
| firm. Fresh-killed, abattoir-dressed hogs |  |
| Sold at 120. to a rraction more siomo | presentative Cheese |
| held firm; changes | Board Prices. |
| seemed to be in an upward direction | Woodstock, Ont., 12c.: Madoc, Ont.: |
|  | (12c.c. Tweed, Ont., 11.c. bid, no sales; |
| quality; Green Mountains bringing the |  |
|  | to 12c, Kingston, Ont., 114c. to |
|  |  |
| ${ }^{\text {figures. }}$ Reag lots brought |  |
|  |  |
| , | 218 |
|  | ${ }_{\text {ruli }}$ |
| here ent about stock; selects being ben |  |
|  |  |
|  |  |
| Joghnume to reat in what |  |
| have stiffened up so paid up to 22 c . at cou |  |
|  | Chicago. |
| 俍 |  |
| though some asked more; while for last week's receipts it will be necessary to |  |
| yet 22 ze. wholesale, and 23 e. for smaller | Western sters, 84.75 to 8 \% |
| lots. There was a little demand for ex- | heifers, \$2.60 to \$8.50) calves, \$5.25 to |
| goods is never considered extra | Hogs |
|  | 5 10 87 45; heavy, 87 to 87.45; |
| actually closed. 0 |  |
| this demand, prices stifife | \$0.80, oul |
|  | P and |
| er. |  |
| d (ontarios, at 128c. to 129 d | ern. 86.50 to 87.50 |
|  |  |
| ifc. io 11ke. | Buffalo |
|  |  |
| Ket for onts continues to advance is ${ }^{\text {a }}$ | leavy, 87 |
|  |  |
|  | 80.75; daries, 87.40 to |
|  | Sheep and I.ambs,-Lambs, 84.50 |
| ley was |  |
| fa |  |
| $70$ | London cables 134 c per 1 h . for Cans |
|  |  |
|  |  |




The Vanguar
 Needed.
Construction goos of one interest in the thama Canal.
the Eig
De Lesse
creanses.
People, Books and Doings. creases
apace,
-

frotection of the "Iorkmen, an inds- such "sociels

count of The Married Man-
$\qquad$

THE FARMER'S ADVOCATE
The Woman on the Farm $\qquad$
$\qquad$

not too many. fivery boy and gir
on arriving at the age oi twelve
chould be provided a way o oarn

 harm. it would ine far better if
 as to the sumernes we weighed in
 ant or thowent should warry with



Hope's Quiet Hour
Power with God.

Power with God




When the Cows Come Home.

aidd "I will not let thee go, "xcept less me"; so he won the hlessing

$\qquad$
$\qquad$
$\qquad$
$\qquad$

$$
\begin{aligned}
& \text { he great seret } \\
& \text { rise is determinat an }
\end{aligned}
$$


akis you atmost but the very strug-
Heated you hardly. bour upward climb, you
te is a hel, in your
in rise hipher hecause of your burden-
you are fighting with the determinaon are tighting whe the determina-
on on who has power with God.
I the . Bullat of the Angel. a man sees
armed vision cloaked in light. the
 ". This "angel of his strength", Thy kreat whows he hal broken his heart


Then fell upon his knee.
Ah, armed vision cloaked in light,
Why do you honor nur"
'The angel of your strength an
'The angel of your strength am
Who was your sin,' quoth she,
For that you slew me long ago,
Find
My hands have raised you high;
For that you closed my eyes-my eyes
Are lights to lead you by,
And 'tis my touch shall swing the gates
of Heaven when you dia
Just before I began to write to-day,
nicked up "The survey" for May 15th,
(und found in the onening editorial the and found in the opening editorial the
statement that true philanthropists of the sintement that true philanthropists of the
present duy have a very strong desire
and ane real reche achieve real benefits.... to con
terve not only life, but heaith and vigor
ser to make men stronger rather than more
tomfortabie." if up-to-date social work-
tor ers condemn the short-sighted salving over of deep-rooted sores (which relieves
present distress only to make the trouble wresent distress only to make the trouble
worse in the future) ns sentimental and unscientific "charity" - so - called - why should we expect (God to work in surfac
fashion? (ashion ?
Difficulties, failures, even sins are capable of giving us more and more powerif they are fought and conquered. As for the darkness of "Religious Doubt,"
we cun kather strength and peace if we o not submit to its misery, but struggle hrough it to the light. If you have never known the darkness of doubt, then
vour faith has not yet proved its power. your faith has not yet proved its power.
Fiven the son of God passed through the Whackness of great darkness, feeling Himself forsaken on the Cross, yet He still
cried "My (God, My God"." Pray on, cried "My (aod, My God Mray on,
as He did, and you will surely have power with (iod, finding that He always-yes,
ilivays-answers the true and earnest ALWAYS-answers the true and earnest
lirayers of His loving and obedient chil-
dren in the way that is wisest and best prayers
dren in
for them
Noble souls, through dust and heat, Rise from disaster and defeat
The stronger ; And conscious still of the divine
Within them, lie on earth supine

DORA FARNCOMB
For "An Anxious Mother"
 may help, to cheer someone else. L . F. R."

Rest. Rest! How sweet the sound ! It is
Meloty to my ears. It lies as a reviving
curdial at my heart. and from thence wurdial at my heart. and from thenc
$\qquad$
$\qquad$
$\qquad$
$\qquad$ Giod when my perfeet soul and body
shall tozether perfectly enioy the most shat together perfectly enioy the most
verfect Godi when Gerd, Who is Love it-
s.rlf, shall perfectly

 We trust the writers of the follow
will pardon the long deley in publishin
which has been of necessity Whither Are We Going
Editor
The
and no
andies th
reverse
or rece
and ph
ports
are los
regard
istic
centur
strivi
The wise mariner will examine his chart
nd note whereto he is drifting. If he
pies the rocks ehead he dit
spies the rocks ahead, he will shorten sail or
reverse his engine. Are we eoing forward
verse his engine. Are we going forward
receding Are we improving morally
r receding? Are we improving morally
nd physically? If the newspaper re
orts are true, we must admit that we
elosing ground. Do we have that high
ic of the people of Canada in the last
in
ne
Criving to get through the world by
gonest labor? Have some of them not
Offer them work and you offend them.
They are not satisfied to tread the and "The Scarlet Letter,", while they be terested in literature and fine arts,
neighbor's goods. Their ambition is then
become a bank manager, and, perhaps,
run off with the funds.
run off with the funds. The poor are
sorely tempted, and should not be too
harshly judged, but we can find crooked
ness in high places. . Some directors of
stock companies and banks misappropri-
ate the funds. What is the cause? We
ate the funds. What is the cause ? We
live in a world of fashions and gaiety;
no
no wonder we are broken-down, nervous
creatures, and shortening the allotted
creatures, and shortening the allotted
span of life
span of lif
both ends.
God gives us each but one short day,
time that we call
the time that we call life, to waste or
strife. If we would learn from nature,
we would find that she provides for all
our physical wants. We admire the
ponderous shoulders and muscular arm of
the country blacksmith; nature has pre-
the country blacksmith; nature has pre-
pared him for the work he has to do.
We sometimes smile at grandfather in-
We sometimes smile at grandfather in-
troducing the bucksaw as a cure for dys-
pepsia, but it does the trick all right.
pepsia, but it does the trick all right.
Science has done wonderful work in sup-
plying labor-saving machinery on the
Science has done wonderful work in sup-
plying labor-saving machinery on the
farm and in the
farm and in the shop the world over, but
has that improved our physical condition?
has that improved our physical condition?
Are we stronger men than our fore-
fathers were? Take, for instance, the
son Square Garden, New York. That
Shrubb, apparently. knew all the tricks of
Shrubb, apparently. knew all the trichs or
the trade. On the other hand. we had
an untutored Indian, nature's son of the
an untutored Indian, nature's son of the
forest. Now, according to all rule,
Shrubb should have gained the victory,
and I believe he would have won the race
if the Indian had
if the Indian had not been camping on
his trail.
But what lesson can we learn from this
race? I think it is this When we
Want anything good, we must get down
near to Nature's heart for the material
When we call to mind such lustrous
nhen we call to mind such lustruse
names as those of Washington. Lincoln.
Edison Marcon
Edison, Marconi, men who have climbed
the ladder of fame from the ground up-
boys be slow about leaving the old farm
Take a walk out through the old orchard
in the morning. and imhale the invigor
ating air, laden with the scent of the
blossom. No sign to keep on the gras,
here. You may roll on the greenswar
to your heart's content
here. Yo may roll on the greensward
to your haerts content, and listen to the
hum of the busy thens ns the
hum of the busy beess as they go to and
tro guthering their winters store of de-
licious honey No strike here. Niture

peace
own
yoursell
youn
yourself. Compare this scene to the
bustle and


Some day the wand mane nands.
$\qquad$
$\qquad$


IF your baking goes wrong, investigate - find the cause. Look to your stove, your yeast, your baking methods.

If you succeed in pinning the trouble down to the flour-then take up the flour question in dead earnest.

Consider that flour, to be successful from a baking standpoint, must be fine to produce light bread or pastry, pure to make that bread or pastry wholesome, and rich in nutriment to make it nourishing.

Ogilvie's Royal Household


has these three qualities in the greatest degree.

Ogilvie's Royal Household is milled by the most modern methods, and made only from Manitoba Hard Wheat which contains the highest percentage of nutriment.

Royal Household Flour never disappoints.
Ogilvie Flour Mills Co., Limiled, Montreal.


Please Mention The Farmer's Advocato

## The Ingle Nook

The Ingle NOOK

The Golden Dog (Le Chien D'Or.)
Canadlan Historical Romance.
Copyright, 1897, by L. C. Page of Co. (Inc.)


CHAPTER XVIII.-Continued "No, Angelique has not gone to
Belmont," replied he, quite piqued. She very properly declined to ningle with the Messieurs and Mes-
dames Jourdains who consort with dames Jourdains who consort with
the Bourgeois Philibert! She was the Bourgeois philibert and the city really seems all the gayer by the absence of so many commonplace
people as have gone out to Belmoople,
mont. Louise de Brouague's eyes gave a


Old Ursuline Convent.
(hevalier ! That was naughtily said of you about the good Bour
geois and his friends,"
exclaimed A writer in Harper's Bazaar gives the
following ."easy" method of washing geois and his friends, exclaimed
she, impetuously. "Why, the Gov-
 borax; boil in 2 gals. soft water until nelce, Hortense, and Claude de Beaudissolved. Pour into a large tub, fill
woothids full of cold rain water, put in harnais, and I know not how many
wree singlo blankets, and let soak over- more of the very elite of society havy

THE FARMER'S ADVOCATE.


WILSON'S FLY PADS
Tan, Freckles,

 COMPLEXION PURIFIER
 hiscoti dermatological institute el. M. 83161 College St.. Toronto. Est.

You cannot possibly ha
EPPS'S
A delicious driuk and a sustaining food. Fragrant, nutritious and maintains the system in robust health, and enables it to resist winter's extreme cold.


HAVE YOU EVER REALIZED THE RESULTS OF "ADVOCATE" ADS ?


View from Parliament Buildings, Quebec, 1908, showing the wall


Nut Milk Chocolate
A chocolate confection of rich milk chocolate and fresh shelled walnuts. Simply exquisite. In $1 / 4$ and $/ 2$ pound cakes.
The Cowan Co. Limited

EUREKA
Glass Tank Sprayer


WINDMILLS
YWARD WINDMILL
LONDON, CANADA.
Less Friction Windmill




## Profitable Machinery for Farm Use.



NATIONAL
profit and last GII SON GASOLNE ENGINES factory power to run all kinds of machinery from churns to threshing wach

cheap. | $\begin{array}{c}\text { ASPINWALL } \\ \text { SORTERS. }\end{array}$ |
| :--- | STEITZ STEITZ POTATO DIGGERS. New style. asy draft. Do reliable work.

REUTHER POTATO DIGER. Very highly recommended.
The above machinery are all guaranteed to us and our customers by the manufacturers.
Your orders solicited. Ask for prices and The T. C. Rogers Co., Guelph, Ont wholesale agents.

## JAMES I. DAVIDSON, BALSAM, ONT.,

Thursday, the First of July, 1909,

## SHORTHORN HERD




 ROBERT MILLER, STOUFFVILLE, ONTARIO,

[^3]


And Have Fire Protection and City Conveniences Without City Taxes


Enjoy real comfort right where you are. Don't move to the city for city conveniences. Let the conveniences move to you. You can have water piped all over your house, barn and yard at a much smaller cost than if you lived in the city.

## Peerless Water Supply System

Our system takes water right from your own well, creek or spring, filters and purifies it and brings it through your pipes with a force far greater than any city supply system ever could carry it to the individual property owner. It
is as far superior to the elevated tank system as your upis as far superior to the eldate harvester is to the old-time cradle. It cannot overflow, leak, freeze or fall over. It's built right and stays right.

Just think of having hot and cold water right where you want it and when you want it by merely turning a faucet. Just think of the time, trouble and money a perfect water time. And then let us tell you without charging you one time. And then let us the information, just how easily you can install our system without employing any outside help whatever.

The Peerless System consists of a pneumatic tank set in your cellar or buried in the ground and a pump to bring the water to the tank. The water is delivered unden, yard and barn-in fact, wherever you want it. And there's always a ready supply on hand.

In addition to the conveniences which the Peerless System affords, it gives you fire protection and reduces insurance rates. This latter saving alone has in some cases paid for the entire system within two years.

## Easy to Install and Easy to Operate

You don't have to be experienced in order to install our Peerless System. There's nothing complicated about it, and our instructions are so simple and thorough that you can't make a mistake. Our whole engineering department is at your service, and you'll not have to pay a cent for any help that we give you
A little ten-year-old boy or girl can operate a Peerless System when it's once installed. It only requires about five minutes' attention each day. Think how much more time you put on your cistern pump and how much less satisfaction you get from it.

## Your Money Back if Not Satisfied

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| POULTRY |
| :--- |
| COEAGS |
| CON |


 1








## AUCTION SALE!



GOSSIP. herd of A. O. Auten, Jerseyville ill the May 19 th , 7 t head were sold for an
average of 815 .
Omitting hall a dozen average of so dicective animals, the ever-
blemished or diter
age was sib. The highest price for a
 Wonder, and the highest for a bull ${ }^{8 / 255}$
for Loretta D's Champion © On the day previous G. G. Council, of Vandalia, III.,
sold 95 head of Jerseys at an average sold 85 head of Jerseys at an average
of $\$ 285$, incluging five bulls over $a$ year
seog old which brought an average of $\$ 599$,
The top price was 81,200 for the tour
The
 the highest price for a cow was sson
tor the six-year-old Jolly Lady of Beech"ood.
A man who called at a restaurant for
retreshment, ordered, among other things on the menu card, honey, and finding

hair in the dish he asked the walter to take away he hring him some ice | cream. |
| :---: |
| he ask | bring ${ }^{\text {h }}$

to his
he called the attention of the proprictor
to this sin
and asked the gentlenaun houincidences
account
he the
hair in
hi

in the a
all the
The horse is coming to his oun. fine carriage and the inark horse, the roit increased demand. One has only to lo look
overer the sunday editions of the tond chat calles to know that the hory The pictures popvular than eve that filled the illus rated serctions lar
year have giver wiy 10 pictures of in


urned to the horse, and are altready sa



302 YONGE STREET, TORONTO, ONT.

and hydesala Horsen Astocintion
Canada, held at he king varard hote
ast week, it was unnounced ,y, Rolter


Imported Clydessale Mares $\stackrel{\text { a Fillies }}{ }$
Friday, June 11th, 1909,

ALEX. F. MCNIVEN, ST. THOMAS, ONT.

| FOR SAVAG ERIFLE <br> SMOKELESSS SOFT POINT <br> DOMINION <br> HEADQUARTERS FOR SPORTING GOODS. <br> WARREN ELLIS, <br> 302 YONGE STREET, TORONTO, ONT. | $s$ sorts |
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|  | $10$ |
|  | Send for Our Catalogue FREE. |





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Twine for the barvest of 1909, be sure to inquire for
THE FOUR (4) MAPLE LEAF BRANDS


GILT EDGE, 650 rt . Pure Manila; and
thos ewo prefer this class of wine will find it all
hat its name signifies and thousands of farmers

 even, long and strong.
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TTine suceeds where others fall; zaves labor,
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 You take no chances whatever with
any of the above brands. Our guarantee any of the above brands. Our guarantee
we invite a comparison of our High-grade stands back of every ball, and we invite a comparison of oth appearance,
Twines with ordinary Twines. Note the bright, clean, smooth the unusual length and strength, and the extra value in our Twie bales.
Each a good strong sack containing no paper or other ballast, and tied with a good rope laid lashing. $\begin{aligned} & \text { If there is no agency for our Twines in your locality, advise us promptly, }\end{aligned}$

The Brantford Cordage Co., Limited, Brantford, Can.


For Drain Tile, Red and White Building Brick
AND CEMENT CHIMNEYS, WRITE
R. J. DOTLE, OWEN SOUND, ONTARIO.

Sulscribe for The Farmer's Advocate
of yellow berry, The crop of 1907 trom
these groups showed in general that the
averages of the amount of yellow berry for each had the same relative position that they occupied in 1906 . The mini-
mum range of yollow berry in the variomum range of yollow berry in the vario
ties lay in those groups of 1907 that came from the minimum groups of 1906 .
che Although the varitites 1 low in yellow
berry had progeny in 1907 which averberry haid per cent. higher than the averaged 12.25 per cent.
age ot the corspondin parental groups
for 1906 , on the other hand the varioties for 1906 , on the other hand the varieties
high in yellow berry had progeny which averaged 27.41 per cent. lower than che average of the corresponding parental
averags for 1906 . It was further found
oround that the progeny from selected hard kernels from eight apparently pure varieties
planted in 1900 were much heavier than those from sort groins, and that as a

rule the yields from the heavy, hard grains, were greater than those Irom the | grains, were |
| :--- |
| sorter kernels. |
| gre | The degree of inheritance of yellow

berry in pure-bred or pedigree wheats is discussed, and the results secured in work
alons that line are reported. In the Arst
 1907, a little over one third produced no
yellow berry at ant, and the average of
 sclections of spikes from the common
ocmercial varieties, ans weal as in the
selections of hard and sott grains from selections of hard and sott grains rom
these varieties. there were no cases what-
ever where the offspring were free trom yellow berry. The onverages ore the low-
est troups in the case of the com est groups in the case of the common
commercial varioties and of the selected
and commercial varieties and or the selected-
hard and sort grains riom the commer-
cial varieties were 36.95 and 15.40 per cent., respectively.
It appears in geral from the results It appears in general from the results
that with the percentage incrase of yel-
low berry in the parents, a mean perLow berry in the parents, a mean per-
centage mincrease of yellow berry in the orfspring
sidered as as very ovident that the podigree sidered as every evident that the podigree
culture method, so far as the elimination
of the yellow berry is concernad, is culture methon, so berry is concerned, is
of the yollow
ouperior to the other methods tried. The
 ents all contained yellow berry, but there
were 61 coses (46 per cent.). In which the
whe vercentage ranged trom 1 to 25 . The
progeny of these in 1907 showed a mean progeny or of yellow berry of nearly 37 .
percenamgo
but among the pedigree cultures there were but among te peigree culures here wero
38 or 36 per cent. which as parents fell
into the
to 25 per cent. class, but into the 1 to 25 per cent. class, but
bhich hin 1907 showe a mean perentage
of yellow berry of only 7 .9.
The minior yellow berry of ony 7.9 . The mini-
mum or zero class of oprents gave rise
also to the minimum class of the orialso to the minimum class of the orf-
spring in the case of the peailgree wheats.
A. Kennedy \& Son. Vernon, Ont., state
that they have had en unusually good demand for Ayrshire cattle this year, the
best trade they have hat in twenty yearad best trade they have had in wwenty yentrs
Among then recent sales was nine head
of cows and hellers to s. c . Clark, of Calgary: two cows to Captain Minkie,
Winnipeg; one bull to Kenneth McRea,


 Ing came through the winter nicely, and
they have the best
ot ot hrealing lemales
on hand they have evere had


## Cream Separators

Certainly Study Them All, and Then Come Back to the MAGNET.


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Winnipeg, Man: St. John, N. B; Regina, Sask,: Vancouver, B. C.; Calgary. Alta.


## QUESTIONS AND ANSWER

 Miscellaneous.

REGISTERING CROSS - BREDS 1 would like to know if the produce of
registered clydesdale mares by a registered Shire stallion can lie registered?
VAlamicil? Ans.-There is no register in cranada or
elsewhere that we know of. in which the
produce of the cross mentioned is now accepted for registry. DISINFECTANT FOR HOGPEN.
What is a good disinfectant for use in a pigpen?
Ans.-Thorough whitewashing at least
ance once a year, and preferably spring and
fall, is adisable. In addition, the feed-
int floors and pens, should be sprayed oc-
 Kil. Thorough ventilation, and plenty of
vimlight, also, are cuspmtial in giving CEMENT CELLAR FLOOR. What is the proper way to lay a cement
W. S. Ans.-In laying a cement floor in a cel-
lar. it is not necessary to make a bottom IIf six or eight inches of coarse gravel
or broken stone, if the foundation wall
has roken age. All that is wanted is a well-packed
botiom. The thickness and proportion
of the concrete will depend on the use to
ond general use, the common practice is to
put in a threeinch layer composed of one
of cement to four of shar, corse sand
 ta


Veterinary.
Mare has somethingis. throat. She somothing wrong with her
to blow something out coughs and tries
Wher soter To blow something out of her nose
When drinking, the water gets into her
hose nose and bothers her. There is a dis-
charge from her nostrils.
E. T. T. Ans.-Get a liniment made of three
parts each of raw linseed oil and one part liquor ammonia fortier. Rub the
throatt twice daily with this for three
days. In the meantime days. In the meantime keep throat
wrapped with flaneel. Take six ounces
chlorate of potassium and 1 .
$\qquad$
$\qquad$

GOSSIP
$\qquad$
ensement




$\underset{\text { stock. yards }}{\text { union }}$ Horse Exchange Greatent Wholeanic and Retail Horre



Quarter-mile epen tr
|rade a speclatty

Clydesdales and French coachers

R. NESS \& SON, HOWICK, QUEBEC.

NEW CLYDESDALE IMPORTATION.

 Price fight and terms to suit MARSHAM, ONT.









IMPORTED CLYDESDALES

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 For a prize- Clydesdale. Hackney or French Coach Stallion HeNRY Mrite me. I have generally something choice on hand
M. Clydesdales and Hackneys




QUESTIONS AND ANSWERS Miscellaneous
CORN FOR SHEAF FEEDING






$\qquad$

$\qquad$
$\qquad$


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money refunded, nan gbone or any Spanino Son, ${ }^{7}$ and , Yorkhirre Road, Loidon, E, C.
\$1.00. Canadian agenta :

ANCHYLOS
e Spavin and Ringbone I believe there is not a case of bone spavin in Can-
ada that Anchylos wont cure.
 dollara if If fail to cure
Read what Mr. Knich says:




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DUNCAN MEEACMRAN, F.R.C.V. ©., D. V. s.
Importer and breeder of
bigb-class pure-bred CLYDESDALES. Farmers or ranchmen, itarting breeding Clydee.
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and matched pairs i all aqust in ioroughly
broken to harness and reliable in every way E. DYMENT, Copetown P.O. and Sta. THE "MAPLES" HEREFORDS
 N
etter. Prices right. Orantevilie Po. and st HEREFORD BULLS! ee high-class young pure-bred herford
for sale at reasonable fifures. Adress:
LINDSAY, LIMEHOUSE, ONTARIO


SHORTHORN BULLS


 Belmar Parc. $\quad \begin{aligned} & \text { calf to these bulls. An unsurpassed lot of yearling heifers. } \\ & \text { John Douglan, Manager. } \\ & \text { PEIER WHITE, Pembroke, Ont. }\end{aligned}$
QATEMISHORTHORNS
 A few young bulis and choice, at anpting pr.Choice Scotch Shorthorns


## QUESTIONS AND ANSWERS Miscellaneous. <br> TILE MANUFACTURERS. <br> Can you give me the names and ad dresses of firms-preferably in Eastern Ontario-who manufacture land tile for drainage purposes? So far as I know, <br> none are manufactured in Quebec. Why do

do not the makers advertise in "The
Farmer's Advocate"?
C. S. M.
Quebec.
Ans. - We agree with our correspondent Ans. - We agree with our correspondent
that the tile manufacturers could profit
by using these columns for advertising

## purposes. $\quad$ REMOVAL OF STONES.

 A has a lot of stones on his side ofline fence between $A$ and $B$. $B$ also has a lot of stones on his side of fence. The fence is an old patent, straight-rail fence,
five rails high. with one stake driven in five rails high, with one stake driven in
straight, and two across, and is sunken down past repair. A wishes to put up a wire fence in its place, as this part is
A's share of fence, A wishes the stones sem share of fence, A wishes the stones
removed from the fence bottom. Can A compel B to remove the stones from Br
side of fence? There are a lot of large
The stones that will be necessary to be re
moved before the wire fence can be put Ans - We do not see that he can CALF WITH COUGH Calf, three months of age, suffers from after feeding. He is fed milk, diluted with water, containing a porridge or
shorts and oil cake, which he drinks very shorts and oll cake, way give hay, dry
greedily. He is also given hat greanly. He chop and water. He ha been in this condition for six weeks, and
although somewhat dry in the hair, app pears bright and active. Is there any it is advisable to try to raise him,
treatment would yoll recommend. Ans.-- It would require examination by
a competent veterinarian, and probably
tuberculin test, to ascertain whether ntberculin test, to ascertain whether oo
not the calis lungs are affected. The cough might be due to something havinh
become lodged in the throat. Again, th
fact that your calf drinks greedily may shortness of of treath.
inive him the milk
in a wide, shallow
vessel, so that he in a wire, it so greedily. Cases are
can't drink it
known where a constriction of the gulle resulted in such symptoms. He 1 How
being provided with suitable food. Keep
him in a well-ventilated place. 1'erhap right. PAYING FOR BRIDGE.
Last summer the (:overnment bui uridge accoss the river in this township
A civil engineer had selected the site few years previous. No hy-law has been
passed by the council in this matter, nor as there been any meeting of the rate
ayers called to arprove of the selection payers cated
he location of the bridge is very sui
bble for the party who had sent the pet ion asking for this bridge, but not a
11 to the majority of the ratepayers
this townshi, who sent another petitio o have the bridge built at a more con-
ane mace. The bridge being finished Nere remained at one side an appproach on the other side. The varty in favo
of the bridge have completed the work As the majority of the ratepaye
re against the bridge. the council doo
want to bave anything to do wit Want to have any hing to do wi
Acording to Act 751 , Mun. Cod
bridge buill ly the trovincial Gover the local municipality, in the sam
anner as all other roads and hridges

## CONSTIPATION

IRREGULARITY
OF THE BOWELS
 1

MILBURN'S
LAXA = LIVER PILLS
Fork on tho bowill gontly and naturally
 oorerad in of constipation.
Mra. James King, Cornwall, Ont., writos "I was troubled with sicik hoedaches, con etipation and catarrh of the stomach. I I gould got nothing of Milburn's Laxa-Liver Pilla. They did me more good than anything elise
I orer uried. I have no headaches or conI ever uried. ${ }^{\text {antipation, and the oatarrh of the stomaoh }}$ in ontirely gono. I feel like a new woman, thanke to Milburn's Laxa-Liver Pill. unod in all about half a dozen viala, Prios 25 oonte vial, 5 for 81.00 , at all
doalers or mailed direot by The T. Milbura Co., Limitod, Toronto, Ont


CALVES FEED CREAM ELULVELENT condition. Prevents scouring and other
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 HAWTHORN HERD Shorthorns

THE FARMER
Facts About New South Wales.

7 Imported Scotch Shorthorn Bulls 7



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| SHORTHORNS <br> JOHiN CLANCY. <br> H. Carsili \& Son, Carsill, Ont |  |
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|  |  |

Shorthorn Cattle A. Edward Meyer, and LINCOLN SHEEP.
Females of all ages for sale of the thick-Eeened, low-
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J. T. GIBSON, DENFIELD, ONT. P. O. Box 378, Guelph, Ontario Breeds scotch shorthorns Exelusively Twelve of the moost noted Sootch tribes heve repre-
nentaive in my herd. Herd bulle: Scotion Hero


 LLoraditanae thembone. JOHN DRYDEN \& SON. ERookLIM. ON
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Good Young Bulls at very reasonable prices in order to clear alion 2 VERY offering We can sell some extra well bred cows and heiters (bred or with calves at foot) at prices orich should interest intending purchasers. Our farms are quite close to Burlington Jct., G.
Long-distance telephone. W. G. Pettit \& Sons, Freeman, Ontario.
Imported Bull!| SHORTHORNS


5
 cheap to make room in stables.
CLYESDALES Ona pair of bay mareer and
draft and two spring colts.
JAMIRS MCARTHUR, Goblea, Ontario
WHY NOT BUY A HIGH-CLASS SCOTCH SHORTHORN COW, Or a Helfer, Or a Bull, Or a Few Shropshire Ewes, or a
Ewes, Now, While You Can Buy Them Low?

Ewes, NOW, While You Can Buy Them Low?
ROBERT MILLER, BTOUFFVILLE. ONT
SPRING VALLEY SHORTHORNS Greengill Shorthorins One 14 months' old imported bull, bred by A.M.M.
Gordo. Good enough to head any herd. Five
Candian


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 n. Mitchell \& Sons, Nelson P. O., Ont.

VALLEY HOME SHORTHORNS AND BERKSHIRES Por sale. 6 grand young bulls from ten to eighteen months old, young cows with
calves at foot, and ten one and two-year-old hefiere. All our own breedng. Som


ARE YOU IN WANT OF A CHOICE BULL YO HEAD We are offering choice bull calves sired by Fou--
tain's Boyle, who won first prize 1 Toronto. London
 D. DUNCAN, DON, ONT.

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 prices and description. Station on the place | MLE EM. M. HALEY. Springford, Ont. |
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large records. Sows fit to mate, also young Cenomestiend holsteins
 Bee zitror and out of Advanced



DNAT - Eod from five months toon
 sie the higg
haist milk. his bidding ve, maister.", replieel the mad. I I gied

The strength of a child
It is surprising to find how few qualities of good oatmeal. Most o them think of it as a food for the sturdy and brawny man, and overlook its value as a food for children. Every now and then a mother will take t ecang ner children on Quaker Oats I he tells her friends nger. for themselves, but every mother in the ountry should see that her childre re strong and vigorous. Plenty of Quaker Oats, eaten often, will do it. age and the large family size, which is fore convenient for those who do not ive in town. The large package con ains a piece of handsome china for the table. Making Quaker Oats ayy: cat Quaker Oa

THE FARMER'S ADVOCATE

QUESTIONS AND ANSWERS Miscellaneous.
R. N.-W. MOUNTED POLICE To whom should I write to get enlisted
Royal Northwest Mounted Police ten about the R. N.-W. M. I., and who publishes them. SUBSCRIBEER'S Son.
Ans.-Write to Comptroller Fred. White, C.M. G., Ottawa, Ont., for particulars. Mounted Police, A. B. Perry, Regina, is Regina, Supply Otficer. We have no books in mind dealing with the mounted iterature, and names of books, also for
PASTURING SPRAYED ORMay an orchard he pastured without njury to the stock, after having been
sprayed with lime and sulphur and arse nate of lead
Ans.-In

## Wash and lead arsenate, there will b considerable material fall back on th con

 grass, and I would be afracid to allowtock to pasture on that immediately after spraying. If the grass was very
short, and fresh grass allowed to grow
before the cattle were allowed to come n, I do not think there would be any

harm whatever. The lead arsenate add | heres to the leaf for a long time, so tha |
| :--- |
| think it $\begin{array}{l}\text { would be unsafe to pastur }\end{array}$ | cattle for some time atter spraying.

R. HARCOU
Ontario Agricultural College. Probably vertigo. Have had two hens lately that seemed
to lose the power to pick up food. They
would aim to get it. hut would land very wide of the mark. Would hold head
sideways and would finally get it twisted
clear around before they died. What is clear around belore they died. S. L. J.
cause and cure ?
Ans,-Symptoms point the vertigo, ot

## congestion of the brain, which is some times caused ty worms. Fright, or or shary blow

 pentune This of water. Give on emp likely dislodge wor
crops. This
n the intestines, if there be any Oow the feding of the turpentine-soake
corn by giving each fow t itwo or thre cours arterwards) a large teaspoonful out if necessary, repeat the toil able, there is ittle pirofit
in toctoring
lowls with this ailment. Indeed, the ame may be said of several other ail
ments. When poultry - keering is bette
 NEUROTOMY-COUCH GRASS ALONG FENCE
eneral-purpose mare that has an inchit
some couch grass is krowing betwa
$\qquad$
$\qquad$


$\qquad$ LAKEVIEW HOLSTEINS $\begin{gathered}\text { We have for sale } 4 \text { young bulls ready for } \\ \text { service. 2of them bo Brightes Canary, whose }\end{gathered}$ Cos

 W. CLEMONS. $\begin{array}{lll}\text { ST. GEORGE. ONT }\end{array}$ Sunny Hill Farm for sale at present. toss one dolar per setting. DANID RIFE
tons
OUNs. Hespleter 0 , er 24 lims. butter testi. g over 4 per cent. in 7 days Sta. Unt. Long-distance 'phone, Burgessvill
 AGAIN!E. \& F. MALLORY, Frankford, Ont
 Stoneycroft Ayrshires Choice young bulls and heifers of the
ing, combining show and dairy quality. ing, combining show and dairy quarity
Larse Impoved Yorkhhlre Plis and dams, now ready to ship.
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splendid mutton, GOOD WOOL, great weight.
Unrivalled in rapid and
ONIERFULLY EARLY MATURIT
hardiness of constitution, adapted to all climates, and in quality of LEAN MEA n against ALL breeds at the
nithfield Show, London, 1908 .
ary, Hampshire Down Sheep reeders' Assoclation,


THE FARMER'S ADVOCATE
941

MANY DON'T KNOW HEART AFFECTED. Hore People Than are Aware of It "If oxaminations were made of overy an, people would be surprised at the num bart disease
This atartling atatement was made by ike to say that heart disease is as common this would imply," said the expert, rent with wealk hearte must be very "Hang about wity work on the verge of death, and yet do not know it. It is only when the shock comes neas of the heart is made apparent. "But undoubtedly heart weakness, not dinosse, is moro prevalent nowadays. , the wear and rush of modern business lifo, have a lot to do with heart trouble." There is no doubtrongly advise any one affering in any way from heart trouble to
try o course of MILBURN'S HEART HNO NERVE PILLS
Price 50 ots. por box or 3 boxes for $\$ 1.26$,
all dealers or will be mailed direct on oceipt of price by The T. Milburn Co., MAPLE LEAF BERKSHIRES For sale: Young sows bred totar
ow in May and Jne boars fit for




 during April and
Ispense with his harem recalls of the story
the cannibal chief who became convert d and asked the missionary to admit "But you have more than one wife,"
objected the missionary. "My church The chief departed in dejection, but reurned again in a few days and an-
nounced, with evident satisfaction, that or baptism.

## ARE A FRIEND TO THE FISHERMAN

Dodd's Kidney Pills Cured Mr. C Williams' Rheumatism.
e took the terrible disease in well man.



Large
White
Yorkshines
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Ducks, s. C. W. Leslorns.
 Sill douglas \& Sons. MITCHELL, ONTARIO For Sale: CHESTER WHITES DANIEL of Courcr, bornholm, ontario.



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| Morriston ramworths, | Shanombank Clyyes |
|  | by im |
|  |  |
| As. CurRIE, Morliston, Ont | , |

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Take This Belt for What it is Worth. Wear
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