## How the Frost Fence "Gives" and <br> "Takes," Like a Spring

$\mathrm{A}^{\mathrm{NY} \text { Y comiless }}$ Fence is hable conditions.

But the Frost is a coil Fence In Winter, when steel Wire contracts, Frost coils "give" their surplus, instead of snapping like "coilless" Fence
And in Summer, when the Wire expands, that surplus re turns to the Frost coils, instead of sagging and causing the Fence to lose its shape.
And no matter how often con traction or expansion is caused, the Frost Fence always acts th same, like a Spring.

## Merely Excuses

Lots of other Wire Fences have a Tension, Curve or Kink, as an excuse for "Give" and "Take. But the number of these "gives" and "takes" is limited. They cannot keep it up. It isn't in the Wire or the method to do so.

Both the frost Field-Erected and the Frost Woven Fence have extuc provisions for "Give" have it. You simply cannot find another Fence which wi ret.an its shape like the Frost.

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Make Our Own Wire We are the only Fence Makers in Canada who Make and Galvanize Wire exclu- This Frost Annealing sively for Fence purposes.
Wire, to give satisfactory service in Canada, should be made especially to fight off the peculiar Canadian climate, which simply knocks the very life out of most Fences. But all Wire is not made with Canadian condi tions in view.
The Wire formerly used for the Frost Fence was made in the States. But we had it made especially for us. It gave bet ter satisfaction than most Wire, but we wanted far better. For that reason we decided to Make and Galvanize our own Wire. So we built a Mill for Wire-making, and another for Galvanizing, and installed the Most modern Machinery in use

## Then we obtained the service

 of one of the most Expert Wire Makers in America. A man with 25 years of Wire-Making experience back of him.Proper Temper
possesses the proper temper for business makes every inch of niform temper, and stronger know what that means.
Frost Wire will not snap, regardless of peculiar Canadian weather variations.
Will Not Chip

$$
\text { About } \overline{75} \text { per cent. of Wire }
$$ Fences rust 12 or 15 years sooner than they should. This is because they are Galvan

But if most of that Wire were But if most of that Wire were Galvanized thicker it would chip No Galvanizing will adhere permanently to greasy, scaly Wire. That scale is bound to drop off some time or other, and away goes your Galvanizing. But to eliminate all this, Frost Wire is put through three of the most thorough cleansings any Wire ever had. After these thorough scourings, not even one spot of grease or scale remains. When Frost Wire goes through When Frost Wire goes through its Double Galvanizing process Gal anizing not only coats" ing a part of the Wire itself.


This gives 10 the Frost Fence a life of about 10 to 15 years lenger than most other Fences. No peculiar climate can possibly rust the new Frost Fence

## Send For This

We issue a Booklet which tells all about Wire and Wire Fence. And it tells all about the won derful Frost Locks, and why they will not slip or become loose.

This Booklet is worth much to anyone interested in Fence We,ll it free, with of Frost Fence and Frost Tocks postpaid, if you'll just drop us a card.
"Frost"Fence

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STEEL
STANCHIONS $\underset{\substack{\text { STANCHIONS } \\ \text { are wing Itanchions } \\ \text { See the commort and }}}{\text { and }}$


A. M. RUS

Preston, Ontario.

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are different from and better than any other chocolate confection you ever tasted. Maple Buds are not made by any other concern, as the name and design is fully patented. Look for the name on every Bud.
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 and Home Nragazine}



EDITORIAL.

Administration of Drainage Laws
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O. A. C. Drainage Surveyors.
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the Farmer's $^{\text {Advocate }}$ $\qquad$
the leading agricultural journal in the

The Willitam Whelio Conpany (Limited)




in Canada.
TERMS OF SUBSCRIPTIO
Scotland. Newfoundland and
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2032
Guenseys and Roper ning the ees Bros., Charlottetown
made up the fair class.
Jerseys had J. F. Baker \& Son, H. S. Pipes \& Son, and J. R. Sempie, all of Nova Scotia, to
champion the breed. Wach had a share of the
winnings. winnings.
dividuals.
ng individuals. W. W 131ack won one first and one special first, whila. F. Black got two firsts
in class and a st cial first; with Amos Fowler class and a st, cial first; with Amos. Amherst winning one spe al arst. N. ... won the silver-cup championship.
WINNINGS IN DAIRY CATTLE.

Sertion 1, Shorthorn cow, 4 years and over. - Ayrshires.-Sec. 1, cow, 4 years old and upwards. -1 and 2, McIntyre Mros, Sussex, N. M. bros. Sec. 2, cow 3 years old-1, A. A. Arch bec. 3, heifer, 2 years old-1, Fred S. Black ; 2 3 and 4, McIntyre Bros.
Holsteins.-Sec. 1. Holstein cow, 4 years old and upwards.-1
Point, N. S.: 2, R. L. Hicks, Dalhousie Junction N. B.; 3, Samuel Dickie, Central Onslow, N. S

Arthur E. Dickie, Central Onslow, N. Sickie ; 2 Logan Bros.; 3, Samuel Dickie. Sec. 3, heifer, 2 4, Logan Bros. Guernseys.-Sec 1, Cinernsey cow, 4 years and upwards.-1, 3 and 4, Roper 1. Aros, East Royalty, I' E. I. . Cow 4 years old and upwards. -1 and 2, J. E. Baker \& Son, Barronsfield,
and $5, \mathrm{H}$. S. Pipes \& Hons, Amberst, $N . S$. Cow,
3 years old $-1,2$ and 3,11 . Yipes \& Sons. Heifer, 2 years old - 1 , J. R. Semple, Brule, N.S 2, J. F. Baker \& Sons: 3, H. S. Pipes \& Sons
 4ros.; 6. A. W. Roper. Cow, 3 years old-1, F.
 Semple $3, L$ M. Anderson, Sackville, N. B.; 1. W. Keilor: Grade Specials-Cow, 4 years old and upwards -1, W. W. Black; 2, J. R. Semple. Cow,
years old-1, F. Black; 2, McIntyre Bros Heifer, 2 years old-1, Amos Fowle Semple. donated hy T. Eaton \& (ro. Ltd. one aged cow, one three year-old cow, and one two-year-old heifer- - 1 . Arthur lickie, Central
slow : 2, Arthur W. Lioper. Fast Royalt. Grand (hampionship.-Silser cup, or breed of est-scoring cow in the dairy test,
grade-logan Bros.. Amherst Ioint. Sheep were out in large numbers, with few sub and, all told, the average was on a high leve rided the honors

ГHE FARMER'S ADVOCATE

ing the most of the moneswith good and well- ity has nerer been shown here. The recent addi If 13 , N. 13, was the only more room and better light A number of nell exhibitor of Cotswolds. They were of good type
and form.
(heriots, also, had but one supporter, in Chas. Symes, of Minudie, N. S., whose Hock was fair in its different sections. three breeders to maintain their reputation: Jas. E. Baker \& Son, Barronsfield, N. S.: Caphas Nunn, Winslow Road, P. F. 1 , and (1iver C. Saunders, Trilby, P. C. 1., who di-
Shropshires, as usual, were the leaders in numbers and excellence. Logan liros. led in the win-
nings, and won for best flock of short-wooled sheep, and the grand championship silver cup. Jas. I. Stewart, Amherst Point, N. S.; (ieorge loswall, French Port, P. E. I. and Cephas Nunn,
P. F. I., were each successiul in winning a share of the many offerings. (oxfords were exhibited by Jas. E. Baker \& Kon, Barronsfield, N. 13., and A. H. Moswall, Jr., Marchfield, Terte, 13, and A. M. . Boswan, majority of the honors. Had there been a championship, fine ewve in their exhibit would have won.
Hampshires, brought out by Cephas Nunn,
fair, in comparison with the other breeds. Suffolks were in the hands of Alvert isostrave ment in the flock. - Grades and crosses were out Jas. In Stewart led in the winnings. able to the Maritime Provinces. The exhibition of two-year-old ewes and over, was discussed with exhibitors, and generally disapproved of They far to discard them; and the shearling ewes should also be, in the near future, left out of the offierings. John Campbell, Woodville, Ont., placed The swine classes were for Yorkshires, Berkshires, Tamworths, other pure breeds, and grades and crosses. There were fewer entries, but better and more uniform quality, compared with las those from I'. F. Island . both from the lsland, won out prodio por won chiei honors. Tamworths, shown hy Roper liros. and Vm .
Gibson. 1 . F. I., were of excellent guality. In grades and crosses, Fowler, Forrest, Brodie and Roper kros. hrough our sol exir goo (irand championship, was awarded to Peter
 in order to become a permanent holding. Roper Bros. won the cup in 1908 with a pen of York-
chirws. POULTRY EXHIBIT
$\qquad$

ions and improvements to the building allowed coops have also cenow is divided into open and crowding. The snow if Waitham, Mass., placell
utility. Mr. Smith, of What the awards in the open class, and F. C. Eliord, of Macdonald College, in the utinty, as also in th dressed. tion was in kare classes. The utility classes wer ery strong, particulary in White Wyandottes Bull Orpingtons and Burred Rocks. Nowhere are better birds of the was good quality, havin The dressed poultry was birds. All the exhith was purchased by Henry (iatehouse, Montreal. The Ladies' Judging Contest, which is the plae ing of three birds each of chickens, ducks, gee ladies taking part. The silver tea service, given Alex ('hristic. Among the non-members, Mis Mrmson Look first, Mrs Anpuey second, and Mrs

As was anticipated by several, the champion grade heifer furnished the first-prize carcass. There was a large percentage of lean to fat, beautifully marbled. It was ideal in frrmess alnd quaty, was too tht and so soit as not to stand firm after cutting. It was wasty, because of overplus southdown in shearlings, and Shropshire in Sambs, were the winners, laker \& sonder the former, and Jas. A. Aewart the fine. It would be difficult to imagine how a better could be Thum Andean Jon Cumplo In swine, Sorkshires won. They were third on petitions. The winnong pair in open class were Guelph winners have been in past years. As a whole, the class woun hot carcassens. (̌. M. McRae awarded the prizes.
The people of the Fastern Provinces are ver loyal to their "Inter lair. They also are vers
mindful of the far-from-home strangers who spent interest ome the way improvement of live stock and to the writer it is quite evident that the fudepends largely on how decided a stand will be liberal supply of succulent winter feed. to visit the Dominion Maritime Branch Experi interesting lots of cattle seen in years were looked over in the stables. cixty-six tiwo and three-year stalls, with their rights, of wonderiul uniformit. and general good qualits, was an object-lesson no
to be soon forgotien. Were six culled out, th
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Valuable Reward for Pleasant Work

Hereford Cattle.


Controlling Animal Diseases. attempts had been made to control the disease Throughts had legisative Acts, but experience so far has been that, where legislation has been drastic, it
has aroused such opposition as to force a receding has aroused such opposition as to force a receding
from the position taken, generally ending in a from the position talen, generally ending in a he had not been saying much. he had not been sayng much, nor hat beon closely watching the effect of measures taken in other countries. effect of measures taken in other tountries.
He was now in a position to take the
public into his contidence. An International Comthey were treateld though all of these were madians, has been established to consider ways and


Hereford Bull: Noted English Prizewinner (, ) Rutharford Nominion yeterinar ry I lirect or-diencral and Live-stock Commissioner, in the
business end of his speech, are of special and prac-
tical interest. After referring to the removal. ately, of the 11 . $s$ embargo on Canadian sheep, he
$\qquad$ Energetic and sustained efforts to stamp it ou were put forth by the Department of Agriculture with very satisfactory resuls. thought to be contagious, was, on examination found to be caused by the eating of a poisonous
$\qquad$ glanders, that dreaded fatal disease which attacks hoth horses and human heings. It prevailed not
so much in Ontario as in the Provinces to the
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Typical Hereford Cow: A Royal Show Champion

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$$ in cranndaberculosis nited States This commission was appointed at the an hual meeting of the Imerican Veterinary

Issociation, in ChiThe first meeting of this body was to
he held in Buffalo beginning December D) r . Rutherford ssured his hearer: in Canada would sound, conserva ve and progress hought of going iolently against the ishes of stockmen thing question. lone without first consulting $t h e m, ~$
and extreme or objectionable measures
would not be taken: ut a grave condi-
ion of things faced

## THE FARM.

A Hundred-bushel Corn Crop.
Being a constant reader of your valuable journal, I see where Professor C. M. Evans says that $104 \frac{1}{2}$ bushels of corn per acre can be grown; also, where you ask for reports from some of our Ca els or over per acre in this or previous years, with particulars as to how it was done. Now, Mr Editor, I have grown 100 bushels of ear corn to the acre this season, and will describe how it was chiefly heavy clay. Barley was grown on it in October, 1908, it was lowed about four inches cood and shoulder. up with a 4 thls state It staye apring seeding oi 1909 the 23 rd of May it was harrowed crosswise, two
trokes in a place, then hree-horse caltiva about three inches deep,
both ways, harrower both ways, harrowed
crosswise again, twice in marked out in 18 -yard
hands with the plow. The manure was then hauled rom the barnyard, abou rows in each land. It wat sproad evenly, and the
round rolled with a
a eld roller, then plowed
bout five inches deep and rolled again, the nather followmy the plow
n about two hours. It
was then harrowed cross-
$\qquad$ 12 th of June.
hree boys did the work. Each man had a hoe, and each with his hoe on cach cross-mark, about an inch deep. The boy dropped iour kernels of corn per
hill, and each man covered the foup kernets about
an inch deep, and stepped with his foot an each hill after covering it The seed corn had been aked in lukewarm wator for forty-eight hours, drained. and dried in plaster before planting

THE FARMER'S ADVOCATE
 crotch sticks, so that if any manure or litter hung ieet afart, made of is a 5 -inch stuff, sized at ends would be increasing in value ats the trees increat a rotch sticks, so that if any manure or litter hung
to the harrow teeth, the harrow was lifted and let down easily, so as not to pull or injure the orn : and 1 must state here, candmes, that Ton't think we injured a half-dozen hills by horses or harrows in the four acres. Two days aiter-
wards, the rows could be seen distinctly from end to end. The ordinary field, three-borse cultivator was adapted for a pair of horses, the three center
teeth being removed. teeth being remored. A man got on the seat way close to the corn, care being taken not to
cover any of it. The reason it was cultivated wice in a place was that, by removing the thre center leeth, a wide space was leit in the center In going one way you could keep close to tro
rows of corn, and coming bach you would keep
close to eme row, and a complete job done. The dirt was then hoosened around the hill with the twice a week in this was, till it was so hig vas cultisated once a werk ach way until the orn was tasselling out, with a one-horse cto
ator and 16 inch whitletree. 1wo acres of this corn was of the King Philit
variet F . one acre the old wellow and one acre compton's Farly yellow Indian corn ceptember the King l'hilip was fit to cut. The pars were pulled from the stalks, and four row
thrown in one. The corn was then cut, tiod and hrown in one. The corn was then cur, barn, and husked; then measured in a busthel hasker. ant tored ir a corn foft over my driving shed, Wh. would overrun. The acre oi sellow Indian cor
was fust ten days inehind the kimp lhilip in ripen ne. It was handted in the same way, and " ont corm. so it beat the Rime Phitip 15 bushe till int maturing.
corn that has not ma feet high.
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apart, beine lopter for laying the metal sheets and he would, ht east be helpot the country sulsequently and, is made more rigid between the circles, with likewise, the same it he were a young farlu (X) tinch braces. put on in st. Andrew's-ross ke frimb ind of "stock" can be kept-he woul the patcos are similarly hraced with 2 in . $x .1 \mathrm{in}$. plant bascwood trees among the others; woul ach pair dieres tholted "Whe ends oi the harn are to induce his neighbors to do the same, and th
 ties The palvanized sheets, wach 8 ft x $\times 30 \mathrm{in}$. motallic ronfing company hofore being shipped out. His remarks have been in my mind no litt and were easily put on. heing lappeal two corruga sime that consersation. It has been one of in


1909 Barn Built by Peter H. Lawson, Middlesex Co.. Ont.


True Agricultural Economy

A Round-roofed Barn



feal on the alnatle mimeral moments of plant foo
 ne crops, ond converted inton newsit is. or luxurios. But why need we multiply illustrations?
ill only trespass unduly on the editor's spac and exhaust his pationce hy so doing. so that he
 onsiderathe cost. Exers Tarmer can make hit "wnounded. and illustrated in this art icle to suit
 Links of the Present with the Past.
th ment.
 wenty pounds of phosphoric acid. This quantity reat stores of these clements are fresent in the -round, it would appar as if fertility would reare in the surface foot a few thousand pounds of nitro, hos phoric acid, and a large proportion of potash. With these quantities present, it is oldwhend rops; and, this being admitted, it is not surno necessity to conserve the fertility of the Wthough it is true that many of our lands Non if the grain is annually marhected at the ele ator, yet this cannot be done without the crop, "heat-growing in england-an average annual vield has heen reduced from bet ween thirty and forty in the entire period. Analsses indicate that ther remains in the earth a fair supply of ash con-
stituents, and that the unproductiveness is the he alsence of which-or insulficiency-prevents the literation of the ash constituents. It appears hat liberate the ash elements. and unless thes Whe emere marie soil contains a large suppl
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an the farm nust, of course, vary in different circumstances.
the legumets may be used in providing nitrogen, The legumes may be used in providing nitrogen, heep, up the supply of humus. It should be remembered that these growths contain considerable iv) the ground, something more than humus is ") the ground, something more than humus is per-acre wheat crop contains twenty pounds of potash and fifteen pounds of nitrogen ; the stalks rom a sixt $y$-bushel corn erep counds of nitrogen. when grain cropes are fed to animals, only a When grain crofse are fed to antmals, of the fertilizing elements is removed from the farm, this being faken away in the tissues of the animals. There is no doubt that land grain is fed to animals on the farm, the manure used on the soil, and legumes given a prominent flace in the crop rotation. Such a system of wriculture may be carried on for a great many and
commercial fertilization.

A Canadian Plank Barn-frame.
Wwing the past year I have designed many plank-frames for readers of "The Farmer's Advocate." dearly all of these have bcen after the easily designed to meet the demands of a stabre, pualt on the level of the ground, as the inclining purline posts are in the way. For this reason, set to work, and, after much thought and study, and all styles of barns.
$\qquad$ The amoun of timber usean cantilever frame Besides, it is all of ordinary marketable length. and can be procured in any fumber y. The design is also so very simple that any find erect the frame after once getting the idea limited number of men can erect the frame or a great many can find employment on it for a short time, from the fact that a saw, square and hime are about alt the to cess than to build a timber frame of the same dimensions Following is a description of the structure, and the course followed in building 10. To spreat, and on this is laid the sill, composed of one $2 \times \&$ plank, and one thickness of $1 \times 8$ board nailed on top of $2 \times 8$, foints broken ; on the outside of this a $2 \times 6$ is spiked, flat side against ject abowe the top of the cill io form a shoulder which keeps the posts secure the sills, and the posts are made of two planks $2 \times 8$, with 2 -in. space between: then the main
cross-beam is built of three planks $2 \times 10$, having the center piece extend out tenon-like, at each end, 8 inches. This slides into the posts at the fisiect heipht of the stable ceiling, and is bolted and sraces made of three planks $2 \times 6$ are insorted, with a run of 3 feep, into post and beam. The "enter piece extendine as a tenon gives and resisis commression and extension. An averture $2 \times 8$ inches is left at the point
where the purline post site on the bearu. The


Links of the Present With the Past

## THE FARMER'S ADVOCATE

method employed to find this point, and at the costly labor of the former, or the long plank
same time have a strong and attractive roof, is as
the beam, previously determined by spacing the span off into five equal parts, this point being the nearest to the side or first space. Next draw a line, which will be the incline of the roof, at an angle of 56 degrees wits edge of the plate, and to start at the top outside cage ind inward until it intersects the perpendicular. The perpendicular gives the length of the purline post, and the diagonal line gives the pitch an
The three center spaces of the span are than span of the upper roof on this style of barn, and
it has an angle of 34 degrees with the horizontal The length of the purline post being deter mined, we proceed to make it. of two thicknesses of $2 \times 8$, with 2 -inch space betweer. A tongue 4 protruding as a tenon, and is let into the $2 \times 8$ protruding as a canon, where it is spiked. - A tif made of one $2 \times 8$ plank extends across from the top of the side post to the purrine post extends clear through $2 \times 6$, rises from between the planks of the side post at the top, and reaching upward and inward, enters the purline post 8 10 feet above the tie, and is botted and spiked. The side plate is built of one thickness of $2 \times 8$
siked to the outside of the post, and having the spiker edge level with the top of the post, and over the top; of both the post and the edge of the $2 \times 8$ plank a $2 \times 10$ is securedy spiked, thus forming a sort of angle beam to resist movement each
wav. The purline plate is made in precisely the same way, and has $2 \times 4$ braces, 4 feet long, at each post, those at the ends being $2 \times 6$, and 6 to
(eeet long, to stiffen ends. The side bracing of the frame is done as folsill to mate, in the center of the span, between each bent, and from the bottom of the immediate post or each side of it a diagonal brace rises and fits snugly under the plate at each side of the upwell as the upricht, have the edge turned out toward the outside of the building.
he span across the end has hraces inserted in nore than sulficient to withstand any windstorm hat is likely to arise. hat to outside of posts, uprights and braces, thus
knitting the whole structure, lattice-like, together. If the span is extremcly, wide, a purline beain may be stretched across the center, and another set off purtines
In the center of the end, a perpendicular post. made of three $2 \times 8$ planks, oxtends from the cross-
bean to the peak of the top roofl, and to this and the purtine posts the $2 \times 66$ nailers are spiked in The fortine posts of each end bund may ixtond case made of two , tanks $2 \times 110$, one spiked in-
side and one outside of the posts, the same meth If the reader has siwell atcomblon to the as sembline of the frame in. "ill. "In dould, ste that struction. White the indivilual timbere are hailt
aceording to the
Amerimall Hank frame method

 costly labor of the former, or the long planks sult. The same land which a few sears ago gar The case with which a bill of material may be prepared, the simple method of iraming, and many of our Canadian farmers to build modern, bany of our Canadian farmers to build modern, tion, and mat each he which are receiving atten reams of many a winter evening. $\quad$ Itrainage comes first ior, without good drain With the permission of the Fiditor, I propose, In the near future. to publesn barns, built on this principle, and will be pleased to answer any in quiries which may be sent through (illmolkE, Idvocate."
Hunting

## Gassing'" Flour Mills

$\qquad$ Cheir troubles, and insect troubles are not the
least of these. Fiormerly, they had to contend with grain weevils and flour beetles, which they thought very troublesome, onsignificance, compared these pests have sunk mon than twenty years since this insect first invaded the United States, but now it has spread unt il infests mills in nearly all parts of the country and is the main source of complated, it is necessary to clean up and fumigate at longer or shorter intervals. These operations are in themselves ex pensive, and the loss is greatly augmented by necessary stoppage of the mind agored against this pest, sulphur and bisulphide of carlon have been most prominent, but danger of fire is an objec tionable feature with both besides, fumigation with these has never been wholly elfectse. some tests were made that did not prove entirely satisfactory. Recently, however, this deadly gas has been more fully and carefully tested, with The Inited States Department of Agriculture describine and illustrating the materials and meth ods to be employed. The chief danger of dase therefore be used with the greatest caution. Bu In account of its comparative cheapnese ath mon of other methods in dratims

## Corn-growing in Essex

Irainage comes first, ior, without good drain
age, corn-growing is but a lottery. Therefore, under irain, and, if necessary, top-drain, but get rid of the surplus water. This is the chrel cause of the Ifssex farmers believe in feeding the crop which feeds them. Consequently, we find fall and winter manuring of corn ground growing in favor. The earlier-arplied manure gives the better crop, it strength being washed into the ground, where the
corn roots feed upon it, instead of being put. be cond their reach while the plant is small.
Corn land is usually plowed in the spring, and pulverized with disk, roller and harrow, Heary water or working while wet, is greatly benefitecf y fall plowing, as the action of the frost make six inches deep, but the nature and depth of sub The corn is planted in hills 3 ft . 6 in . to 3 it is quite renerally used. Three stalks in each hill after arm corn seldom gets harrowem beneficial. while others see little advantage. The hief advantage seems to be to prevent the forma
tion of a crust, thus making the first cultivation casier. All are agreed that the cultivator ghould kept going. The rule is from four to six culti setions, hut the aim is not to allow the anil to
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Useful and Constant Remembrance
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THE DAIRY
upeamery Problems Liscussed.

in the discussion
$\qquad$ ionnal discussion was, is Grading Cream I'rac-
tical at Cream-collecting Creameries?" Instructor Roberston, St. Mary's, led the discussion, claiming that he did not think it would
be practical, on account of the present system of be practical, on accoum of the present system of the grading would have to be done hy the cream-
haulers, who too often are not capable of doing hamers, who too often are not capable of doing
their present duties right; he also thought that, If cream were graded, and difierent prices paid tempted to mix them together and sell the butter at a uniform price, rather than sell two grades
of butter. Mr. Forster, of the lure Milk Co., Hamilton,
believed the grading of crean the only way to imbelieved the grading of crean the only way to im-
prove the quality oi the butter ; he made a differance of from 1c. to 2. per pound fat for rich and sweet cream more than he gave for thin and sour cream. He had been doing this for the past three years, and now seldom gets any poor cream. His
patrons were putting in ice every winter, and were vell pleased with the results. dr. Newman, of Iornevile, thought it would ar price than his neighbor , he would either go to
another creamerv or keep his cream at home and another creamery or keep his cream at home and
make his own butter. He thought a better was make his own butler. He thought a better way
would be to give prizes to those who sent the best Mr. McFecters, Gwen sound, found out by experience that it does not pay to make many
(hanges, as the patrons think it is all to the beneTht of the creamery owner.
Mr. Aldrich, Sekirk, said it would not be
practical, but a good thing to drive patrons from the creamery.
Mr. Malcolm, Sheflield, gave 1 c . more per pound Mr. Malcolm, Sheflield, gave 1 c . more per pound
lat for sweet creanh and iound that it worked
(out all right, while his aserage test was about 27 per cent fat. Chief Instructor for Eastern On(arlic, thought it time to do something towards
the improvement in the quality of cream, as re
ports sent in from Fastern Ontario creameries (Hality. The second subject was "Instructing and Heam." Hers; Individual lans ior Gollecting Mr. Herns thought the gratest trouble was in most of the havlers susd, and carelessness on the
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$\qquad$ Wr. Newman used the jachered cans, and "
ind pleased with them ;
inmered and po

We the majority of his troubles catsed. M. (Tar
Co. 1.ondon. exthithited a can that had been
is. Smith, Altom, started to wee the in
a small creamers of 1006 to 150 patron

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$\qquad$caused the tramervonwers andoh to kerp) the ereate anm all wremn would
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Posch ichardson,

Others did well. A
alked of for next
Mr. Heris sext year. he hourht the makers and propriet stated that he thought the makers tably getting the patrons to have more and better cows, producing more cream in their own ter itory, than trying to lake the patrons from ano all hisury. Ar. Brth, Teeswater, sent work form individual cows all season iree of charge. He tested quite a number in the past, and expected to do a larger number next season. He, as well as the patrons, iound it profitable. Mr. Paget, the Jominion Government along this line, and thought that it should be taken advantage of by elery cow-owner. Mr. Publow realized that the makers did not take enough interest in this lin Hoold, and if they went at it in the right way Eixth subject. "Improving of the Quality of Qur Butter: Pasteurization; Preventing Mottles, Controlling Moisture Content; Caring for the Churn, The best kind of Paint or Che in Cream, lats, etc. Crof. Dean ound, ier in the buttermilk when churning cream which had been pasteurized with high acid, and that the proportion of fat lost increased as the per fastourizine Tho cost of pasteurizing cream for buttermaking is estimated to be one-tenth of a cent a pound of butter. This, he thought, would mean an extra value of half a cent to wared with that from unpasteurized cream. M. Robertson showed that, where makers were roing over the limit in moisture content. It was by the methods practiced in washing or churn ing at too high a temperature. F. Dean though surcenss of pascourizinc makers dis not make part of the maker in not keeping the temperature part of the maker in not keeping the temperature
acen (about 175 to 18.5 degrees gave best results), T.ocust Hill, sald that
nin they quit pasteur-
nust nstomers began to hain atocut the flavor high prices for round. Send all cream hack home collect three
sour, and coll wee, some
times per wery day. of it every day.
Thev clean their pipes
with a wire brush every day , Bell Tavistock used lime-water for sweetenng his churn. Mr. New-
mann advised not using when rinsing out the pores of the wood, al-
lowing the butter to get in and make the churn ing-soda was usea, mak ing the churn yellow bet-
smaller amount gave bet ter results. He liked varnish better than paine once lur wek. and steams occasionally, rinses
luhnwarm water, then washes with boiling water f. Richarmson, St. Mary's, now uses shellac and varnish on the churns, with oxide and oil on
ihe ironwork: th:s is giving better gatisfaction
$\qquad$ The seventh and eighth sub)ects were hull dis cussion: ". 'realmery Refrigerators; Creamery Vintilation
roints in
$\qquad$ frizerators in poor condition, affecting the qual Ity of the butter, and producing mold, white Mr large number were in excellent condition our.
fowman washes olf old whitewash every spring, thit then gives his refigerator a new coat
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Conditions for Milk Production.
It is not so easy as it looks to determine the
cost of producing milk, said 1'rof. Hean in an ad-
dress at the Ontario Winter Fair, on .. 1.essening
the Cost of Milk Production." It is a hopeful dress at the Ontario Winter Fair, on ". L.essening
the Cost of Milk Production." It is hopeful sign, however, that dairymen are wanting to know
the answer to this diflicult question. This much may be stated without any hesitation, that thi
cost has increased from 25 to 50 per cent.
this time, the feed cost of 100 pounds of milh it cost has increased
this time, the feed cost of 100 pounds of milh
not less than 60 to 75 cents, or, br the quart
to $1 \frac{1}{6}$ cents. Adding to this the cost of to $1 \frac{1}{a}$ cents. Adding to this the cost of at
tendance and other expenses, the cotal cost oi
quart of milk will be, at presint, 2 to $2 \frac{1}{2}$ cents. quart of milk will be, at present,
The factors in lessening cost oi producing milk
or, in other words, oi increased profits in dair, ing, may be summed up in six words: Man, Coil
Feed, stable, Water, Exercise.
The man must be one who observes and studime The man must be one who observes and st
No idler or mere dreamer will succeed. More ne must have a liiting for the animals he tends
The cow must be one that produces. M Pantastic schemes for increasing milk flow w
referred to, such as a bonus for extra milkers,
having music played to please the cows while be
ing milked. These might be dismissed withous
hesitation. Sane methods were the only one:
ing milked. These might be dismissed without
hesitation. Sane methods were the only ones
worth considering. There has heen, of late, an
abandonment of the practice of milking right
abandonment of the practice of milking righ
through to freshening, so much recommended a
ehrough to freshening, so much recommen it a
will give more milk in a
perion of six to ten weeks
period of six to ten weeks.
The stable should be well ventilated, clean, ligh
and comfortable. Fresh air never killed anybody
too far; it has been carried to extremes. A reat
sonable amount of exercise is necessary to healt
sonable amount of exercise is necessary
Health means production. We want $t$
economically, and in a cleanly manner.
economi
"Wh
time, I
time, 1 don't want it half-warm." Ore function
of water is to relieve a feverish condit on, and hy
doubted whether it was wise to have water con
stantly in front of the cows. He would
having them drink when let out for exercise, which
have been keeping
sunlight, exercise
sunlight
would certai
calved cow. For a day or two, great care shoul
be taken, in such a case, to avoid giving a chill
Feeding cows twice a day is as good as oftener
The
Able
When
At the recent annual meeting of the Maineons were passed : Whereas the dut on butter at six cents perround seems to the cubscribers to be a fair and eam at fise cents per gallon is utterly incon- white wax was produced from altalsa and froch istent with the duty on butter, for the reason more-highly-colored wax, while buckwheat heath hat four to tive pounils oi butter may be manu- and other dark homeys wated that he was not pre actured from each galion of cream, thereby prac- Mr. Holtermann stated that wax was affected h
icall. reducing the duty on butter to one cent or pared to say to what extent water fically reducing the duty on butter to one cent pred the whes which the bees consumed in its produr Re it recolvect that the tarill on cream shombld tion. That the creath was afceting portion of
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To Our Club-raisers.

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-over same (each mow subscriber paving $\$ 1.5(1)$, we andiet. It appears that
Cemuneration to sou: or for each single NFW dit the enable an inspector to destroy disease
the date of your address lathel six monthe ('ash
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## APIARY.

Bees in the Orchard.


Handling Bees Without Gloves.

How Americans View the Cream Trade

Western Beekeepers.


GARDEN © $\operatorname{ORCHARD.}$
Pomological and Fruit-growing Society of the Province of Quebec.
 impmetame of thoroughnes.s.
Prolo. . N. Swane, Fntomologist of Macdonald
college, followed, with an admirable illustrated artance oi knoxving something of the hatits of tical. "The "alue of cooperation," by beput
$\qquad$
Einthusiasm prevailed throughom in th
session of the Quebec lomological and Fruit-grow-
ing Society, which met at Mactonath Collece.
Que, on the 9 th and 1uth inst. The Societ,
was especially favored by the presence of to
Hon. Sydney Fisher, Minister of Agriculture io
the iominion: Hon: J. A. Caron, Minister of Agri
the iominion; Hon. J. A. Carol, culture for the l'rovince of Quel)ec, and Hon.
culture for the Mrovincial Secretary, all of whom gav
addresses full of inspiration and encouragement
The spacious Assembly Hall of Mactonald Eolleg
The spacious Assembly Hall of Macdonald 'Colleg
was given over to the two-days' session, and th
was g
the convention one of the best in the history
the society. The Province is making rapid al
vancement along the line of horticulture gencr
especially fruit-growing.
Much regret was ielt at the absence
President, G. Reynaud, of La Trappe, Qu
has recently been strichen with paralysis.
has recently been stricken with paralysis. It
the hope that a speedy recovery will take place
President Reynaud's type. He has been one of
in fruit-growing, doing more to encourage horti-
culture in the Province than any other one man.
both through his teaching at La Trappe and
other information so cheerfully given through
other information so cheerfully given through
various charmels, especially at the Pomological
Society meetings. He was able to furnish the A.
sociation with
encouragement.
encouragement.
He referred to the
Macdonald College, and the wide field touched
holding the winter meeting at this institutio
benefiting the whole Province through the
benefiting
attending the convent
While in the realm of science many a problem
still remained unsolved, and though the fiel
investigation still remained large enough
pleasure to acknowledge, he said, that in the
of immediate practice remarkable progress
been realized, and that in this respect,
and, in particular, the Province of Quebe
and, in particular, the Province of Quebec, ha
not stayed behind. A isit during summer throug
the parks of the town and the orchards of the
rural districts, which make the country places sil
rural districts, which m
attractive, is sufficient
attractive, is sufficient of horticulture in the Province.
Reference was made to the Cecentines, which
Pomological gathering at it. Cathare
he had the privilege of attending. The trips made
to various points of interest through the kindness
to various points of interest, through the kindness
of the Provincial Government of Ontario, and the
of the Provincial (iovermment of Ontario, and
enthusiastic citizens of the section of the Provinc
gave one an opportunity of studving the possilith
ties in a peach-growing part of (anadu.
While all regr
dent, his address
still continue to
Province
Hon.
Minister
interested in farm
communit
neeting members
ruit display.
interests of
The Ion.
ture. in am
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pressed his
convention.
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through
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Early Apples Sold Well.


THE FARM BULLETIN.
South Perth.
 ior those who hat now, but back of drainage is " ureat drawhack
it semus eacs onouph to put a catch, but pastur ing and heaving timshes it . The corn crop ${ }^{1}$
rather slim : so are oats and hay and mangels are good. Apples ate fair in yimpld, but few, or ing in many culls from scab, wornus, and poor
duathoment. thuyb the latter is often due to lack of iertilization by insects and beess durng
Houm. They sold for $\$ 1$ per warrel on trees for both taken. This, of course, does not mean a fortune for the grower, and mothinks this pric
might easily be dounted by coopmeration. ording to reports. flax-pulling machiness are com
nE into general use. Three of them were work ing in the vicinity of st. Mary's this summer, and did the work fairly well, of course, may result in
out the weeds and thistles, but this may rel growing cleaner crops or flax. it aso won twon The agricultural revorts wore late in coming this sear, termation about a year arter it happens. But they contain invaluable information, though at the top of the page the name of the department or presson reporting, as the Dominion one
does instiond of continuing the same unonding titue. His Majesty's printer could also surely bo reports. Hydro-Flectric private telephone lime is
The Hyder nothing of the municipalities getting ansh and a
the right of way. They follow the road, and
 be paid for the righen-wns usen the anne art wnt
$\qquad$ higher than the solidid concretw, but if they stany


United States Crop Report

Report of Seed-growers' Meeting. df anceting issoriation, held in the City Hall,
 menbership, was growing, and the members were nuding it more prolitable erery year the corn aching ing marked, nictes. Ears. Eiker strains were stalks was boing chiminated. A sew moers were held up as examples in this phone Carmichatel, West orne, and John Nict athum, Shahespeare Great fers in doing their work, so that their seed would 1. 11. Ham inson, Gowsend, gase some of his wxperience in corn-breeding on his larm. He said
he was a tirm betheve in the value of selection,
ne he last five years under the system approved by ear corn per acre to 125 businls oir a ten-acre it was a suitable variety for any part of the ears, many talhs bearing two good ears the lmprovement of the Iotato "was handled very satisfactorily by He Mutchinson. He "ray to select was from ndividual plants. He had noticed a marked difrerence in the product of individual hills. He had acted hills dinerum was shown piving the cariation of yield in pounds from the dilferent rous. W. Clark, of Cainswlle, hed the discussion, and thought that, instead of aiming at a few large number of medium-sized ones, such as the market required. He selected hills that had eight or nine
hester Nicholson read a paper, ". The Choice Foundation stock and lts Importance." He variation and hesedity

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& \text { fied open the the } \\
& \text { tion of improved seed. He thought the ellmatic } \\
& \text { and soil conditions in ontario were almost ideal }
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& \text { tion of improved seed. ont } \\
& \text { and soil conditions in ontario were almost ideal } \\
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& \text { for !roducing first-class farm seeds of all kinds. } \\
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& \text { The prospective markets demanded that more at- } \\
& \text { tention be paid to the fimprovement of seed. The } \\
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& \text { demand along some lines was exceoding the sup- } \\
& \text { ply. He referred to the many inyuiries from }
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$$ fimmers and others as to where they could procure tharhet was a large one, and could mot only be Irom on another Farmers' institute Clabs were multiphing, and wore co-operating in buying clovidividuals sed merchants, ere paying good prices for the sup!ly. There was an which might be encouraged. Therponcial trade, which might be encouraged.

The lorign martot was not to be despised.
Cote, oi the seed liranch, led in the disuspion. and said that in quetec they imported and large quantities of small seeds, as well. Ontario seremed to haw the men to grow good seed, uot he worked u! in quebec. preme in protucing graing and dratning his land. He was meeting with encouraging success.

## Professor Carlyle Goes to Idaho.

 Professor W. L. Carlyle, a native of Colario, ind formerly Professor of Agriculture and Animal llushandry at the Wisconsin and Colorado Agri cultural Colleges, has recently received the apat Moscow. Tdaho. rrofessor Carlyle is widely known as an enthusiust in his profession, and aHe received an first-class judge of live stock He received an of the livestock department of the Alaska-YukonPacific Fxposition last summer, and performed the duties of the nosition to the satisfaction of all

## Items from Caledon Hills.

 Editor are now over the busy season, and have got the cattle safely housed for the winter, which is already with us. The season has one, and the farmers in this section are again wearing the genial smile, after the sad faces of last season,storm of August, 1908 . Many of us loste our storm of
grain, and had to buy grain and hay to winter over our cattle; and many a poor, struggling farmer had to sell out cattle because he had nothing to pay his taxes and lame with the rise in prices of both beef and hogs, there is a tidal wave of prosperity. A great many farmers around here, owing to the late spring and the land not being drained, put in a great many acres of buckwheat, which turned out very proflabeatly but wheat is not grown in this section greatly, but
wherever grown the yield was very good. Rye was also a good crop. Alsike is also grown to a large extent, and yielded well, although prices are not so high this year as in late years; but favor for dairying purposes, being a cheap feed, and also helping to keep the cows up to their milk after the grass is done. Silos are not numerous around here, but several farmers are interesting son will see silos being erected, especially by those who are sending milk to the cheese factory. Several good sales of Clydesdales have been made at Orangeville Fairs this last season, this being the leading breed in this part, although the general-purpose horse is kept in large numbers by
those on rented farms, and bred from almost any kind of sire of the light breeds. I think it would be very profitable for someone to run a good-sized Thoroughbred stallion in these parts, as they are large and small lots, chiefly the Leicesters, and a small breed at that, although the Down breeds are more suitable to this part. There are a few aocks of pure-bred Shropshires kept, but, being ather small Down rams are heing looked to for cross ing with the Leicesters to produce a more salable wool at the mills here. P'rices being paid for the wool here do not increase the deman for the smaller Down breeds. Why the dirderence wool, I cannot say, $12 \frac{1}{2}$ cents only being paid by the mer chants for long and short woot, inn arades ar the leading breed, and most suitable for thes ing into favor. There are few Holsteins kept but no one seems to be interested in the pure-bred Holsteins round here : they are likely to becom a back number. In closing, I must say the Christ
mas "Farmer's Advocate " is a gem.

More Room for Seed Exhibit Editor "The Farmer's Advocate": of place at this time about the Provincial Winte
Fair which has iust closed. In the first place Fair which has just closed. the people of fuelph deserve congratulations on the great improvement which has been made in
which is the seed "xhibit. It would be interest Ibs. In the younger steer cluss, the Messis. Ross, Which is the seed, ath great awakening, if all the Millcraig, were first with a roan yearling, regarded readers of our trade-jounal could get together and by many as the best shorthorn ever secm at the
be questioned about what struck them most in the simithfield. His weight was recorded as 1,302 be questioned about $\begin{aligned} & \text { horse, cattle, sheep and poultry exhibits. I lbs., at } 22 \text { months } 3 \text { weeks } 4 \text { days. The second }\end{aligned}$ think it would be hard to keep from having more place was given to the King s light roan, wat
then than one speaker at a time, and great enthusiasm wouid be exhibited But, 11 we were questioned about the seed exhibit, 1 ment would be clearly poring that blank aston on most of ouces, and yet, if we could compare the value of the grain industry with that of poultry, I think it would stand about $1-\bar{\tau}$ in favor of grain. And yet we could not help notures and cages which the poultry exhibitors were supand cages which the they certainly deserve it. There was a splendid exhibit. But what about the seed exhibit? If we had looked closely, we might have found it in a lot of the seed grain was shown in bags of all nations, ages, sizes and colors. For the lover of variet
under six feet, and the corn was mostly piled awa
up on a high sheli. I could only see the butts
the ears. Howeser, it was sate; wotatoes weti the rats got any of it. The phates and piled down on a lower shali, with ends of the tubers showing. better seed show. But what are we going to do about it? The other departments are filled up, and we do not want to sre them any smaller:
want them as large as possible. So that heri want them as large as possible. So that hern
a worthy problem for some of your raaders
 Mrant Co., Ont.

Smithfield Fat-stock Show.

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\begin{aligned}
& \text { The great annual fat-stock show of the smith } \\
& \text { eld Club opened in the Royal Agricultural Hall. }
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\begin{aligned}
& \text { field Club opened in the Royal Agricultural Hall, } \\
& \text { Islington, London, on December fith. The at } \\
& \text { tandace was unusually large on the opening das }
\end{aligned}
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\begin{aligned}
& \text { Islington, London, on lecember (ith. } \\
& \text { tendance Was unusually large on the openting day. } \\
& \text { when His Malest. the King was present. The }
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$$
\begin{aligned}
& \text { when His Malesty the King was present. The } \\
& \text { quality of the stock was of an exceptionally uni- }
\end{aligned}
$$ quality of the stock was of an exceptionally uni-

form order. In the cattle classes, it was al crowning day for the "blacks," as, in the fina contest for the best beast in the show, there wer.
four exhibits, three of which were Abordeen-Angus Cepresentatives, and the fourth was an Aherdeen Angus cross. field. The supreme champion in the competition, open to all breeds. was the two-year-old AberdeenAngus steer, Pan of the Burn (whose picture appears in this issue), (ust in coo order steer cass Col. McInray, The Burn, Edzell. His weight at 2 years 11 months, at the show, was 2.022 its
In the yearling Aberdenn-Angus steer clacs, Iord Inosebery was first with his $2: 3-\mathrm{month}$-old I Iresident
 Hudson's second-prize two-vear-old stomer. Tochi
neal Style, whose weight at 2 years 10 months : weeks was 1,095 lhes all classes, In the two-sear-old steer class, the
firss award went to The Gentleman, a dark roan hred by J. \& A. (: Ross, Milleraik, and shown he MI A Martinez de Hoz, I Iondon, his weyt
place was given to the king's light roan, Fear-
less, very handsome, but not so highly fitted, his weight at 21 months 2 weeks 5 days being 1,386
lhs. The Millcraig yearling was the breed champion, and the King's Fearless reserve. Herefords made a particularly strong show. and for the first place in the steer class ther
was a tie hetween J. J. Crilland's Flashlight whose weight at 2 y. yars \& months 1 week 3 days was 2,030 ths, and the King's Dandy. whose weight at 2
lbs. years 7 months 22 weeks was was finally dectared the winner by the referee, and was ulso breed champion. with Flashlight reserve. John C'unningham's heiter, Maggie Lauder, which at 2 years 10 months ${ }^{3}$ weeks was 1,447 lbs the reserve loeing Robert (iraham's yearling steer

P. E. Island.

Up to the 10th of the month the weather wu ever remember. The ground is completely filled ever remember. The ground is completery water, and springs are gushing forth where they were never known beiore. Fall work on the rarms is well advanced, and large quantities of
produce have been shipped at good prices. this month, our principal exports are oats. potatoes, beef quarters and carcuss pork,
which, with the exception of potatoes, are briny ing wery satisfactory prices. Considerable cream ary buter is also going forward to Halifax and
si. John, at $24!$ cents. The milk supply, which Hus large for November, still keeps up this month Wus egge trade, which has been very large and profitable, is practicaty orer, is is impossible for us to get a market for winter egys, on account of he dilficulty in getting them to cities on the ited that the price seldom goes above 2.5 cent and towns a little distance the price is no higher much more cheaply. Institute the fished, there is much more interest taken in stoc pure-bred animals, as a result, have found the - Just this evening I has reate the fis fill illustrations and budget of interesting and instructive veading mather from the pens of mamy who through the paper, are helping us to work
out the ever-recurving problems, the solution of and the calling of the farmer more inspiring and

The Dominion Budget.
Whe mon. Mr. Fiedimg was able to give a speech than last sear. 13: the end of the fiscal


The National Horse Show.


THE FARMER'S ADVOCATE

## 54 YEARS OF SAFE BANKING

ynimex from long practice.
ment of the funds of this Bank i,
guided by a knowledge gained in


Savings Depositors


interest
SSETS, $\$ 48.000,000.00$
Bank of Toronto
MARKETS.
Toponto.



Whe, nor Rushin. Wone. nor Rne:
they
levertheless,
is wall is well to contemal


$\qquad$

Hope's Quiet Hour
When a Bramble is King


WHAT every cook should know is, which wheat makes the best flour, and why.
Winter wheat is put into the ground in the fall, but does not ripen until the following July. It matures slowly, is soft and very starchy.
Spring wheat is sown in April or May, and ripens in August. It's a finty, translucent wheat, rich in gluten and contains nearly twice as much nutriment as winter wheat.

## Royal Household Flour

is made entirely from the hard, nutritious spring wheat, carefully selected from all the wheat of this kind grown in Canada.
Royal Household is fine, light and pure-milled by the most improved methods-in a mill as clean as your own kitchen.
Ask your grocer for Ogilvie's Royal Household - just enough to try. You won't mind the slight advance in cost when you see the resultes in your bread and pastry.

21
ogilvie Flour Mills Co., Limited, Montren

THE EASTERN ONTARIO
Live Stock \& Poultry Show
OTTAWA, ONT., JAN. 17 to 21, 1910.

## $\$ 8,000.00$ in Prizes

[^0]D. I. FLDERKIN. SICRETARY Pembroke, Ont. WHEN WRITING ADVERTISE

## The Beaver Circle.

IAll children in second part and second
houks. will write for the Junior Beavers' lepartment. Those in third and fourth fooks, also those who have teet the ages or are in High School, between write for
of 11 and 15. inclusive, will wres Senior Beavers'. Kindly state class at school, or age, it you have left school,


As it seems impossible to publish the rize essays (boys') to-day, without
rowding out Justus Miller's story until Christmas has passed, we are giving you
the names of the prizewinners; the essays will follow-or, at least, as many of them as we can find room for-in a later issue. Prizewinners in Boys' Competition. Sonior Boys: Hen Holterman, Rob Robinson, Jo,
Leslie Wright

Christmas Eve with Santa Claus.
(Written for the Reaver Circle by Justus
Miller, Jr.) It was Christmas Fve, and the McDougall farm home reechoed with sea-
sonable merriment. Big Brother Bot and Sister Carrie, Aunt Jo and uncle of Christmastide, were there, and others were coming. Acter had there been such eyes they romped with the older ones, or with noses fattened against the windowane, peered through the darkness ister most charming of all, to them, was the 'hristmas tree standing in the corner, displaying its many candles, which Santa
Glaus, they hoped, would adorn in his arcustomed manner with the things each one loved best. At last, lired with play
and excitement, the little folks lay down beneath its green branches, and, with full so beloved by Canadian children, and of the delightful surprises awaiting them in
the morning. As Jacky lay gazing at the topmost candle a wonderful change took place, and
he saw emerging from it a beautiful fairy he saw emerging from it a beautifulfary
dressed in a gown of flowing silk, emroidered with sparkling frost crystals. ing ice, while in her hand she held a magic wand of the same delicate sub-
stance. stance.
smiling sweetly, she floated down be side the children, and taking one of little Jack's, she said: my name is Beautybright, and I have fanta Claus. By my makic I shall make arting. Come, don't the afraid: Just
lasp my hands tightly and close your yes, and when you open them we shall airies where Santa Claus lives."
They did as directed. Bur a moment veemed to have passed when they opened
their eyes, and $10 \cdot$ they stood within a hagical land on the cloudtoops, theneat he twanling lithe doorth star, mont


[^1]
nectrawer 23, isos
THE FARMER'S ADVOCATE.



2048


It is so pare and fine it cannot
irritate or harm their delicate "kine.


## PSORIASIS




Pimples,

Superfluous Hair,
Moles, worts, Eted. eraidited torver
rolysiss Bookict "F" maied on rowe
Hiscott Dermatological Institute,
61 college st., toronto, ont Established 1892.

It pays to know
Trinidad Lake Asphalt s nature's perfect water-

Genasco
Ready Roofing
is made of Trinidad Lake A -
phalt. You know it will last and phalt
give
give give your roof absolute protec
Do you know that much about rounds
Mut on the side and gether roofng


 New York


THE FARMER'S ADVOCATE

ngelique,
ngelique, and avoid all
(Le Chien D'Or.)
A Camadian Mistorical Romance. Copyright, 1897, by L. C. Page \&e Co. (Inc))

 Y as she came, but profess absolute ignorance as to her rate.
Angeli ique woild be equally cautious

 as absolute fact. Her tongue if not
her thoughts, would be sealed tup in


Chapter xLIV.-Continued. Bigot looked as Cadet said this and
laughed: ". You would send her to iaughed: aux ceris, eh, Cadet? Par
the Parc
Dieu! she would sit on the throne Dieu! she wo
in six months !
 ceris, but the Chateau of Beaumanoir,
But you are in too ill-humor to joke
to-day, Bigot." Cadet resumed his to-day, Bigot." Cadet resumed hi
pipe with an air of nonchalance.
" I never "I never was in a worse humor in
my life, Cadet I feel that I have a
padlock upon every one of my five padlock upon every one of my five
senses; and I cannot move hand or
foot in this business." Ioot in this business."
" Right, Bigot, do not move hand
der or ioot, eye or tongue, in it I tel
vou the slightest whisper of Caro
line's life or death in your house
reaching the ears of Philibert or La reaching the ears of Philibert or L
Corne St. Luc, will bring them to Beaumanoir with warrants to search
for her. They will pick the Chateau
俍 to pieces stone by stone. They will
drag Caroline out of her grave, and drag Caroline out of her grave, an
the whole country will swear yo
murdered her, and that I helped yon murdered her, and that I helped you
and with appearances so stron
and and with appearances so who bor
against us that the mothers
us would not believe in our innocenc us would not believe in our innocence
Damn the wounen! The burying
that girl was the best deed I did that girl was the best deed I did fo
one of the sex in my life, but it will one of the sex in my life, but it wil
be the worst if you breathe one wor
of it to Angelique des Meloises of it to Angelique des Meloises, or to
any other person living. I am not
and any other person living. I am not
ready to lose my head yet, Bigot, for
the sake of any woman, or even for you !"' Intendant was staggered by th Vehemence of Cadet, and impressed by
the force of his remark. It was
hard to sit down quietly and condone such a crime, but he saw clearly th danger of pushing inquiry in any d
rection without turning suspicion up
on himself. He boiled with indigna on himself. He boiled with indigna-
tion. He fumed and swore worse than his want when angry, but Ca-
det hooked on quietly, smoking his
pipe, waiting for the storm to calm own. $\begin{aligned} & \text { You were never in a woman's } \\ & \text { clutches so tight before. } 1 \text { bigot," con- } \\ & \text { tinued Cadet. }\end{aligned}$ If sou let La Pompadour suspect one hair of your head in this matter, she will spin a cart
rope out of it that will drag you to rope out of it that, "'Ill drag you
the Place de Greve.
" Reason tells me that what yo say is true, Cadet," replied Bigot,
gloomily.
" To be sure ; but is not Angelique " To be sure; but is not Angelique
a clever with to bind Francis Bigot
neck

down "' Cadet's cool comments drove Bigot beside himself. "I will not stant "

$\qquad$
$\square$ mot to marry her in the end : 1 would
marry her myself, if you do not. only
I should be airaid to sleer nimhts might b
morning
boter day for it, far enough off to cover all
the time to be taken up in the search after Caroline.
exclaimed will never marry her, Cadet!", "but will make her regret all her life that she did not "A Take care, Bigot! It is dan-
terous playing
with gerous playing with fire You
don't half know Angelique." nuts out of the fire for me with her pretty ${ }^{\text {fingers, }}$ until she burn
them," remarked Bigot, gruffly them, remarked igot, gruffy. far !
" I would not trust her too fall
In all seriousness, you have but the In all seriousness, you have but the
choice of two things, Bigot marry
her or send her to the Convent," her or send her to the Convent."
"I would not do the one, and I could not do the other, Cadet,"' was
Bigot's prompt reply to this suggestion. . Tut: Mere Migeon de la Nativite will Tut: Mespect your lettre de cachet, and provide a close, comfortable cell
for this pretty penitent in the Ursu". Not she! Mere Migeon gave me one of her parlor-lectures once, and
care not for another. Egad, Cadet she made me the nearest of being
ashamed of Francois Bigot of any one I ever listened to ! Could you back, her pale wace still paler with
hath her ver thrown indignation, her black eyes lookin
still blacker beneath the while fille gue, Cadet: Well, I withdrew my proposal, and felt myself rathe
cheapened in the presence of Mer Migeon." "A hear she is a clipper when she gets a sinner yy mane to her
was the propal you made
Bigot?" asked Cadet. smiling. as if he knew, it was not worth a livre to proposed to send a truant damsel t.
the Convent to repent of my fault.
that was all! 1que I could neve
dispose of Angelique in that way,
continued the Intendant, with shrug. "Figad! she will fool any man her : But I would try Mere Migeo this, wild filly and nail her tongur It is useless trying. They know the time of a neuvaine. Thes
$\qquad$
$\qquad$
$\qquad$

Would You?
Would you buy 40 to 60 milk pails just because someone with pails to sell said you needed that many to milk a
cow ? Certainly not! cow? Certainly not!
Would you buy or bother with an
old style cream separator, with 40 to old style cream separator, with 40 to
60 disks in the bowl, just because TRE
oxir

## cimy

 kind of
chine to
said
ne e e d
disks?
think not!

Bow Best Cream Separators-and have no con-
traptions. Twice the skimming force. FastCraptions. Twice the skimming orcc. Fast
est, cleanest skimming. Easiest running
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 common separators every y yar than any one
maker of such machinescelll. Themanuan
ald


$\qquad$ yrs
not needed
write for
tie sharpies separator co


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Larese slome collarat Laska SAble.
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ble Garment.

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ches with Best Qual. Muskrat,for $\$ 45.0$ or.

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| JOHN MCKAY |
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of Provence of Provence
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rat streams them drapp
amid the cro amid the cro
pressed upon that was quarters of
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siscovery ing her to a
ject out of By impos
nimself in th touching enghe he
whopicion suspicion
murder. was a confe writing pic cure from but how
quisition who knew h
inanoir was

dectember 23, 1909
 not herself.
" Our greatest danger, Cadet, lies
(here!. continued the "Our greatest danger, Cadet, lies
there continued the Intendant,
stopping in his walk and turning sudstopping in his walk and turning sud
denty to his friend $\quad$ La Corne St. suoned by the (iovernor to commis
that girch for
they will not leave stone unturned, a corner unransacked
in New France. They will find out
in through the Hurons and my own
servants that a woman has been conservants that a woman has been con-
cealed in Beaumanoir. The. will suspect, if they do not discover who
she was. They will not find her on
fearth-they will look for her under the earth And, by sor her Maur ! it
nuake me quake to think of it, Ca
thet det. for the discovery will be utte
ruin! They may at last dig up her teau! As you said, the lastile and

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colonial.

> Shentack Manning 20th Century Piano

Sherlock-Manning Organ Co.,

## How We <br> Preserve the

## Beautiful Tone

When you invest your good money in a piano, it is well to be sure that adequate steps have been taken to preserve the tone.

The Sherlock-Manning is solidly constructed of the highest-grade materials. It has FULL iron plate, whereas many pianos have only a three-quarter-plate.
Around each tuning pin there is a wooden sagying.

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Dairymen's Association of Western Ontario A3RD ANIUAL CONVENIION AND WINTER DAIRY EXHIBITION T. Thomas wedmesday and thursday, january i2th, I3Th, 1910. peducad pates on all bailboaus.


Don’t Buy Any Wire Fence Till You Know It Will Last and Give Good Service for Years

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| care in regard to the quatity of wire | TEST, "as compared with American or or | samples of this wire, and give you full |
| particulars as to how you may test it, |  |  |

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 $\mathrm{C}^{\text {HOICE White }}$ W Sandotte cockererls．Bred from hode Island Reds，crcherels and pullets，both cumbs．
lez McTavish，Chesley．Ontari $\mathrm{C}^{\text {HOIIEE Barred Plymouth Rock occkerels for sale，}}$

 $\mathbf{W}^{\text {HITE }}$ Molland turkey for sale．Mary Caldwell，Gilchrist，Ontario．$\$ 3.00$ $2 \begin{gathered}\text { INCUBATORS，practically neww．for sale cheap．} \\ \text { Write for particulars．Ly．R．Guild，Box } 16 .\end{gathered}$

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The Bradley Co．，Hamilton．Ontarlo．


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sizes．Imperial Waste \＆Metal Co．， 13 Queen St．．
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robe or f fur coat．or have ank kind of hides．skiss
oo furs yountint


 telling all apout worm in dogs on roceipt of prital
DR．CECIL FRENCH，WASHINGTON，
0

## GOSSIP

Reserve for grand championship in the
beef－cattle department of the Ontario
beef－cattle department of the Ontario
Winter Fair，was Kruger，the two－year Winter Fair，was Kruger，the two－year－
old steer by Archer，exhibited by Jos．
Stone，Saintfield，Ont．This is the steer old steer by Archer，exhite This is the steer
Stone，Saintifeld，ont．Tris．
that won the Shorthorn grade champiôn－ that won the
ship special．

Sale dates Claimed Dec．30th．－J．W．
Ont．；Holsteins． Dec．31st．－F
Holsteins． Feb．2nd and 3rd，1910．－Combination Shorthorn Sale，Union Stock－yards
West Toronto，Ont． March 9th，1910．－Arthur Johnston， Green．
sale．
Official records of 154 Holstein－Friesia Otficial records of 154 Holstein－Friesian
cows were accepted by the American Hol－
stein stein Association，from November 19th
to December 4th，1909．This herd of 154 animals，of which one－third were full－
aged cows，produced in seven consecutive
days 61.904 lbs．of milk，containing 2 days 61,904 lbs．of milk，containing an average of 3.39 per cent．Rat．Eac
animal produced an average of 402 lbs ． of milk，containing 13.632 lbs ．of butter Cat；equivalent to 57.4 lbs ．or 27 l quarts
of milk per day，and 15.9 lbs．of the best commercial butter per week．
At the Maritime Winter Fair in Am－
herst，N．S．，the champion cow in the herst，N．S．，the champion cow in the dairy test was Maple Grove Louise，
Holstein，belonging to Logan Bros which，in two days，yielded 133.8 pound
of 4.5 －per－cent．milk，making a score o 171.47 points，the highest ever achieved
at this fair．The second－prize cow shown by R．L．Hicks，gave 148 pound of milk，and made 168.65 points．Las
year＇s grand champion，a grade exhibite by W．W．Black，though scoring 14 ，
points，or 12 ahead of last year＇s per formance，had this time to be content
with fifth place on the list．

Riverside holstein sale．
Holstein breeders，dairymen，and farn
ers generally，will do well to keep in
mind the great sale of registered Hol steins，property of J．W．Richardson，of
Caledonia，Ont．，to take place at his
 Holsteins， 28 females and 17 bulls will be sold．This，as the catalogue shows
is one of the strongest herds of Holsteins
in Canadn in Canada，from the standpoint of officia
records of milk production in the animal included，and in their immediate ances tors，und this sale affords a rare oppor
cunity to secure breeding stock of th
highest－class highest－class quality to found o
strengthen a herd．There are in strengthen a herd．There are in
cluded 18 heifers two years otd or under
making one of the choicest lots eve offered．For particulars of breeding an December 16th，page 2017，and the adve
tisement in this issue． Sheme and swinl：AT SMITHFIELI
At th．Smithfield Fat－stock Show，it the sheep section，the Long－wool cham
pionship for pen of three went to S．F
Dean \＆Sons＇I．incoln lumbs，and eeserve pen for that honor were Devor
qumbs，wimning over Henry Dudding＇s hampionship，went to Jo short－woo
 a pen of 10 －months－olld wethers，and the
King＇s 21 －tuonths－old yearling wether
were reserve．Sir Richard Cooper wor he championship for shropshires wo whith
 ampionship，went to Enylish The bicesturs In the swine section there was a fine


## DARYMEN＇S CONYENTIOM！

## Eastern Ontario

 Dairymen＇sAssociation
シアコーエロ『エ゙せエコ Wednesday，Thursday and Friday， JANUARY 5th，6th，7th， 1910.
S．me of the greatest authoritites on dairying
in America will address the convention． in America will address the convention．
The public àre respectully requested to attend． SPECLAL RAILWAY RATES J．R．DARG IVEL，M．L．A．，President．ELGIN．
R．G．MURPHY，Secretary，BRUCKVILLE．

## QUESTIONS AND ANSWERS

 1st．－Questions arked by bona－fide，sub－scribers to ${ }^{\text {The }}$ Farmer＇s Advocate＂are scribers to＂＇The Farmer＇s Advocate
answered in this oppartment free．
2nd．

 omms especially must bo fully and clearry
tated，otherwise satisfactory replies can
ot be given． not be given．reply by mail it required
4th．When a
to urgent vetrinary or legal enquiries，
$\$ 1.00$ must be enclosed． lo urgent veterinary or
$\$ 1.00$ must be enclosed．

## Miscellaneous

ABORTION AMONG COWS
$\qquad$ ast winter，both with farmers who
leding silage，and those who were eeding it．It has commenced again th as the cows are thearty of any cause，
kind well，
Kindly state probable cause，and the ties neans of prevention cause，and the thest
Ans．－The probability is
J．L． Ans．－The probability is that these a
cases of contagious abortion，which m，
be due to a cow being purchased fro
an aborting herd，or that has ween bra to aborting herd，or that has been bred ing cows，as it is the decided opinion of scientists that the germs of the disea
find their way into the uterus via t
vulva and vagina from contact with a ected animals or their discharges． entive measures are repeated thorough
disinfecting of the floors of the stable 1． hind the cows，and the washing of the
renitals with disinfectants；also the fell ing or drenching of exposed animals with
arbolic acid diluted with water．When
 ay for two weeks．This treatment
sially begun about two monthy at ecoming pregnant，and repeated at in
ervals of two or three weeks until th
ast munth of pregnancy．Some write here the c

Veterinary indigestion

GOSSIP


Utility Poultry Awards

|  |
| :---: |
| $\rightarrow 1$ ，John Pringle，London； 2 and 5 ， 1 |
|  |  |

oronto；4，John Gormley，Pickering．
Hens－1 and 4．Jotm Pringle，Londo


Cos．Andrew，Pickering．
Cockerels－1， 2,4 and 9 ，I．K．Millard Mndas；3，John Gormley，Pickering；
John Bedord，Toronto；6，John Fringle
 1．K．Millard；3，Hugh A．Rose，W． F．Holden，Toronto．
WHITF PLYMOUTH ROCKS－Cock
$\qquad$
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WHEN WRITING ADVERTISERS, PLEASE MENTION "ADVOCATE

## BARGAIN COUNTER IN Agricultural Books.

We have a limited number of standard books on various agricultural subjects, as listed below, which we will sell at re-
duced prices while they last in order to clear out surplus stock.

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Intending purchasers would do well to see them before buying. Prices moderate.
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Brookiin, G. T. R.
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ORMSBY GRANGE STOCK FARM, Ormstown, P.Q.

Clydesdales, Percherons and French Coachers


and 3, Wm. Cadman, Dereham Centre;
2, Henderson \& Dillings, St. Mary's.
HHens-1 and 2, Henderson \& Billings; 3,
Miss F. Davidson, Collingwood; 4, Wm.
Cadman, London.
Cockerels-1, C. H. Wilson; 2 and 4,
Henderson \& Billings; 3, Wm. Cadman,
Dereham Centre.
Pullets-1, Henderson \& Billings; 2, R.
M. Paterson, Agincourt; 3, C. H. Wil-
son; 4, Miss E. Davidson.
BUFF LEGGHORNS.-Cocks-1, C. H.
Tovell, Galt; 2, R. B. Graham, Galt; 3,
Nate K., Cornwall, Thamesville.
Hens-1, C. H. Tovell; 2, N. K. Corn-
Wall.
Cockerels-1, R. B. Graham; 2, C. H. Cockerels-1, R. B. Graham; 2, C. H.
Tovell, 3, N. K. Cornwall.
Pullets-1, 2 and 3, R. B. Graham; 4, N. K. Cornwall. S.-C. BLACK MINORCAS.-Cocks-1
and 2, T. A. Faulds; 3, R. Smith, Lamb-
ton Mills: 4. Chas. Gorvett, Sparta. ton Mills; 4, Chas. Gorvet, sparta.
Hens-1, R. Smith; 2, 3 and 4, Hen
Dunne, Toronto; 5, T. A. Faulds. Dunne, Toronto; 5, T. A. Faulds.
Cockerels-1 and 3, T. A. Faulds; Cockerels-1 and 3, T. A. Faulds; 2,
Henry Dunne; 4, A. Goebel, Mitchell; 5,
Henry Dunne. Henry Dunne.
Pullets-1 and 4, Henry Dunne; 2 and 3 ,
T. A. Faulds , 5, R. Smith.
R.--C. BLACK MINORCAS.-Cocks-1, R.-C. BLACK MINORCAS,-Cocks-1,
B. J. Mount joy, London; 2, Dr. J. N.
MacRae, Gatt; 3, T. A. Faulds.
Hens-1, Dr. J. M. MacRae; 2, T. A.
Faulds; 3, Ross Swartout, Newport. Faulds; 3, Ross Swartout, Newport.
Cockerels-1 and 2, Dr. J. N. MacRae;
3, T. A. Faulds; 4, Ross Swartout. Pullets-1, Dr. J. N. MacRae; 2, Ross
Swartout; 3, T. A. Faulds; 4, F. R.
Fisher, Newmarket.
WHITE MINORCAS.-1, A. C. Moyer, Fisher, Newmarket.
WHITE MINORCAS.-1, A. C. Moyer,
Watelioo; 2, Thos Vickers, Owen Sound
Hens-1 and 2, A. C. Moyer; 3, Thos. Hens-1 and 2, A. C. Moyer; 3, Thos.
Vickers.
Cockerels-1 and 2, A. C. Moyer; 3 ,
$\begin{aligned} & \text { Thos. Vickers. } \\ & \text { Pullets-1 and 2, A. C. Moyer; 3, Thos. }\end{aligned}$
vicher
 Guelph; 3, Geo. I. Howard, Guelph.
Hens-1 and 2, H. V. Cosh; 3, Adolph
$\begin{aligned} & \text { Smith, Guelph. } \\ & \text { Cockerels-1 and }\end{aligned}$ 2, H. V. Cosh; 3,
 Howard.
HOUDANS.-Cocks-1 and 3, G. \& J.
Bogue; 2, E. O. Penwarden, St. Thomas.
Hens-1, E. P. Doncaster, Bowmanville: Hens-1, E. P. Doncaster, Bowmanville,
2, E. O. Penwarden; 3. Wm. Phenix, St.
Thomas; 4, J. M. Thorpe, London. Thomas; 4, J. M. Thorpe, London.
Cockerels-1, C. Day, Highgate; 2 and
3, G. \& J. Bogue; 4, E. P. Doncaster. 3, G. \& M. Wogue;
Pullets-1, Wm. Phenix; 2 and 3, G. \&
J. Bogue, 4, C. Day.
INDIAN GAMES, ANY VARIETY.-
Cocks-1, Nathan Topping, Tambling's Cocks-1, Nathan Topping, Tambling's
Corners; 2, Cecil H. Earl, Mitton; 3, John
Crawford \& Sons, Mitchell.
 Andrew
Cockerels-1, Will Casey, Mitchell;
C
H Earl
3, John Handley, (Galt.



Hens-1 and 2, R. Oke; 3, Wm. Carter.
Cockerels -1 , Wm. Carter; 2, G. \& J.
 $\underset{\substack{\text { Pullet } \\ \text { Oke. } \\ \text { BLAC }}}{\text { BL }}$
Oke.
BLACK hamburgs.-Cocks -1 and $: ~$ Fred D. King, Aylmer
Wheadon Hens-1 and 2, R. L. Wheadon; 3, Jat Baptie.
Cockerels-1 and 2, R. L. Wheadon;
R. Oke. R. Oke.
Pullets-1 and 3, R. L. Wheadon: : Turkeys.
BRONZE ( 2 years and up).-Cocks-1 W. J. Bell, Angus; 2, Jas. Baptie;
Chas. Gould, Gilencoe; 4, D. Douglas Chas. Gould, Gilencoe; 4, D. Douglas a
Sons, Mitchelli; 5, W. E. Wright, Glan Hens-1, Jas. Ford \& Son, Drumquin 2 and 4, W. J. Berl; 3, T. J. Cole, Bow
manville; 5, w. E. Wright. manville; 5, W. E. Wright.
BRONZE
(under
2 years).-CocksT. J. Cole, Bowmanville; 2, W. W. J. Bell.
3, Jas. Ford \& Son, Drumquin; 4, W. 3, Jas. Ford \& Son, Drumquin; 4, W.
Wright; 5. F. Wales.
Hens-1, Allred C. Crane, Guelph. Hens-1, Alfred C. Crane, Guelph;
A. Mc-a
M. W. Ball \& Son, Milton West; 3 an 5. W. J. Bell; ${ }^{4}$, Jas. Ford \& Son.
Cockerels-1, A. McDougall \& Son;
and 3, Chas. Gould. 4 W

$\qquad$WHITE TURKEYS.-Cocks-1, Gen
Baker, Simcoe; 2, A. McDougall \& SolLuxton.
Hens 1 and 2, Baker 13ros.; 3, A. Ma


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QUESTIONS AND ANSWERS Miscellaneous.

## 22 Imp. Clydesdale Stallions



Just landed, ages from 2 to 5 years old.
A number of them are premium horses. Several are over the ton, or will make it
A number of them are grandsons of
Baron's Pride. All are for sale. Prices Baron's Pride. All are for sale. Prices
are reasonable. Intending purchasers will find it to their interest to see these
horses before purchasing. Farm two
0. SORBY, Guelph, Ont

20 Imp . Percheroron Stallions 20
Our 1909 importation of 20 Percheron stallions, from
5 years of age, are now in our stables. Up to over a to 5 years of age, are now in our stables. Up to over a
in weight. Big, stylish, choke-full of flashy quality, ton in weight. Big, stylish, choke-full of flashy quality,
and faultess movers. Prize winners among them. The and lot ever imported to Canada. All are for sale on

HAMILTON \& HAWTHORNE, imcoe,

Ontario

union
stock-yards Horse Exchange west TORONTO, CANADA.
The Greatest Wholesale and Retail
Horre Commission Market.
Auction sales ef Horres. Carriages, Harness, etc., every
Monday and Wednessay. Horses and harness on hand
For private sale every day,
The largest best enipped and most sanitary stables in Canada. Half-mile eoq raippeay loading chot shates at slable door.


WILLOWDALE CLYDESDALES
are from such sires as Baron's Pride, Up-to-Time, Bene dict, etc. Nole. At Great Eastern Exhibition seven entrie took six firsts, two seconds, gNNOXVILLE, QUE
T. H. HASSARD'S NEW IMPORTATION!


Clydesdale Stallions and Fillies are now in my stables at Markham, Ont, and, as usual, I I have a big range for
selection, of selection, of a type, breoding and quality seldom equalied, never a
provious importaion. Calt
and T. H. HASSARD, Mar Kham, Ont. Clydesdales and Percherons
 Weston, Ont., Thave my tha crer, faultess underpinning, choice quality and brecing.
a lot that ort rue daft charent
were never surpassed. Terms to suit and prices right. J.B. Hogate, Weston,

 $\qquad$
MY NEW IMPORTATIO
 In my new importation of 4 Clydesdale stallions and 6 Clydesdale FIllies,
 Hoported Clydesclales wish to thank my many customers for their patronage the nes to select the best available. cep an eye out for my ant CLYDESDALES
 CLYDESDALES and HACKNEYS Nater
 hicucuss French Coach, Hackney and HIGH-CLASS Clydesdale Stallions. nener m douglas. imported Cilydesdales



THE "MAPLES" HEREFORDS
 Canada's Greatent Show Herd. For Sale: 25 bullis from to $\mathbf{1 8}$
monthoo age, brod from importod
and boow stock; aloo about the
 W. H. HUNTER,

Balmedic Polled Anowes and Oxford Dow

 P. O. and station:

Homestead Aberdeen-Angus
 Whould write, or come \&nd sece them Long-distance Phone
Aberdeen-Angus Cattle ${ }_{\text {- }}^{\text {- Stock all ages }}$ good strains, at reazonable prices. Apply to
ANDREW DINSMORE, UGrape Granse" Farm
Glarksburg. Ont.
ABERDEEN - ANGUS
Will sell both sexes; fair prices. Come and see
them before buying. Drumbo station. WALTER HALL, Washington, Ont. ss54-Maple Lodge Stock Farm-1909 8horthorm bulls and helfers of extras
gunlity and breding, and from beat milk-
ing atruind ing strains.
Lelcesters of first quality for sale. Can
furninh show focke.
A. W. sMITH. Maple Lodge P. Lu., Onterie

HIGH-CLASS SHORTHORNS
 geo. gier grand valley p. io and sta.

JOHN GARDHOUSE \& SONS



Geo. D. Fletcher, Bink ham P.O. Ont horn bulls. 10 . 13 and 18 months oldd. with both


GOSSIP
$\qquad$
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$\qquad$
$\qquad$ Lump on heifer I have a heifer coming three years old
giving milk, that has six small, hard lumps about the size of a hickory-nut, two on her side, two on her back, and one on
her shoulder. They have her shoulder. They have been there
some time, but do not seem to get any larger. Is her milk fit for use? D you think to take them off? She is hein then seems well other ways.
Ans,-The heifer, being in apparen good health, we think her milk may bo
quite safely used for food. Probably th application of iodine ointment, first clip ping the hair from the parts, will reduce.
and, perhaps, quite disperse the lumps. Apply the ointment every other day for a week. Lime for Land.
$\qquad$
$\qquad$
applying it
4. Would land plaster answer as well and where could it be purchased an old subscriber In the fall, or early in spring.
y bushels of fresh lime per acre is abundance.
3. Allow it to become air slacked, and then spread evenly.
4. Land plaster, although containing
calcium, is not the same as lime, either compusition or action. On virgin
5. 1'hosphorus is the important ferti-
lizing element in bone manures. in raw
ook phosphates, in acid phosuhato
$\qquad$

SORE MOUTH IN PIG.
I have a pig eight months old that
was getting ready to kill, and for
couple of woeks bach, it has refused
spit
wr
oiled feed, such as mangels, upples a
fimpkins, mixed with ont chon shof
Ans.-From your description, we would
ay the pig was sulfering from simple
anfammation of the momth. Solt food,
not requiring much chewine is best
while the trould. lasth. It is not con
CEMENT FLOORS.
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## PURITY FLOUR

## And Its Keeping Qualities

S
OME people find it necessary to buy a considerable quantity of flour at one time-sufficient to last for a long period. Naturally they are anxious to procure a flour of the kind bes adapted to lengthy storage.

There are two important reasons why PURITY FLOUR possesses these qualities. One is that it is made entirely from Manitoba Hard Wheat. The other lies in the fact that the careful milling necessary to produce "Purity" absolutely excludes all low-grade particles of the wheat berry. It's the high grade Manitoba Hard Wheat Flour that keeps-stands longest storage. That's "Purity.

"Purity" flour may cost a little more but is more than worth the difference. Try it. Watch results both for qualit and yield.
"More Bread and better Bread"

Western Canada Flour Mills Co., Lumited Mills at Winnipeg, Goderich, Brandon
 I am a woman, I have found the cure. charge, my home trean
I Lill wail, rre of any chations to any sufferer fro women's ailments I Want to tell all womemer from
this coure - wout, my reader for











 Wherever you live, I can refer you to ladies of your own locality who know and will lladidy
 MRS. M. SUMMERS, Bож M., 821 .

ARTHUR JOHNSTON, GREENWOOD, ONT.


Offers for sale 12 YOUNG BULLS, as well bred and as attractive Arthur Johnston, Greenwood IP.Oant Claremont Station.

FEW YOUNG BULLS and 20 YOUNG COWS and HEIFERS COMPOSE OUR LIST FOR PRIVATE SALE J. A. WATT, SALEM, ONTARIO. ELORA STATION, G. T. R. AND CL. P. R R
$\qquad$
VALLEY HOME SHORTHORNS AND BERKSHIRES
OR SALE: Three show bulls and five chocicly -rred pure Scotch bulls of extra good

## Meadow Lawn Shorthorns <br> FOR SALIE OR HEXCHANGE

 P. O. B

SHOR Berkshires,
 coss fron 3
wolds or Berke Chas. E. Ben


IT PAYS
U-BAR STANCHIONS and ACORN COW BOWLS cout many ine ove by wivi aerin thit





The Metal Shingle \& Siding Co., Limited,
preston,ont. montreal.,que.

SHORTHORN Berkshires, Cotswolds

 Chas. E. Bennct astle


GLENGOW Shorthorns Have two excellent buls left yet, both about ter
months old and good enoubh for any herd alaso
number of choice heifers, all ages. For particulat Wm. Smilth, Columbus, Ont

## 275 BURLINGTON SHORTHORNS 275

 4 IMPORTED SCOTCH SHORT- $4 \quad 12$ BULL CALVES. 9 TO 16 I2 Quaity, pedigree and prices will please you. Farm
FRED. BRNETTM Manager. J. F. MITCHLL
BURLINGTON, ONT.

## SHORTHORN BULLS

## an supply females of all ages. Farms close to Burlington Jct., G. T. R W. G. PETTIT \& SONS, FREEMAN, ONT

NVERNESS SHORTHORNS $\mid$ Imp. Scotch Shorthorns ${ }_{\text {in }}^{- \text {When } \text { for Shoort. }}$

 Maple Leaf Shires, Shorthorns, Hampshire Hogs



Geo. Amos \& Sons, moffat, ontario
 . Edward Meye P. O. Box 378, Guelph, Ont.,


30 HEIFERS AND 29 BULLS
H. CARGILL \& SON, CARGILL,ONT.

SHORTHORNS

Shorthorn Cattle and lincoln shee

[^2]
## QUESTIONS AND ANSWERS

 Miscellaneous.black-head in turkeys. will you kindly let me know what is the matter with turkeys when they get
delicate at this time of year; will not eat anything, seem to get blind, pass yellow matter, and die in about a week
time.
old SUBSCRIBER. Mount st. Patrick, Ont. Ans.-The yellow droppings and death Cate the disease commonly called "Black-
head." if a post-mortem examination is made, the liver will likely be found to be covered with yellowish-white spots
a starry character, and somewhat en

 as I surmisee, I would recoumend sillin more turveys tor at and not rast two years, any
three would be sater. The pers. can furnish a sure cure for this disenhe we
has a small fortune within his grasp. Whk that two or three years griasp. limi-
plank frame barn on ceMENT FOUNDATION. Cing bive bill of material needed to be 60 feet lonnet hingh, size of barn
fecet wide, and $18-$ Is a roof which is fat on to
urper part of hip roof) any better than Ans, -1 . The concrete wall, 12 inches
hick, with 24 -inch footing, 12 inches ed 8 to 1 , with 52 yarrals gravel; ant or an Amprican plank-trame to suit inl will to the following me s. sils, $2 \times 8 \times 12$.
on sills. $1 \times 8 \times 12$.
sills, $2 \times 6 \times 12.2$

$\qquad$
2 spicers sor same, $2 \times 1$
${ }_{4}^{4}$ end posts, $5 \times 6 \times 18$ purline posts, $2 \times 8 \times 30$
${ }_{2}^{2}$ root supports, $2 \times 10 \times 28$.
24 stays, $2 \times 4 \times 3.3$.


2




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s
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## "Bronchitis."

THE SYMPTOMS ARE
Tightness across the Chest, Sharp Pains and a Difficulty in Breathing, a Secretionof Thick Phlegm, at first white but later of a greenish or yellowish color coming from the bronchial tubes when coughing, especially the first thing in the morning.
Bronchitis is generally the result of a
cold caused by exposure collement weather and when neglected will become chronic.
Chronic Bronchitis is one of the most general causes of Consumption. Cure the first symptoms of Bronchitis by the use
of Dr. Wood's Norway Pine Syrup + $\rightarrow$ - + Miss Mar Bour
 + Cured. $+\begin{aligned} & \text { spre., writes: Las } \\ & \text { \& }\end{aligned}$ $\rightarrow \uparrow \uparrow \uparrow \uparrow \uparrow \downarrow$ poorly, had a bad sleep, and was tired all the time. 1 could had bronchitis, and advised me to give up teaching. I tried alm ost everything but aone of the medicines gave me any relief.
One of my friends advised me to try Dr Wood's Norway Pine Syrup. 1 had scarcely taken the first bottle when 1 began to get better and when I had taken
the fourth bottle I felt as well as ever cough had left me and I could sleep well.' Dr. Wood's is the original Pine Syrup. it is put up trees the trade mark wad er, three 25 cents. There are many imitations of "Dr. Wood's" so be sure you receive the genuine when you ask for it. Manufactured only by The T. Milburn

## ELECTRO BALM

 ECZEMAso Piles, Burns, Scalas, Bores, Chapped Hands and Face. Write for sample and dinlers, of The Flectric bean Cabmical

Maple Grange Shorthorns




Spring Valley Shorthorns. Herd headed by Clipper Chief (imp.) $=61220=$
(94633). If you want to get an imported bull. or tood Cranadian-bred one to head your herd, be bure
and trie, or come and see them. Long ditance
nelephone.
 Clover Dell Shorthorns
 AKELY, BOLTON. ONT.

## High-class Scotch Shorthorns

 elf things among them. Arso one two yearrold


SHORTHORNS $\begin{gathered}\text { for } \\ \text { sale ale ale } \\ \text { a } \\ \text { number of females of of }\end{gathered}$
 HUGH THOMSON, Box 556. ST MAR''S. ONT Shorthorns and Leicesters ${ }^{- \text {A }}$ number of



DISPERSION SALE Holstein-F riesian Cattle
To be held on Beaver meadow stock FRIDAY, DEC. 3Ist, 1909 21 head - 5 .ulls. $1 \mathbf{1}$ females. Bred from noted
strains. and for resuls its ibuiling up a herd that
bad to show profts at the pail ommence at 2 o'clock
Terms: All sums. $\$ 25$ and under. cash. Over
that ammunt, 10 months credit on approved paper 7 per cent. per

| ep. 「. Class, <br> R. B. MAR <br> ELMIRA, ON |
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PILES CURED at HOME by New Absorption Method. If you suffer from bleeding,
itching, blind or protruding Piles, send me your address, and I wilf at home by the absorption seatment; and will also send some of this home treatment froe for trial, with references quested. Immediate relief and permanent cure assured. Send
no money, but tell others of
this offer. Write to day to Mrs M. Summers, Box 821 Windsor, Ont.


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Toronto. J. Cliff, Manager
Brampion Jerseys Canada s greatest Jersey herd offers for sale
choice buller about mot moths old also some
younger ones. and one two-year-old. Females of B. H. BULL \& SON. BRAMPTON, ONT

Mr. A J. Hickman

 WOODBINE STOCK FARM N
$\qquad$ For Sale pigs Molstein bulls irom ramwirth Brart:" 1 Howriv, The Gully po.. ont Please Wention Farmer's Advocate

GOSSIP.
The champion pair of pigs at the
Birmingham Fat-stock Show were the
Earl of Ellesmere's Yo weight at the agmere's Yorkshires, whose was 552 lbs. each. At the auction sales of breeding cattle
held at Chicago the week of the Interhational Live-stock Show, contributed by various breeders, forty-ight head of
Herefords sold for an average of $\$ 191$; thirty-nine Galloways for an average of
\$145.40; sixty-three Aberdcen-Angus for an average of $\$ 248.95$, and fitty head of Shorthorns for an average of $\$ 294$. The highest price for a Hereford was $\$ 960$,
lor a Galloway $\$ 345$; for an AberdeenAngus $\$ 710$, and for a Shorthorn $\$ 1,500$, for Countess Selina 2nd, winner of third
award in two-year-old class at the International.
At a meeting of the executive of the
Canadian Clydesdale Horse Association Canadian Clydesdale Horse Association
held in Guelph during show week, the held in Guelph during show week, the
follow ing moneys were voted for prizes at the Manitoba Winter Fair, to be held
at Brandon. For best Clydes lion, imported, $\$ 50$; for Clydesdale stal
matt Clydesdale
mare, imported, $\$ 50$; for best Clydesdale mare, importca,
stallion, Canadian bred, $\$ 25$; for best
Clydesdale mare, Canadian bred, $\$ 25$; Clydesdale mare, Canadian bred, \$25; for
best Clydesdale mare or gelding shown
n line sired by Clydesdale on line sired by Clydesdale stastion retis-
tered in the Canadian Clydesdale Stud-
book, $\$ 25$; for best team sired by Clydesdale stallion registered in Canadian
Clydesdale Studbook, 825 . This is an advance
$\$ 100$.

market on December 6th. The shipment Was made by A. Squires, of Sunny Slope,
Alberta, and included steers and cows, buerta, and included steers and cows,
bulk being steers. The sales, which were made by
follows:
$\qquad$ Ollows: The 21 head, $\$ 96.36 ; 41$ head, The cattle were $\$ 71.76 ; 13$ cows, $\$ 56.53$. ed and dehorned. They had been grassed
all season, and were given just enough oats and hay last winter to keep them in
a thrifty and growing condition while

anadian steers would likely have tone

MAPle leaf berkshires The splendid quality and marked is
Lenement in Back typhe of the Maple
Law ine the property of Joshua

hown a most wonderful power of d
eminating uniformity and excellence

fur first prizes. In exactly the sar
rood sows, all cither imported or havin
upported sire and dam. Put up

The Maples Holstein Herd
Recordo Headed by Lord Wayne Mechutide Callamity
Nothing for zate at Walburn Rtvers Folden's Cernars, Ont Holsteins- Maple Grove offers a New rictib
 also young stoct
ion and pricen
arite



 CRAMPTON, ONT ARIO

 Fairview Herd
 E. H. Dollar, Heuvelton, N. Y



Lakeview Holsteins $\begin{aligned} & \text { He d becadkd } \\ & \text { of Paughters averaging over } 30 \text { los } \\ & \text { buturer ine } 7 \text { ja }\end{aligned}$,

WORLD'SCHAMPIONBRED BULL | Maple CIen For ser

 M. L \& M. HI Haley. Serinsford. Untario

 AGAIN! E. \& F. MALLORY, Frankford, Ont.


High-class Holstens Hextof war mid Imperial Holsteins!



 Homenall wow brat



E. T. CARTER \& C.O. 84 Froat Sth Eatt, Toronto, ont

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Noan
OHo


de:chiber 23, 1909


paper. The purpose of this ofler is claimed to be the latest and best phonograph made. And you get to hear it under the very best conditions, right in
your own home. You can pick out your records in advance, and have your friends in and give a concert. F. K. Babson, Chonographs, says has sold that this methods of the phonograph more publicity than any other, and that he can well afford to give you this free loan just to have you Very likely some of your friends will Want to keep the phonograph on the re-
markable terms of only $\$ 2$ a month, or you yourself may decide to keep the
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can realize what it means. You will be astonisned at the life and vivacity and spirit that will permeate the entire house-
hold. The music of the old masters, the of the old masters, the a boy, the best sacred music, and the latest and brightest popular airs, vaudo-
ville turns, monologue hits-all these you can hear again and again, as often as you wish. Send for the free catalogue
and list of 1,500 Edison Gold Moulded and Amberol Records. Full particulars not send a letter; a postal will do, or the coupon of the advertisement that appears in this issue. Address: F. K.
Babson,
Edison Phonograph ors, Edison Block, Chicago, Ill

The Royal Agricultural Society's Show for 1910 will be held in the City of Liverpool. Already many liberal cash donations towards the prize list and
wealthy patrons have been received, and it is confidently expected that the show of 1910 will be one of the most
ful in the history of the Society.

## ARE YOU ONE OF THOSE WHO SUFFER

WITH BACK PAINS, WHOSE POWER IS WASTFD.
WEAK AND NERVOUS, AND AMBITIUN LOST?


Had Weak Back.
Would Often Lie in Bed For Days, Scarcely Able To


Mrs. Arch. Schnare, Black Point, N.B.
writes:- "For years I was troubled with writes:-"For years I was troubled with weak back. Oftentimes I have lain in myself, and I have also been a great sufferer while trying to perform my household duties. I had doctors attend-
ing me without avail and tried liniments ing me without avail and tried linimento me any good. I was about to give up in despair when my husband induced me to
try Doan's Kidney Pills, and after using two boxes I am now well and able to do my work. I am positive Doan's Kidney Pills are all that you claim for them, and them a fair trial." DOAN'S KIDNEY PILLS are a purely vegetable medicine, realizing quick, perA medicine that will absolutely cure Backache and all forms of Kidney and Bladde Disease.
Price, 50 cents per box, or 3 for $\$ 1.25$, , all dealers or The T. Milburn Co., Lim ted, Toronto, On
In ordering specify "Doan's."
A PERFECT HOG FOOD ou can save time an
money by feedig

Imperial Hog Food
The only exclusive hog food on the market. Once for bootlet

The Imperial Stock Food Co.

FAIRVIEW SHROPSMIRES OFFERED Sired by grand champions
Bred to grand champions
Every one bas proved d fine breede.
Excellent quality, predices are low
Send tor prices and circular
GPRING BANK OXFORDS
ORORS



THE FARMER'S ADVOCATE

$\qquad$
$\qquad$
new himportation of clydes-
O. Sorby, of Cuelph, Ont., has lately
landed at his stables a new importation
of seventen Clydestale stallions. One
is 11 years oldd two are 6 years old:
t:wo 5 years
$\qquad$
rrevious iupportations is a byword amony
Clydesdale fanciers from one end of the
country to the other. Outstanding
characteristise of this ot ar are thin ivig
size, their splendid flat bone, their well
sprung pasterns, Difg feet, and gilt-dged
breeding, the blood of Darnley, Prince o

 Finima, a brown, 1 y years of of ake san
by the Scotish Farmer to be the , in


, make good in his new heolt, and home in lnata -


AND COTSWOLDS.

JOHN MILLER, BROUGHAM, ONT.

BeWarm on Winter Drives Get a CLARK HEATER


Chicago flexible shaft Company, 610 LA SAlle ave., chicago

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drect exporter and manufacturer.

 $\begin{aligned} & \text { dale mares, and a few beautiful Welsh ponies } \\ & \text { will also be priced at attractive figures. }\end{aligned}$ Robert Miller, Stouffville, Ontario
SHROPSHIRES|Farnham 0xford Downs




MAPLE VILLA OXFORDS AND YORKSHIRES.







ne:ceniber 23, 1909
GOSSIP
As head for their splemplyt
Shorthorn cattle, Porter Bros,
by, Ont., have lately purr
bred bull, Henther King
the renowned Lovat's min
thick, mellow tull. impol
thick, mellow bull, imported ly the
Hon. John Dryden, and should profitablo investment, coupled will th high-class females of this herd

William Heap, of Manchester, Singlund
who judged the grade and croas steers and awnrded the grand championship in this departwent of the president of the National Federation of Meat Traders
Association, and is in very close ters Association, und is in very close towu)
with the live stock conditions of (Erean
Britain Britain, in an interviev, 1y the Live-stoch
Report, said: :Wo are face to tuce ton a bit shortage of home-rrown catule. The
class of beeves coming to market show decided deterioration in quality and con
dition from tormer y yars.
The resull hus been a great talling of in choice to prime
well-fatted bullocks. This decreass starte seven or eipht years ago. dive to the to com-
petition from the Unitiod Sut
 Many have ogne into the dairy bompetition businoss, and slanghter their calves at a very acars,
age, thus depleting the catulo herds ot
the country

 tarmers are ing hing own beet needs, our
petition sum strong com
from importations American drom importations of South
 ing grated, and the herds are rapidly be a surprisingly high


 But it seems impossille eror them to real
ize the gravity of the situet economic fact is, we are every day be
coming more and more dependent
 packers of the United States have been amone the first to see this deplorable
condition. Realizing that the United
States will he unalle to competo naint
 establishing or acyuiring slaughtering

[^3]
## mow (an cattle membres mak

Wany cattle mon just now are discouv and small returns. It is a serious prol)-
1.mon when prices on grain and millfeed It looks as though the feeder was "ul Wr teduring cost of production. Tw. anss demand, nuithor will it pay to use Is it posssible, then, to make a letter mater return ? hat a laren percentunge ow t.int throwh incompleto dikstiten 4. many man uson a tonic preparation whentains tome elloments, in strengt
 Whld wive it for any foud vature in "Is.t|
$\qquad$

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R. Man-of-the-house, do you half realize what toilsome drudgery it is for the women-folks to get the meals in your kitchen withnirt a Chatham Kitchen Cabinet? It is about as up-to-date as if you cultivated your crops entirely with the hoe, instead of the cultivator; as if you mowed your grain with a scythe, instead of a selfbinder; as if you threshed with a flail, instead of a threshing machine. You see to it that the farm work is done by modern methods, with labor-saving tools. Outfit your kitchen with this labor-saver-give the wife what rest and ease you can buy her,-kitchen work is hard enough wife what rest and ease you can buy her,-kitchen work is hard enough
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Look at It in the Picture S

How this advt. to your wife. Ask her what it would mean to have a cabinet that held everything used in cooking,-focussed the whole kitchen-battery in one spot, right in easy reach of a woman seated, instead of makifig that woman trot from pantry to cupboard, from cupboard to table, from pot-closet to range, back and forth a hundred times a day. The Chatham Cabinet saves, easily, five hundred steps a day in any kitchen; and the kitchen is easier kept tidy, gets rid of endless clutter, and the foodstuffs are kept in far better shape and of needless kitchen walking in while to save the women-folk 150 miles

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ET your wife see the picture here
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glane that it combines pantry, cup-
board, baking kit and kitchen table
all in one, and yet takes up less space
than the ordinary table alone Note
the large enclosed closet for kettles
and larger utensils, with the extra
shelf at back for sinaller pots, etc.
Shelf-rack across closet door hold.
six aluminized canisters, air-tight,
supplied free with Cabinet, as are
also six large canisters seen on table
section. See the big flour-bin at the
bottom, below the drawers- tlides
out on roller-bearings, has metal
bottom, is dust, fly and mouse proof,
and holds 75 pounds.

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[^2]:    CLYDESDALE
    AMES McARTHUR, Gobles, Ontario

[^3]:    TRADE TOPIC

