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Vol. XLIV.
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No. 899

## Here Are the Two Strongest Fence Locks Ever Made




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THE GALT ART METAL CO., LIMITE end Resina

Please Mention The Farmer's Advocate

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## 1

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The Favorite and the Best Value for the Money of Them All is

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NO. I DOUBLE ROOT CUTTER


## -Niagara Brandl Lime-Sulphur Spray <br> ANUFAOTURHD IN

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THERE IS A REASON WHY






hanuagiured in oanada

sprays. It is used by the most successful
several year worke
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NIAGARA BRAND SPRAY COMPANY, LTD., BURLINGTON, ONTARIO.

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EXCELS, NIAGARI SPRAY IS MSED.
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DURABILITY, ECONOMY
"LONDON"
GAS AND GASOLINE ENGINES Give you all. $\qquad$
Scott Machine Co., Ltd., London, Canada.



# The Farmer's Fdvocate 

 and Home Jragazine

EDITORIAL

| Young man on the fars, plan now to taek one of the ugricultural "ollyse short courses "nmer. It will do you grod. <br> Sot only do we need morer latoror on the labor must bo skililed $\qquad$ $\qquad$ $\qquad$ $\qquad$ <br> of Hairy cows and fattening cattle may be n Hu sable, if accompanied by a study of ven ton. sanitation and nutrition. $\qquad$ Whe of the encouraging signs oi the times thatio feeders is the strong demand and ad thu prices of beef cattle on the Toronto ma thontl expolters being absorbed for home |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Murs are closed. If you would open the covery "ant ical prollems connected with any occupation, tuan books and bulletins, and read up. Read -s hold of that which is mood, and, as rapidly means permit, put it into practice. There is
".thing lacking either in the brain or in the
$\qquad$ The potency of the epigram is all too little
heciated. Editors and writers frequently throw 1.teciated. Editors and writers frequently throw
"pigrammatical pointers, expressing universally aveded truisms. Sthen have a value, notwith inces, but its points atw An epigram epitomizes a truth and cinches the most famous successes have been made tpose fixed by thess. culphatic truths, conveyce
$\qquad$ Tht otherwise have forgotten or ignored.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
> okedness must the twe se ceral long lists o
> ouremsary, but, being mecessary, it is encouragin

ONDON ONTARIO, DECFMBER 16,1909 Fallacies in Support of Gambling. An antigambling bill has been introduced into
the "Iominion House of Commons by H. H. Miller,

Scientifle Education for the Farmer

## Last month, Archilbald MacNeilage delivered an

 address to the West of Scotland Agricultural College society, on "'Scientific Education for the Farmer."A mere list of the scientific problems enumerted, which the man who pursues mixed farming, II the world over, has to face, would nearly fil page. His success and profit are in direct ratio his scientinc knowleage, howe
skin with w. heros
Ife laid down and defended the propositions
This kind of edication must begin in the day hool. The child must be familiarized with naure. The rural school need not have a garden at things are right, there will be a departmentdrafted scheme, but a teacher in love with the work. The appointment of a town-bred man or woman as teacher in such school is only possible where the nim is to turn out clerks and typists. The student who comes to the agricultural college, without having been on the farm, is a hin arance. The details of trught on the farm.
An ngricultural college in a city is an incongruity. It should certainly be planted familiar country, and the routine of farm work.

The Young Man and the Fapm. Tpon the attitude to his work of the young man, whether son or hired help, on the firk fargely depend his satisfaction and success. Speaking from a lengthy and exemplary experience, and wider opportunities of observall, in wholesome ot of many, John campben, in the Christmas ricle on the boy and the farm, in the Christma Farmer's Advocate," brought to bear on the ubject a fulness of knowiedge one has but to counsel of great value. Indeed, one country life and onsider fairly the advantages of counr Campbell's the present outlook to realize that is sound, for the advice to remain on the farm is sound, He is well aware how the allurements of town life or well aware how the work out. He knows how speculative chang are unrealized. To farm well is a matter of knowledge and skilled application. It is not picked up in a day or a year, but every season spent aright on a farm adds so much value to the young man's capital of experience under chose conditions, as well as what he earns. ather or the employer does well to encourage libyoung man by consultation withful and efficien eral dealings, it her, if he wishes to advance and
work. The latter, work. The latter, should make it his daily aim win commenation, to promote the best interests of the farm. Not to promote the how little can I manage to get through the with how rather how well and how much can I day, but rather htrusted with the care of stock or property, it becomes, in a sense, that of the Ouny man himself, for the time being. How can best care for it? should be his question. He should determine that the horses and harness will he in spick, span order when they go upon cows, road. If he is caring for a herd of daition should or fattening a bunc the best on the line or in the be to make them the charge, cobwebs will not accumulate about the walls or windows of the stable, cumulate aloout the littered with dirt. Tools and appliances he will keep in their proper places, and so plan his work as not only to do it well, but
$\qquad$

1994
THE FARMER'S ADVOCATE.
$\qquad$ Undoubtedly, during the 'good times,' the man who farms-the farmer-seems to gather things to-
gether the easiest. Much oi that is due, however, to the farmer's indifference and the ease with
which he spends his money: 1 am saying all this, because 1 would like to see you heading out for Sourself at the earliest mon
that working for someone anxiety. But it is the planning for oneself and anxiety as to the outcome, with more planning to insure success, that brings out whatever is eflecjust a horse. If you'll look around, you'll probis not on someone else's payroll. Ihon't have to whistle or bell too long. Read this a few times : let it sink into your brain. (iet going, my boy.


Stallion Syndicates.
$\overline{\text { pays to study, by every available means, the why }}$ and wherefore of each operation in the d
$\qquad$
$\qquad$
$\qquad$
of ten, he who does the
do the best for himself.
to recall that, while dollars are useful, dollars ure
fulness for others will do much to make the whedls
of life turn smoothly. The fathers, by reason of
advancing years, cannot toil as they once did, and it becomes the younger men to ratax somewhat the burdens of the oldel
the road of life, that there was gain, rather than
loss, in keeping a rein uion the restlessness of youth
for the sake of others $\qquad$
"Get Going, My Boy."
An Ontario farmer has three sons in the North the following $\qquad$
ing generally, there is nothing
one out of ten thousand
proportionately high
you could start oll
naty opportunities
cer fer rears.
$\qquad$

Care must be exercised in this handling that fet away from the dri, er, and that is why 1 hk that he could not get cery far if he should loose. I always find it wiry udvisathe to put in reing for this training through the shaft- tugs男
 the reins over his hips when they are through
rings on the bach-pad. Muring these lestons
 top und stand when! sis whon ! $\%$ to mov
 Training when woll learned to go aheald when told tud to stop andstand when told = and right here above all things, do not, "y a confusion of thes ter me mix or muddte the intellect of the colt
so that he doomst not hnow what you want him to do half of the time ans se sour terms yach one fo

 are strong, not likely to break, und ndapted to
purpose you are using it for. Ihad halits wry: readily acquired at this stage, if anythin
wows wrong and you are unable to control yout

 othinte any danger oi the coll striking the runner
with his foo while in motion or, if it be sum
mure mor, "t two whelled cart is preferred. 1 al ways
harnuss him in ord inary single harness, hitching him quite snug in the harness, "sturecially the breech
ing and side straps , using a istraight bit and an
 strak, fastened to the shatt, passed owe the colt.
hip. hips through thatt: this prevents him getting out t frequent drives at first. gradually increasing
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ hrow en shall when ans, a post or tree or single

 hat "Ill itritate the colt. Colts well trained hich yod youlte the presence of the other horse sondmethng antogether new and they seem very
can Wugon or implempent with a high pole, so that the
whinlletrees, or (Muss, cannot possibly touch them
on ar on or near, therir heers, mahing them also then hight in the harness to avooid any llackness of tugs tass turd Then, in turning at tirst double, al- It has here found anterercise is essential to experience is that firmess and common sense,
practiced from the first. without unduc whippint: trainer whu loves a well-mammered horse that all the comprensation he looks for it this be the result
of his training.
CIARK HAMLTMOX.

## LIVE STOCK.

## Feeding the Pig.

$\qquad$
$\qquad$ edde, will. on examination, ustully be found to ourled with long axperionce. (In comine into" stable, and looking it an animal, such a man will at a glance take note of a dozen things that
the uninitiated would scarcely see. even if they were pointed out to hilm-such things as the conbrightness or dullness of the eye, the pose of the unerringlv interperet the thrift, or lack of it, in the
$\qquad$
$\qquad$ a
$\qquad$ s the polnway from the colt for quite a while, best results. "For maximum and most economcolt showla show anse tendency in however, the ical production, it seems, absolutely necessary for meens
 mationts or anger or whipping of loud talk. and yestive functions. If pigy are changed from lots colt, piving it every, chance huve hundlod where they do not have so much, their feed must Many colts that wera almost spoiled, and by hind Me correspondingly reduced Hence, they will also
 will be times and cases where the use of the whip to a change, so that he will eat, digest and as-
is imperative to overcome a stubborn will : at simite the new ration, as well as the old one,
 Is the better course, if it can be worked at all. It was found profituble to have pigs on pasture. Although this may all siemn some trouble, the lis having accers to grass the pigs made better
xperiments conducted at the different experiment At the Agricultural Experiment Station at bars aro the purpose of which was to develop a hew feeding standard for swine. The work is not Completed yet, but circulars are issued from year o year showing the progress to date, and emlished. Thirteen experiments in all have been onducted, involving the use of 618 pigs. CircuNo. 133, published last month, has reached us, nd we

- lusions
 Best results are obtainced ii a pig under five or six months of age is not fed more than he can
fully make use, of. In order to limit the nutrients fully make use of In order to limit the nutrients
to the amount that the pig can most profitably to the amount that the pig can most profation
use, roughages may be introduced into the ration
at this time. These serve a double purpose : at this time. These serve a double purpose:
First, they satisfy the appetite of the pig: and, First, they satisfy the appetice of che pig and,
second, they have a tendency to increase his ca-
wacit. so that, later in life, when he otherwise second, they have a tendency to increase his ca-
pacity, so that, later in life, when he otherwise
would not eat so much as he could profitably see. he will be able to consume a larger quantity Ii nutrients. This is in accord with the practice the best Canadian hog-feeders, who make liberal ase of clover or alfalifa pasture in summer, and of Thera is no standard for the amount of mineral utrients required by the pig, and since the amount imineral matter in the soil, the water and food supplied, varies so greatly, it is necessary, in access to a number of mineral substances, so that he can supply himself according to his appetitea pretty safe guide. Salt, charcual, air-slaked hime, bone meal (the two latter particularly in
corn countries), wood ashes, clean soil, and softcoal cinders, should be placed where the pig can It has been noted that the amount of water that a pig required, in proportion to weight, less-
ens steadily until the close of the fattening period A рig, also, in his youth, needs a greater perentage of nitrogenous food than he requires in therted right, corn alone will do to put on the Onless pigs are running at pasture, three feeds

Barley Chaff as Stable Absorbent. able far hat he always saves, the barley chaff for this purpose when threshink, finding tiese. He even takes his wagon to some oi the neighbors' barns when they would otherwise merely blow out into the
harnyard. The saning of nitrogen thus effected represents a considerable sum, realized through the medium of increased crop production. No s. airdriox peat, or "ha, hat may buy land-

Standing in Their Own Light
droate" for a
as long as it is
are stand-
ar'KKLI.
ach sam atout the
(criber. I had his swar. ('arlecton an acre

## The Jersey Cow.

By Richard Reid

For more than two hundred years the Jersey has existed as a distinct breed or cattle. Their origin is more or less shrouded in mystery. There are many theories as satisfactorily solved the
them, but no one has sato problem. The sacred cattle of india chat, whatsemble the Jersey in many particurars,
ever their prehistoric origin, we know in the ever their prehistury the Channel Islands wer seventeenth century from Normandy and Brittany,
stocked with cattle from in 1789 in the northern part of France. But in importation of cattle from France, and, a fel years later, the introduction into the Island any member of the bovine race; a single exception w
poses.
Whatever benefits should result from keeping a breed strictly pure, the Jersey should possess these in a supereminent degree. Bred on a rural where no other cattle are allowed, population who were interest demand for milk, and ucts only, there a system of mating for a special purpose for generations, we have, as a rese, that day, the highly-developed modern of the lairy. The Jersey is the purest bred of all the domestic animals, the long line of special breeding fixing the characteristics so firmly that every an mal of the breed prossesses its offspring. As a transmit its own with any dairy or beef breed, and the result of the first mating will show over the Jersey characteris
that of any other.
One of the causes which has led to the wonderful improvement of the breed on the Island is that no bull is admitted for registration unless he has scored a certain and the bull scoring the highest with his dam, and the bull scoring the of time at a nominal service at a nomirests of the breed.
vital intertation of Jerseys
The earliest record of import consisting of twelve cows and
land, was in $174 \%$, for the Iuke of Richmond, at an average cost of $£ 49 \mathrm{~d}$. In 1812 , Lord Bray brooke imported twenty-three cows and a bull,
an average cost of $£ 19$, and to-day it is somean average cost of thing rare to find an estate in England without thing rare to find an estate mouties to produce the rich cream and milk for the nobility, and at the same time add beauty to the landscape
picturesque country. Ticturesque country. importation oi Jerseys to America
The fack to 1817 . The Jersey cow was at firs
dates back to dhe fashionable ornament for rich farmers' lawn. but as her excellent dairy quakities important facto
to practical men, she became an im to practical men, seme of the dairy industry in th United States and canada. So prime a iavortt
has she become that to-day there are many mor of any other breed of the bovine species; as fact, there are more in the thited and the Jersey cow has attained this proud position solely on her
abtility to produce the richest milk and cream, and the highest quality of butter, at the lowest cost, day that sells for as high prices us the . $e$ ers
At Mr. Cooper's annual salos. held in Coope
 ing $\$ 10,000$ for an aged huli, and the same pu chaser, $m$ months-alf from the same herel the fomm selling from $\$ 500$ to $\$:$
The first noted herd
 at Windsor, and sometimes refiemed th as
Daunces-bred attle. There has lewn nut stan lasting good I.l the dairy inturests of this con

## bodiet

yere few Jerses herds in Cammala to-day that Lambert blood wusch crown to ralances 1\% Ia




 work- The Poor Nan' "on " has funul



During the last five years there has been an in- ter this large quantity of fooll.
Derdbook was established
 country, and their been very marked as yet, but in connection wist in inco on lines almost identical there is no reason why the result of such a cross with that of the American Jersey cattle club 68 should not improve the appearane time, and pos- January and 125 iransfers of animals have been sibly improve, their usefulness at the pail his con- registered. The Canadian hreeders are slow in There are many Jersey herdbooks on this con- registerecing their patronage from the wealthy and tinent for the registration of this pare those of the influential (lub to the soment most important are in our own counmerican Jersey Cattle Club, of New York, and vounger and weaker orgatatiotism, if no other, therican Jersey Canadian Jersey Herdbook, of ottawa. The try, but a teeline Jomses men of canada to supfirst volume of the former was published in 187


A Typical Jersey Bull. of its hind in America. The rules and regulations this continent, 1893, at World's Fart afale s admitted for registration unless it can trace in unbroken limes to the Island. The Club has an agent on the Island who looks aiter the exporta- louis. At Chicago there were three tests sent across the Atlantic last year. Ip to date, duction ol cherse nomical production of milk; (c) a 30 -day tes there have been registered in this book Register for the foonomical production of butter. Three hulls, and 232,055 cows. There is also a doce of breeds were entered for each test, Jerseys, (buet butter in a year. These tests are supervised by sess. and Shorthorns. were entered. and in (i) Stations, and are, therefore, authenticated tests. cous from each breeci The results showed more milk. (2) made mon The numbers entered to date are hulls. 4.3 the wepses made more hut her. (4) gave more solids




mont ans) "quanstivs of
all our domestic anfmals. Who would take pleas- butter. This cow could not be forced dry in that is intended to tickle the palates of the residents
ure in driving an ungamp "skate "through one
of our city parks, wen if he hadt a record of 2.10
on some grand-circuit track? Fsery breeder should derise a certain amount of pleasure in having on his arm as handsome specimens of his ias orite breed as it is possible to have. In purchas-
ing a cow of any of the dairy breeds, 1 would demand first that she be a larke and economical pro ducer of dairy products. This can only be ascer 1ained by a yearly test, which is not always
available, but there are outward indications of avality which hel! us to arrive at her value as a produce $\qquad$ shapely udder, extending behind, and coming well
forward, almost to the navel; quarters nicely lorward, almost too the natel; quarters nicely invarmbly produce short teats the teats should be long cough 10 milk with the full hand, and
placed one in the center of wach cuarter. The udere should fit snugls to the hodis, and should be free fromitexrescences of all hinds, She should (i) leak when the udder is full. Her milk veins houtt be elastic and tortuous, and I like to see the wins of the udder quite prominent. Her bods with sufficient spacink bet ween the floating ribs: strong through the heart; back straight from
withers to setting of tail : 10 vese vertehra, food withers from his - bone eo rump: hips thin, and sot

 mominell and cloar, jaw strong nostrils large:
hons small, tapering, and curved in shin a rich
golden color, and coored with a silks coat of golden color, and cowred with a silky coat of
 The bull should be deep-bodied, with well

 halls: benst wides dewlay loose crest strong shorter, and not curved as much as the female's "ith a thick coat of curls, hair on forehead, nos-
rils largee jaws strong: nose black, and the muz-
rent achercled hy the light characteristic hand ckin oat of hair No bull is barred from registration on account of color, hut solid dark fave a lordly arriage, springing step, as an indication of vigor 1. Their ability to produce the best qualits
o milk. cream and butter, at the lowest cost. U. Their persistenes in milking. The write cars never missing a das. and dropped a heife

## THE FARM.

## Good Prizes for Essays.

As announced in the Christmas Number of "The armers Advocate, prizes are offered of $\$ 15$ and $\$ 10$ for the two best essays on " The Advantages, Yethods and Profits of Smaller Farms," to reach this office not later than January 20th, next. other essays of such merit as to make their publication desirable will be paid for at our regular rates for contributions. About 1,200 words each is the length allotted for these essays. What is desired is practical inormation, clearly stated on the basis of experience with show form of duirving poultry-rearing, beekeeping, growing vegetairying, poutry-rearing, beekecping, granning-factory crops, sugar beets, or a combination of these usually called mixed farming. It this season, men (or women) can do no butter than take a little time to write out an ac count of how they have conducted their farms. and the results. In sending in your contributions, mark full name and address on the ms.. The ex perience of contributors of such articles alwiys is that there is a decided benefit to themselves in hinking out a subject, arranging its lacts in order, and puting ormuneration. thoush the lat

What Variety for the Silo?
season. many tooders will silus using silage fo first time in their feeding operations, and so eagerly anticipating results. And of those ase had experience in the use of silage, it opening of the silo with a degree of interest, inxious to ascertain what the quality of the contents of the silo will be each season. So many facors enter into the making of the quality of silage silage of the same quality. It may be stated here that, on this point, viz., quality, will dehere that on this point, viza, quatity, withe new exeders of silage. Other factors, of course, have
in influence, viz, quantity fed, the combination in influence, viz, quantity fed, the combination
with other roughage, and amount of concentrates with other roughage, and amount of concentrates on these points be followed, if the quality of the silage is poor, results will not be nearly what
minht be expected. Nindoultedty, the maturity oil the corn and quantity of cars in the silage is th. ennst vital point of all in regard to quality White the length and heat of the growing season
has much to do with the maturity and quantity


Grand Champion Load of Cattie, International Live-stock Exposition, Chicago, 1909.


Plowing the Beets : First Step in Harvesting


Glimpses of the Kent Sugar
The sugar-bect crop, has, in recent vears, of
ome on of the formost in south-western Oon tario Essex, Kent, Lambton, Figin and Middle-
sex are the countics which chiefly contribute. though Huron, Ferth and oxford also participate. The value of this sear's crop is estimated at full)
thoot,ooo. The bominion Sugar Company, witi)
 for beets ver: nearly $\$ 100,000$. While these twi factories take the major portion of the not are considerable beets exported to the factorices at Mount Clemen and Croswell, Mich.. Which will add at least an
and other $\$ 100,000$ to the amount paid for raw ma-
terial this vear. Hence, a ootal oi fully $\$$.50, ono terial this vear. Hence, a otal ol fors in the eight counties
will be paid out this sear
mentioned.
The photos show two upical scenes. Phot graph No. 1 gives a glimpse of the cultivation
the beets. This work, in the later part of suil the beets. This work, in the later part of sum
mer, employs all classes of labor. mer, emploss al of the beets, the first step in the direction of harvesting, is shown in the second photograph. After being plowed out, the baect are topped, and then hauled to the nearest
siding or scow landing. Or "lse direct to the tory. The tonnage this sear is not quite as large as formerly, but thi" sugar per cent in the beets is
said to be equal to the best in the world. The average of the Dominiom Sugar (Co, at Berlin this vear is $17.2 / 6$ per cent, whlle at ang is signticant. It means that the farming community is becoming educated along the lines of growing beets for
susar. rather than for tons, as iormerls. sugar, rather than for tons, "s iormorly
and that the how is otherwise injurious to the health. Extracts irom the mitrically-bleacher flours, fed to rablits, quachency that some of the The belief is gaining currency that some of the been prohibited acrose the line. The with the referring to the subjet,
discussion at allass Convention, discussion that Alsop) method, "hicb uses onls electrified air, is much more sanitary than migh use of peroxide of nitrogen) The inference mght be drawn that this. Sites Oficial chemist of
 that the action of electricits on the air on the flour in the same way us the nitrogen druge is a matter that the Camatian authoritims should investion
formed upon

A Tour of the West-III

## the wisdom of my das some might say glowing

 that I have had an opportunity of seefing th. and with a erop such as the Wi.s never witness While the abundant hawest means good times for a season, at least. "w the coumery generally there are those who tahe advantage of such timas the real-estate agents. ans those holding la tracts. who resert to cmoty avaliable meandispose of their ramas certain soomer or later. It could hardly he expected. Junging fom ans goon
 haver due allowance should bw made it
 lost ali they had. "hile ot han could have done " well or better be remaining in the Fast,
very important mater that seems to apply This "lestern country averywheret many who wing delicate in the Fast, now the picture of health
$\qquad$ One obiect in view : to make money and get men
quick. That object would cortainl te comment abie, if their energies were not solely centralized
therein, and the more important duty they ow therein, and the more important daty thes on
their (reator too) often neglected. The incons mience of the scattered settlers in many instanch
from the far-apart places of public worship, has tendency to develop negligence in this respect This is mot the caste. howerer, whe athe to he found In times when the larpe ranches are divident up, and the settlers more namerous improved ford and educational advantages be mater the present, in many incalitics, the pioneers muk and perseeve batching of ior. someral years, lear hals alone batching
prepares them the bither

Bleached or Artificially-aged Flour.

## The teetroit Free Press of a rhent inited stath

 from a market. Those who whe willing to sacri lice mans home comionts, whe a detormination th
lice acemplars lives. are the clase that are espe aras meeded to las the Toundation for the futur that had been artificialls. bleached. in defiance
its prohibition under the I. Food and Dry




GARDEN : ORCHARD.
Still More to Learn
dearn. but now. after hour years' experience, the (onssibilities from impored methods of culture and

6) learn than $t$ could then

The Norfolk Association has advertised itself Is. effecticely the the magnificent fruit display it Glate ut the Fruit, Flower and Honey Show Cas and the press has not been sparing in praise The upple crop in Nurfolk was light eason, neverthe tess, having shipped 19,200 barrels, all of which (III) 1.52 last yoar to 188 in 1909. Owing to unAumatle wather during the sprisul, and, on at count of this and other causes, they had more (olls. 10 the barrel this yar
? 4 the practice usually recommended Cof con-opuratives, the Norfolk Ass'n has no centra Wacking station, though there is a warehouse wher hatic artice around to the diftiont orchards, and the apples are picked and (lauling also begins as soon as arrels for a load, and cars This picking and packing gangs em-
antly travelling about among rk were five inspectors. The These while at work were five inspectors was
seaton practically completed in three weeks. and of such a grade, that it will sell itself. N and the aim is to sell only f. ob at simcoe ming CHANGES:
IIr. Johnson believes that in a few years the loother change needed in their own work is the toubtitng of the number of inspectors. $\$ 580$ or $\$ 600$ morn per year to sccure sulticient inspection,
 hard to build up, and easy to lose.
THE DAIRY
A Test for Milk Dealers

## N. S. Fruit-growers at Kentville.


and and this man thinned his fruit ©ova scotia Agri-
$\qquad$
He on the afternoon of December 1st.
Firesident F. M. Chipman, of lictou, said, in cultural Coilege, spohe brietly of the worse of his
Ilepartment oi Agriculture, in the course of
part: Though the spring was somewhat back-
ward, the weather during pollination of apples
was all that could be desired. The dry weather
of the summer was followed by an October which
doubled the sine of the apples, and experts whaced
our exportable crop, at 700,000 barrels. The
promise of high prices of the early part of the
season is not being fulfilled. Gravensteins, es
season is not being fultilled. Gravensteins, es
pecially, arrived in poor condition, and depressed
ecially, arrived in poor condion, and deples are ripening very early, eve
he winter varieties, and speculators are afraid th
hardie them. One fact, as the result of this
year's trade, is strongly impressed upon me, and
hat is that, unless there are better method
dopted both in handling and transportation, ou
oreign trade in Gravensteins is done forever. Th
insect pests that were most troublesome this yea
insect pests that were most the abhis. The band
were the canker worm and the apher
were the canker worm ande sticky mixture is such
cheap and sure way of destroying the pest that
t is to be hoped an effort will be made this yeat
to completely externe growers have adopted the wor
most progressive growers have adopted the wor
of thinning their fruit in early summer, and doubt
less we shall get some good reports from these.
The much-desired exporiment station has not ye
materialized. It sems. that in matter of such im
materialized. It seems that in matter of such im
consideration. Once a year a man is sent down
hopes discussion on the nocessity of a uniform-size
barrel for the Dominion lasted some fimes the
opinion still being strong that our bareel was the pay Ronds the ensuing war were Presidun
proper size.
GON:ROL OF SOLI MOISTUIE
Grank T. Shutt, Chemist. Central Fxperimental
Firm, Ottawa, deplored the raising of hay or grain
in an orchard, since the demands of these cropid
upon the moisture of the soi! must interfere with
the best development of the fruit or tree The
experiments at the Central Experimental Farm
in the orchard has always resulted in the remova
rrowth of legumes. The drait made by the cereals
upon the mossture in the soil is greatest betweer
May 1 st and July 1.5th. When it is most require

second-More moistari -mont
anme the logumes in drills and cultivatimg that

Finurth - It is eflective in controlling mosture
tand dries out very rapmiy ("ultication is
great conserver of soil moisture. wors spirited dis

$\qquad$
P. E. I. Fruit-growers Meet

POULTRY

Good Sport or Usefu

## 1HE FARMER'S ADVOCATE

combinations oi two of these substances. and akain of all three, which was called complete ferti-
lizer Barnard manure, at the rate of 20 tons
ber acte, was also used in the test. The crops Wer acre, was also used in the test. The crops
grown on test plots were oats, rape, millet and
mangels. The complete fertilizer in evers case mangels. The complete fertilizer in every case
produced largest crops.
lharnyard manure, on the
$\qquad$ $t_{2}$ iollowed with co-operative experi-
rtificial fertilizers on ordinary soils. In some instances these did no good whatever, While in others the crop was doubled Farmers
themselves should be experimenters. No reliance themselves should be experimenters. No reliance
can be phaced on results obtained in other places.
is in the fertilizer tests on peat soils, so it was On crdinary soils-single sulstances were always
less effective than when used in combination with less effective than when used in combination with
others. The quantities used per acre, when apothers. The quantities used per acre, when ap-
plied singly, were : Nitrate of soda, about 160
pounds: muriate of potash, the same: superpounds: muriate of potash, the same; super-
phosphate, 320 pounds. ${ }^{\text {a }}$ When the complete fertiphosphate, 320 pounds. When the complete ferti
li/er was used, consisting of one-third the quan lifer was used, consisting of one-third the quan-
tity of each of these ingredients, decidedly greater thly of each of these ingredients, decidedly greate 20) tons per acre, and complete fertilizer, applied
to potatoes, gave equal benefit, doubling the crop received from ground unfertilized. President Creelnian remarked that the Scotch
delegation that visited Canada last year expressed wonder that Canadians were content with average
crops. In scotland they got extra yields; noth crops. In Scotland they got extra yields; noth-
ing else would satisfy them; but it was by using commercial fertilizer every year in addition to harnard manure. Mr. Cireelman asked if such practice would not pay in Canada. Professors
Vavitz and Harcourt answered that, to get value from special fertilizers, there must be thorough , cultivation, otherwise it would be money thrown were obtained by their use on all crops, such increase was of cereals, though economically when applied to roots and potatoes.
There are far too many varieties of potatoes grown in Ontario. Seventy-one leading varieties wer. worted in 1909 . In sending out varieties of hinds in use, hut to find out the best and stick
to them. In late varieties, the best were the old Empire
Nedium-Burpee's Fatra Early, not at all an early potato.
Farly-Carly Furcha, first ; Puritun, second. above all others.
Mangeis. -1 i.ist in seld, Ferrys s Jellow 1 eviathan, an intermediate , (for feeding),-Remmic's Tankard ('ream, Bruce's (iiant White Feeding $\quad$ (iood Luck,"
 proved :hort White, liruce's Mammoth Intermedi-
ate Simooth White, Corn for Grain.-Henderson's Furka. White-
cap Dent, Sterling White Dent. cap Gorghum (best) - Furly, Ami er Sugar Cane bake was iound to outvild raple, treated alike
In reard to the cost of the co co-operative exmember. or $\$ 1,800$ in all.
Irofissor Iave the history and
IN smopsis of the "Act respecting Commercial Feed-
stuffs." The need of it had been felt for a long
 artillus of the same name For instance all
bnew what oats, peas or barley were: but, of the herw what oats,
feeding value of the by products of starch factories
and outmeal mills, and such li e not much was and natmeal mills, and such li.e not much wh - dififenent times, startel by a memorial from th Fxprimontal nion to the memernment on the suliect. Conferences of experts with Governmen
$\qquad$ hols, hran and shorts (unless mixelf, oat hran
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Hon. Nelson Monteith congratulated the had ecured, and drew attention to another matter on which legislation should be secured, the distriings and screenings.

A committee was appointed to drait a resoluin, which later reported as follows: "That such legislation be adopted as will remedy the erle ituffs Act, with power to add to their number, e given charge of the matter.
Prof. E. J. Lavitz, reportily on Co-operative orestry in Ontario, referred to the acyuiring 1,000 acres of land for reforesting purposes in
Noriolk, and that 3,000 more acres are therée Which ought to be under similar treatment Forty thousand black locust and Scotch pine had been planted there, and 80 to 90 per cent. on a large scale is going on. At st. George, results were disappointing at first, but more satisfactory since. Works, eave clear instructions regarding construction and maintenence of public roads. Proper drainage was the first essential. He wound leadide Ontario roads into three classes, First, neighborlood roads, which would answer very well surfaced with gravel (gravel crushed and screened is much suferior) third, concession lines, used only hy a few farmers, may be mereby
carth roads, but these, if kept as they might be, earth roads, irst class should be 24 feet wide of the second
Grade should be of
20, and the third 18 feet. 20) and the third 18 feet. Grade should oval shape. and averalee one inch to the fort was given by Trof. B. Mccready interest in naturestudy work. seal was given by A. McMeans. Not more than one per cent. of the sect useming from California. here. 70 per cent. of it coming from datrornus krow seed profitably. oy ex-students who have appointments in various counties as Government representatives. These classes in agriculture, holding stock-judging courses, tending local demonsting drainage surresani/ing farmers' clubs, making aratnage sur vess, without cost, erc. aging reports were given. Fle en countios in all have representatices was given by C. O. James, Wepuly Minister oi Agrigulture, and harl the incomprehensible title of stall in sweden, where most extraordinary results in grain impro:emint are advance by means of cross-breeding for yeans, with little result, that system was abandoned entirety, and that of selecting the most ideal sinze plant to be foind in acres of grain, and from on re-selection each year, type and uniformity was arfopted. Some idpa of the excerfence from the statement of Mr. James, that nothing he saw in Europe impressed him so much as what he saw ino days he suent there, he and the others with him were steadily reduced to a condition of provounc suc-
mility. Among other feats, Dr. Neilsen has such ceeded in rrowing a hundred-
vielding 9 bushels per acre.
The following officers were elected at the meetThe following officers were elected at of the Ontario Ayricultural and lixpental Tnion President, G. S. Henry, Oriole, Ont. dice-pesident, W. I. A. Zaitっ O. A. C.. 1) int, hecretary, Assistant Seceretary, A. Buchanan, O. A. Cresident A. A. (., Me electell, and James FerguDalmeny: A. Mclenney, Essex: F. F. WebProgess in East Middlesex, Ont. Progress in east has seen most of the "ork. inclucling jllowing, completed in better order
than usial. which should tell favorably on next than usual, which should tell favorably on next tion salees this season speaks well for this part of
viddleser, as it means less shifting about and thetlor financial conditions. An increased acreage of land was sown to fall wheat, and the deepTown fields look well. Most of the cheese facseparators wet running, sut itarted, and the cream sent to
W'ort Huron, at good prices. There is also a call Port Huron, at good prices. There is also a call
from Toronto for cream from this district. Buttor prices have heen on the rise, like everything
IIse salable. Turkeys have been exported in large

## 2002

THE FARMER'S ADVOCATE.
 hard to get, but a number of the feeders have been forther stables. Cattle-fattening has made fertile farms and contributed its share to the prosperity of this
excellent district. A great deal oi drainage has excellent district. A great deal of drainage has
been completed, and many new farm buildings Creamery Meeting at Guelph. past season. sending cream, 1,362 more than in
307 patrons
1908 , 3,280 tons of butter were made, or an in-
crease of 10 tons. This did not imclude a large
quantity of cream shipped to coties for tamily use
 The annual creamery meeting oor of th. Dairy

$\qquad$ ario was held in the lecture-room of the Dairy coming very slow, as better results would te oht. Death of Mortimer Levering
 been held for some years. There were between 75 Babcock, there being ons 67 are cream pathered regret to learn of the death. which occurred on and 100 creamerymen, and others interested, presnt. J. J. Parsons, President of the Western creameries, 5 cream-zathered and separator ating
Dairmen's Association, occupied the chair. Irof. only one rereing all whole mil' and separating
 frivate owners of creameries, the creamery man- scales weighink 18 arams of the cream, and 5 usAgers, buttermakers and their assi-tants: the
butter merchants, whom he wished would keel) the average price of butter to 30 cents per pound the vear round ; the cream-haulers, of whom he hoped year
some
ery in
$\qquad$
$\qquad$
$\qquad$
$\qquad$ pry instructors.
ter consumers. $\qquad$
$\qquad$
$\qquad$
Ontario Winter Fair a Great Success.

()ntario liepartmen

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()ntario Departmen
finds itself facing
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sion as great as or larger than
Growth of the se ity
the addition of the Ontario Horsebreeders
hibition, formerly held in Toronto during Fel
ruary, increased the demand for space out of
is stated the extension of floor area. When
sas occupied with whole stabling accommodation
never were before, and ninety or a hundred horses

are estimated to accommodate $1,(00)$ people, and
filled, were actually crowded during beery session
That judging was in progress, "ith us many more
spectators crowding about the ringside below, and
nundreds of others qurning away because they comt
not get close enough to sed any thing, another
doubt is sittled. Indeed, it is cstimated that
hree thousand people would have oecupied sols
during part of the time had the benches
available. And, notwithstanding the crowd


the programme, "hich spread the horse-judging pericmince partmont and comernment

# 友 

 Cialloways and De ons. - These were reire julicial task was perforned by the following men , hakespeare -2 , Thomson; 2, Turnbull ented in the catalogue serpal entric, whe thropshires and Dorset Horns-d. © Duncan, Hamp tho made a clean swop with se eral huiter in thirm, if. Beatlie, Wilton cirove, Ont, Cots vears-1, Whitelaw. American Leicester Breeders'
隹 the open section for iwo-swar old pradus or cross house and J. F. Cousins: Sheep Carcasses-Prof. Erin. Ont. Three ewe lambs-1, Arkell \& Sons:

 Which crowded him clocely, but was placed second "whitited as some ,reeds, but of very uniorit, quatity. John lowes Blari hnight litted into and all good stulf. The first and third Chicago nte fourth Searling steers brought out one of pricemoney in Guclph, white the chicare first-








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$\qquad$ A) Fiora, who se
hunch of pood. shemeth, h. second rife lot whe alsu go ond and

1ul Lry well
atre cumplusions for the grand cham aionshin
anck's first-price purn bume chorthorn warlim:









3. Arch Ferguson, sperial for hest grad sons, Highgate, Unt. Three ewe lambs-1 and
low or heifer fedi in Wellington Rest hept animal
an amaten
prouglas.

The Sheep Department.


Dunrobin Villager


Wether lamb-
ing; 4 a nd , 5 ,
Wright. Three wether
lamus-1 ${ }^{\text {a }} \mathrm{nd}$,
Harding ; 2 , Wright.
nampion, best
nether under

 une of grades and crusas there was poch re iewer de kect. Wether lamb- 1,2 and 3 , John Kelly; ${ }^{4}$ Calud to "atch the sheep-judg of the sheep depari. Kelly; 2, Telfer Bros. Champion, best wethe (irades or Crosses, sired by ram of longcooled breed-Wether, 1 year and under $2-1$, L. Yue!!h, Ont, 3, John Orr, Galt, Ont.; ${ }^{4,}$, kupfetown. Wat. Wcther lamb-1, Whitelaw: 2 , 'arhinson: 3 and 5,8 . Bailey ; $4, \mathrm{E}$. Brien \& Lons. Three wether lambs-1, Parhinson;
Brien \& Sons: 3, Whitelaw ; 4, Bailey ; 5, Turn-
arkinson. ooled breed.-Wrether, 1 vear and under 2-1, J, Hoyd.Jones Burford, Ont.: Glanworth, Simeoe iont. Wether-lamb-1, Lioyd-
filled io the brous lot of stoch, maintain 1. sayg in a few words the stat of afrairs in

 and 4, Prarkinson 2. (:osnell \& Sons. Wethel


Actwen Myron. Ont. Three
 $\qquad$
 some former years. 1.irst on the call was hacon under 6 montin 1.5 , 2 and 4,1 , ouglan, 3 and hoge, judged by $12, J$ Garbutt, Bellevile most Currie. Sow, ( 6 monthe and under $9-1,3$ and marked improvement was noticeable in these classes over last year, all of them showing careiul fitting, with just the proper amount of flesh.
opinions beiny freely express that seldom had such an even, well-balanced lot been seen in a Canadian show-ring. The call ior two pare-
breds brought out a class of 24 pairs, 20 pairs oi Yorkshires, and 4 of 1 amworths. The task oi culling and selection was an herculcaneral satisfacjudges, whose final decre as follows 1 and 11 , J.
 Brethour.
Port Credit 5 and 10 , 1). Douglas \& Sons,
Mitchell. J Duck, Port (redit; 8 and 9, , Currie, Morriston. Tamworths got 5, 8,9 and 10 all the other places going to Yorkshires.
Fifteen pairs of grades or crosses were out for Fifteen pairs of grades or arosses
comparison in this clas, a splendid lot, well comparison in went to D. Douglas \& Sons; 2, I
fitted. First
$F$, Duck \& Sons: 3, J. Featherston \& Son: A. E. Hulet, Norwich;

Luck: 7, C. Currie
Yorkshires were exhibited by J. Featherston \& Son: Jas. Wilson \& Sons, Fergus, H. S. Mc-
Diarmid, Fingal : J. E. Brechour, and R. F. Duck \& Sons. The high-class brought forth many expressions of praise from the brought forth many expresslons on were prof i E. Day, O. A. C., Guelph, and A. C. Hallman, of Breslau. In the class for barrow (i) monthe and
and under 9, awards were
Son 3 and 5 . J. Featherston \& Son 4 , Jas.
Sor Wilson \& Lons Barrow
E. Brethour ; 2 and 3, Featherston: 4, Wilson 5 , Tuck. Sow, 9 months and under $15-1$, Muck $\begin{array}{lll}\text { 2. Featherston: } \\ \text { and under } 9-1 & \text { and } & 2, \text { Duck; } 3 \text { and } 4 \text {. McDiar }\end{array}$ and under 9-1 and 5 , Wilson. Sow under ( 6 months- 1 and 3, Featherston: $2, ~ R r e t h o u r: ~ W i l s o n ~: ~$
Duck. Duck. Three pigs of one litter, bred by exhbitor 4. Wilson. Pri/es for lest harrow and best sow exhibited by an amateur, both went to M. A. Mc
Allister, Ameronto exhibited by W. W. Brown Berrshires were exhibited by W. Widgrown
idge, Ashgrove: F.. Brien \& Sons, Rigetown idge, Ashgrove: F... Thrien \&\& :Joshua Lawrence Adford Centre, and John Kelly, Shakespeare While there were a number of exceedingly
class animals exhibited, on the whole they wer class animals exhiriter, on the Brownridge being particularly strong, got considerably the liest of it. Thos. Teasdale, of Concord, the vetera
Berkshire judge handed nut the awards in hi Berkshire judge, handed nut the awards Barrow,
usual efficient manner. Awards are : usual efficient manner. Awards are $\begin{gathered}\text { and } \\ \text { months and under ? }\end{gathered}$

 Kelly: 5, Thompson. Sol, po months 4 , Thurence Sow under 6 months- 1 and 3, Brownridge: Brien 4 and :5. Thompson. Three pigs of 2. Kelly : 3. Thompson. Douclas \& Sons, Mitchell, and Curric, No
nd 4, bouglas.
2. Inouglas. Cornhoster thites were whibited Hy I) Inecourcy
 xhibits being most credicane folyh. Barrow, 1 , eicester carcass, wether, 1 year and under a months and under $9-1$ and 3, , DeCourcy: $2,-1$ (Oliver Turnbul, Walton 2, John (Orr (iall
 $15-1$ and 3 , hechoure 2 and 4 , Wright Sow, Whitplaw. (iuelph 2, Adam Thomson, Shakes 6 monthe and under :- 1 und 2 . Wright: 3 and inecoure kow under is monthe 1 an! 3, De- Wriord wether carcass, 1 sear and under ${ }^{2}$ -
 (irades or Crosses were fulked by Major (i. B, wether under 1 year-1, Mex. Stewart, Taving Hood, and made a most "acellent showing.
row, 6 months and under $3-1$ and 2 , Curric 3 , well, 13ond Head


 Koelln, Glen Allen, Sow under is months 1, Cur Wo Woodville: 3, W. W. Wright; 4, J. W. wee ob

Dressed Carcasses at the Winter

Fair. fenture that wa

 specially the case. In this class there was not a single carcass that was lacking in finish, or overlat Rxhbitors have become educated so that har nothing that is up to the mark, they simply to not enter. For two dressed carcasses of bacon hogs, pure-breds, John Duck, Port (redit, won first J. F. Brethour, Burford, second; third gomy to R1. F. Duck \& Sons, Port Credit. The Featherston \& Son, streetsville; 6th, R. F. louck \& Sons. The discrepancies which always occur between the opinions of the judges in the classes, were less marked than usual. Some dicided differences there were, of course, but, on the The first and sweepstakest alive only se cured fourth dressed, and the first-prize Mressed carcass got nothing alive. But the re-
mainder of the class went as follows B ive 2 nd, Inressed 2nd: live 3rd. dressed 3rd; live 6th, Aressed commended: live 7 th, dressed 6th In the class for grades or crosses, the first
and Mrize and sweepstakes for best pair dressed car-
casses, any class, was won by R. F. luck \& Sons, casses, any class, was won hy $R$. Duck a Sons
with a par which were a arded second alive "ith a prize. James Rettie, Norwich, Sth alive third. II. Douglas \& Sons, Mitchell, first alive iourth, Chas. Curie, Morriston, nothing and The sweeptstakes pair weighed, alve, 2018 and
202 pounds, and dressed 159 and 15.5 pound, re arecticely, a shrinkage of 23 per cent. The total Mrimht of is dressed hogs was 9.7 Th pounds, an wolve of $152 \frac{1}{2}$ pounds each. The whole were Gold th Mr. Hardy. of (iuelph. It $11_{2}$ ermin per


Baker, Simcoe. Southcown wether a ham 4,

 2, R. H. Harding, Thorndale: 3 , W. E. Wright. Hampshire or Hampshire or Suffolk wether under 1 year-1, John Kelly, Shakespeare
$\qquad$ L.ongwool Grade or (rossed wether, 1 year and
and under $2^{2-1}$, Bons 3 A \& W. Whitelaw. Long wool grade or crossed wether under 1 year-1, 1 Srien \& Mons
inson, Guelph
Shortwool (irade or Crossed wether, 1 year and under 2-1, J. W. Tee \& Sons; 2, W. I). Monk-
man, Bond Head : 3 , (ieo. Maker, Simeoe. Short wool grade or crossed wether under one yeur$3,3 . \&$ I) (Camphell The price realized for the carcasses was from $6 \frac{1}{2}$ to 11,12 and 13 cents ner pound.
in dressed carcasses of pure-bred catte, James Bowman, of (iuelph. won first in the dass and deen-Angus heifer, just a month under three years Old, Rosebud 7 th. Her live weight was 1,350 pounds, and she dressed 864 pounds, exacty shorthorn owned bo kyle Bros., Ayr. weighing 1.100 poundss and dressiny almost 63 per cent Third went to a Galloway of It.-Col. D. McCrae's, 60 per cent Fourth prize went to a Hereford from the F. W. Stone Stock Co.. of (:uelph.
In grades or crosses. A. Barber, Guelph, took first: Tohn Lowe. Flora, second: and F.. Brien \& Sons, Ridgetown, third. In this class, the first in percentape of dressed meat. the live weight he In percentage of dressed meat the live weight he

neen Butter Baron 7652.

THE FARMER'S ADVOCATE


Phenomenal Results in Dairy Test . ond and der gat production.
 with all modern fittings. and with :wry whent.. system of rentilation, wern marls cows that would poxition on the mature Holstein class. Clemons ${ }^{\circ}$ grace a world's fair, and their ferformanco in the
threctay test was simpl? woulterful. consid rime that it was madn in tweomber. and awn fro. home dot onls were the milk tielts phomommatingly high. This latter fact is attritmed hy ox
hibitors to the excellemt rentilation it having heen the experience that whes weather wa muggy and the air car was practically contined this y


PRIZEWINNERS IN THE DAIRY TEST AT GUELPH.

| vame of Animal and lixhihitor. AYRSHIRES. | $\begin{aligned} & \text { Mis. } \\ & \text { Nilk } \end{aligned}$ | Fint | $\underset{\text { Fat }}{1 . \mathrm{bs}}$ | 1.ts Fontits | roints ior day's Milking | Points <br> for l'at | Points ior Solids not Fat. | Total Points |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class 68. See - 1, Ayrshire Cow. 48 months and over |  |  |  |  |  |  |  |  |
| \ictoria 13788 H. \& I Mckee, Norwich.......... | $166 ;$ $16$ | $\begin{aligned} & 1.3 \\ & 14 \end{aligned}$ | $\begin{aligned} & 7.172 \\ & 7.127 \end{aligned}$ | $\begin{aligned} & 16.44 \\ & 15.72 \end{aligned}$ | 1.1 | 179.3 178.17 | 49.32 47.78 | $\begin{aligned} & 228.16 \\ & 227.03 \end{aligned}$ |
| White Floss of Brookside 20139 M. \& Mckee | 15098 | 42 | 6.334 | 14. 77 | 1.1 | 158.35 | 43.43 | 201.78 |
| Fairy of Hichory Hill 24579 N Dyment | 137.41 | 4.6 | 6.322 | 12. 78 |  | 158.65 | 38.634 | 196.68 |
| Faury of Hickory Hill 22336 ; N. Dyment... | 153.11 | 3.9 | 5.971 | 14.132 |  | 149.27 | 42.39 | 191.66 |
| Class 68, cice 2. Cow, 36 months and under 48 |  |  |  |  |  |  | 39.38 | 192.33 |
| ${ }^{2}$ ueen Jessie of Spring Hilt, H. \& J. Mckee | 1333.017 | 16 | ${ }^{6.188}$ | 13. 27 |  | 140.87 | 40.28 | 181.15 |
| Star Sarah 21511; II d J. Mckiee | 13,07 | 3. | $\bigcirc 3147$ |  | 8.6 | 78.67 | 24.68 | 111.93 |
| snowdrop of Hickory Hill ; N. Dyment |  |  |  |  |  |  |  |  |
| Class 68, Sec. 3, Ayrshire Heifer under 36 months |  |  |  |  |  | 127.82 | 38.84 | 162.66 |
| Beauty of Hickory Hill 276103 , Mement |  | 12 | 3.113 | 9.957 | 8.3 | 97.10 | 27.77 | 133.17 |
| cottie's Victoria 23655 ; H. \& J Mckel | 92.7 |  | 3.889 | 9.082 | 1.7 | $9 \cdot 1$ | 27.24 | 126.34 |
| holsteins |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Agrie De Kol 4127 : M. I. Hates, Sprinkford. | 216.211 | 4 | $8{ }^{-10-}$ | 19.907 |  | 202.67 | 59.12 | 261.79 |
| lanthe Jewel Mechthilde Srd: M. L. Hatey | 210.26 | 3.8 | $\bigcirc$ | 17. 67 | 0.9 | 199.72 | 52.10 | 252.72 |
| Evergreen March ; G. II. Clemons, it. George | 213.21 | 3 | -542 | 20.73 |  | 188.55 | 62.91 | 251.46 |
| Iina Netherland Abheiork: 11. Bollert Cassel | 11.3.8. | 3 |  | 17. 7 | 1.3 | 166.95 | 51.21 | 219.45 |
| luduina Hartog De hol H. Bollert |  |  |  |  |  |  |  |  |
| ('lass 69, Sec. 2, Holstein cow. 3 monthe and under 48: |  |  |  |  |  |  |  |  |
| Elloree 6959: Jace Rettic, Norwich | 192.69 158 158 | \% | 6.18 | 15. ${ }^{\text {c }}$ |  | 150.4 | 47.28 | 197. 68 |
| litica Alice 6452 ; M. McDowell, Norwich | 118.19 | 3.9 | 5.779 | 14. 77 | 8.8 | 144.47 | 42.23 | 195.50 |
| Olive schuiling rosch 6960) James Rettio | 116.96 | 39 | 5.731 | 14.37 |  | 143.27 | 43.11 | 186.38 |
| lads Colanthus De Kol 6451: M Mclowell |  | 35 | -221 | 13.64 | 14.0 | 130.52 | 40.92 | 185.44 |
| Mvsie 6551: A F. Hulet, Norwich |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| '2ueen Butter Baron 7652 ; M. H. Haley, Spring: ard |  | 1.6 | 5.813 | 12.158 |  | 145.32 | 36.474 | 181.79 |
| Wercena Artalissa 9987; M. H. Haley | 158.12 | 3.2 | 5.059 | 14. 10 |  | 126.4. | 42.00 | 168.47 |
| Pietertje Poem 2nd 7927; Names Rett | 161.68 | 3.1 | 5. 012 | 13.88 | 0.1 | 125.3 | 41.64 | 167.04 |
| Mercena Jewel 9081: James Rettie <br> Wrah Uo Kol \eeman 10219: I'. D). Ede, Oxford ('entre | 151.07 | 3.2 | 4.930 | 13.311 | 1.7 | 123.25 | 39.938 | 164.88 |
| (lass 72, Sec. 2, Grade low, 36 months and under 48 | 156.58 | 3.9 | 6.106 | 13.66 |  | 152.65 | 40.98 | 193.63 |
| Whel: M. It. Hatey ............................... |  |  |  |  |  |  |  |  |
| (lass 72, Sec. 3, Grade Heifer under 36 mos. |  | 3.5 | 5.370 | 14. 424 |  | 134.25 | 43.27 | 177.52 |
| l/uchess II. J. Benfield, Woodstock | 158.65 | 4.2 | 3.723 | 8.457 |  | 93.075 |  |  |

Poultry Exhibit Very Large


Whloree, which wiled 192.69 pounds of 3.7 -per-
cent milk, and scored 230.47 points. In heifers conter 313 , monicored M. 11 . Hally repeated his brother's triumph in the mature class. winning 47.76 points and Mercena Artilissa, with 181. T points. It is gratirying to find men like the Tlatey Brothers, who have made a success wit grades, Wranching out and doing so well in pure breds, keeping them on a commercial basis, that do good to the pure-bred-stock business. Incl nentals, it ime than extraordinary record both in Holsteins and Ayrshires, no fewer than fourteen cows being entered by exhibitors who write from the lather post office. A number of other competitors, including county. The test was again conducted this year on a basis of 25 , moints for each pound of fat, 3 davs milking after the first thirty days: limit, days" mill
com-are the largest clanses, with the Barred Hock com-
ing next. There is a Hurred Rock cockerel hereing next. There is a liarred Rock cockerel herehad never seen his equal either Boston or NewWvandottes. - This was an exceptionally stronglass. and contained 51.5 entries, the two largestsections being the cockerel and pullet sections,rach containing 56 entrics. From the quantityand quality present, there is no doubt that thislass, and espectary the winte wyandottes,holding their own against the other breeds. Among
the noted breedrs in this class that exhlbited,irds were: John MiPherson, London: Sheih \&Hecker. West Lorne; J. H. Me(ihl, Port Hope:IIIn. Archer, Paisley; A. (i Aul, London East1. Phaneuf, Montrea)I, ghorns - There were 409 entries in this class,and the keonest competition was eneountered ineach section, especially in the White Leghorns.cach section, esplecially in the white Leghorns.
cone the most noted breeders present wereK. Martin, Galt: H. F. Therne, London : Jas.(ord fiymouth Hoc's. - The number compesing thislass was 277 entries, and there was not a poorNird in the class. Not only was shape and qual
andAmost berfect, but the condition of seathertngtome of the breeders present were .John PringleI ondon: I. K. Mallard, Dundas: Johm Medford,
Toronto: Thos. Andrew. Pickering; Wm. Dale Rrampton: Hugh A. Rose, Welland-in Barred

in Buff Rocks, were: John Bawden,


Ridgetown: J. M. Campbell, Crosshill; Orpingtons-In this variety there were 240 entries, the Buff Orpington forming the largest section. They were of exceptional quality and in the Province. Amongst the breeders exhibiting were. J. W. Clarke, Cainsville, A. W. E. Hel
yer, Ottawa
H. R. Hofiman, Ridgetown; Thomy sou Bros., iort llover ; Hugh H. Scott, Cale onia.
Khode Island Reds.-There was a considerabl increase in numbers in this breed, and from thi
and the quality, it proves that this breed is bu coming more popular every year. Competition was as keen in this class as in any, and great in
terest was taken, whether due to the nickname of
" Farm Fowl." or not, it is hard to say. Among "Farm Fowl," or not, it is hard to say. Among A. Faulds, London lirown \& Reid, (iuelph; A. Faulds, London Brown \& Reid, (iuelph, Wm. Pearson
Knowlon. (ieese and luchs.-There was an
Turkeys,
crease in the entries of turneys to the amount
en over last year, there bing fi entries. Col
siderable difliculty was experienced in placing th awards.
universal
However.
tandard in, the geese were not quats were exceptionai, there being 1
A falling off of seventeen entries from that "if last year was noticed an thar. (qualits was wery Bantams and Pigeons. The Bantam and Pigeon classes formed the chief attraction for the lact
and children, and were not lacking in number or quality. There were 786 entries in the former were represented
were represented
consisting of 281 entries, and included some im-
ported birds. The ()riental Bantams comprised a In the pigeon department, practically mety anall Parlor Tumbler, to the large Pouter.
small
Iressed Poultry. There was no trouble as pards lack of space in this departinent this sat quality than last year, yet there was amply rom was no doubt whatee er that some neosh in on show, the only drawhach beine that the tables were a little too high, and it was the genera
$\qquad$ The prize
nouth Roch the honors, "ith Whi
Amongst the chichens, if Mo Mon. Arth

The Horse Department
strongly in iront and close behind, with good good one, Second Me Miven, st. Thomas, (mt, for Rosie Kerr, whyheight of action and length of stride second
place was won by T, 11. Hassard, of Markham,

Ont., with Kilnhill Victor (imp.), (anadian-bred (1ydesdales and Shires.-The exhorse of exceptional size, quality and action. 'Third hibits in this class demonstrated that good horso phace went to Hassard's Carcellus,
 yance, of Tavistock, Ont, fiith to Black laory, Lo Vlator, shown by Man. Mckinnon \& Sons 1. EVerlasting, owned by smith of Richardson, oimbus, Ont. and sixth to Pride of Newmils, ntries, most of which were present. They were "high-class lot, any of them good enough for any fow-ring. The red ribbon was won by (iraham Remported by the exhibitors, and sired by Cairn hrogic Chichtain, dam Airies l'oppy Thes is at large colt, of excellent quality, with the proper
shoulder, pasterns, bone, feathering and action. The Wue ribbon went to John A. Boag \& Sons
imp. Homestake, a bay, sired by Silver cup, ou imp. Holene. Clator, of good type and action, and
$\qquad$ Ftemington, owned by Nathaniel Thompson, ormaley, Inionville, (latt, with Victor, by fulla on, and fourth place went to Celtic Pride, in
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hors (Snturio Horse Breeders' Association vot or the purpose of holding a horse sion, the seat is somewhat hard to see how this itle scheme wil
$\qquad$



veres somewhat (qually distributed.' The judying
o have given general satisiaction. ©
where so many high-class animals come in compe
of good horsemen will differ, but, on the whole.
competent and honest man could find little fau
with the awards. The judges were: Ioh Whit


Maritime Winter Fair inth in point oi ycurs, first in numbers and qualite of exhmits, imherst, N. S., and opened by Farl (rrey, the Governor-General of Canada. As Thir a few years ago, was found too small for
thi encreasing exhibits. At a cost of $\$ 8,000$, a the increasing exhibits. At a in the present seaslarge addition was built early in the presed Besides live stock, there are numerous exhibits of excelient applas, grains of various kinds, and vegetantes,
potatoes being ideal in quality throughout the imain lots on exhibition. by W. W. Black's thick-fleshed, low-set, typical
Horeford steer, his runner-up being a grade heifer Heretord steer, his Fowler- This was a meaty, smooth, even-fleshed individual, which, on being laughtered, furnished the first-prize carcass, yield marhled with the fat. It was ideal in firmness and quality, while the grand champion steer's carcass was too fat, and so soft as not to stand firmly after cutting. Some eighty cows were entered in the dairy test, Ayrshires and Holsteins belng
the two strongest breeis. a Holstein cow exhibited the togan Bros., of Amherst Foint. winning the
bilver-cup championship. Sheep and poultry were strong, but the swine classes numerically scant, although
than a year ago $\qquad$
anuual meeting was held by the ological and Fruit-growing Society of Quebec Macdonald College last week, Much regret was expressed at the absence of president Reynaud, of La Trappe, Quue., who has been stricken with paralysis. Prof wis.
Blair, of Macdonald 'college, is the new president
$\qquad$
refard to a report in the newspapers, to the ect that the (Canadian Canners, Limited, Hamilondensed Milk Co., the latter write us that their head ottice and sales department have been transforred to Hamilton, but no change is made in the 20,000. They have milk per day, paving $\$ 1.45$ per cut. for milk during - Ihecember. January and February, and $\$ 1.35$ in March
The annual meeting of the Clydesdale Horse Kssociation of Canada has been set for January

The dairy building of the Manitoba Agricultural yar
$\qquad$
$\qquad$



The Women's Institute and Its Work.

 adhering. We don't lite our chicken
and roast turkey that way. A fullur and roast trkey that way , when appar in these
report, the
pares, in the immediate future. In the meant ine, sulfice it to say that
from the opening addressess by Mr
from C. C. James (D)eputy Minister or
Arriculture, and President Creman,
to the closing talk on that important subject, Xerves,', by Dr. Helen Mc-
Murchy, of Toronto, the sentiments and methods advanced were at once
inspiring and useful. Delegates from almost every county in the Province
-even from far-away Algoma-told how the work of bettering the homes
and the neighborhoods was advancand in their especial districts; prac-
tical talks were given on how to accomplish best the "Day's Work," by practical women. who knew whereo
they spoke; and an address which will be long remembered was given by Dr. Annie Backus, on that sub-
ject which concerns us all, "Environ ment." "The Development of a
Sound Mind in a Sound Body," was treated of by Mrs.. Hart, of Galt; and programme were the invariably en tertaining and instructive "Question
Drawer," and a demonstration o labor-saving appler little Dean of Mac donald Institute, Miss Watson, di the directing, and the Superintenden and his assistant the "manual labore -quite, as $\begin{gathered}\text { as } \\ \text { with a twinkle, as things should be,- }\end{gathered}$ "two men to do the work a divergence and this for the people who are not
$\qquad$ along. Women's Institute really becoming an educative force in this Province better homes or better anything else? Or is it just a fad that will wear out or rust out in time asked, probably, by every thought ful
onlooker who has been watching the
$\qquad$
$\qquad$ doubtiul ones,-nay, the impatien
ones also, who, forget ting that very it?) "full-armed" at birth, and that are not willing to take part in any
thing that does not seem periect from the beginning.
$\qquad$


THE FARMER'S ADVOCATE.
ieved in Carist, but did not openly join northern part of our Dominion. When I "Are we honest in purpose, honest to amoly our canadian farmersf" carried His side, because the Pharisees would
have put them out of the synagogue. have put them out of the synagogue.
Their actions were not what they would
 ave been if their ambition had ben as
worthy. one, "-for they loved the praise ot men more than the praise of God."
An unworthy ambition is a very iul
 - perhaps unnoticed-and gradually occu
vies more and more space, until it is pies more and more space, until it is at
mighty force which only the power of
These aighty force which on conquer. These
(iod's Holy Spirit can
rulers" had for years been accustomed rulers" had for years been accustomed fould only be theirs if they were hones and true to their secret convictions
Then-when it came to it choice of sacri-fices-they sacriticed the approval of God
lor the sake of keeping the honor of men. And, because they sought first the al
,roval of men, trying to secure it at any cost of truth and honesty, they have fo
nearly 2,000 years
ruceived the hearty isapproval of men. Thuse who seeh
rast God's approval. will tind it the en hat the approval of men has heen adden hesses to this as a fact. done in the ambition
spoil a great deal of aup conergetic
unworthy ambition.
fisible results. Our missionary ball must not be and reports, our sultscription must not look mean in the list, we mus because it is a respectable thing to d
Even our Christmas giving is spoiled Cven our Christmas giving is spoiled
this low ambition to win the praise King on His birthday, hut we thinh
/I must give so-and-So something
$\qquad$
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$\qquad$
$\qquad$ pearance of one of the elders, as he, wit pair of good horses and lumber wagg
 (four or five miles), and some
Some Letters from Readers.
well as the far
onveyauce can
that time the roads were, in some places,
only a narrow road through swamp only a narrow
rough cordoroy, road through swamp.
and. on the dry land, al onary spending 52 years in those deso-
$\qquad$
. spending many years in translating
"Fnquirer" thanks all who so kindly
rough cordoroy,


$\qquad$ now it is the rubb
tired bugg. But
the people attend chu the people attend church
as regularly as they
ased to in those early
days?
seasons there wer wh
preaching services on
Thurdny and
and
ond
gond as he will give me, or he will thit
me stimgy." The remark that "an nized by the amount of noise it mal ply to much of our industry in Christian
work. Attention paid to home dur work. Attention paid ow to unimp,
or little kindnesses shown
tant neightors (as if anyone could bo " $\qquad$ tant neightors (as sormone commonplace thin, seem hardly worth "hnte in God's sigh
they not very important
But men will not notice! Then there are our quiet times of
munion with our Heavenly Father Me love the praise of men more e than 11
we lo Sout. Why? Because they don't
forward our ambition. Thy are secr
only known to cood and courselves people we seek to please will thinh
are wasting time. "doing nothing ?
$\qquad$
making little progress in spiritual thing
And yet, if we are prepared to sacrill
the praise of men by doing less shon
work, devoting the
and Biblareading, we cunnot fuil
worthy ambition.
less he is better:
troi to-day
mamage nex
might almost say, it ought
Co-morrow, hut our conscons progresm
of apparent standing still.


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and


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

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

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Royal Household Flour never disappoints.
arlule Fleir mills Co Umited, Montreal
 one day last week when 1 nearly lost m
life.
live in a swamp with several
a



 rested for a while, but, by and by, the heard it very distinctly, for they had
dogs tound mo agnin, nnd away I went. hot scent of my. little ones, and I began


 started poking sticks tramed around on away formin thene prety well frightened








 My leg inn dor now, .
$\qquad$
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## GOSSIP

gates claimed

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()ECFMBER 16, 1909


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gossip.
J. w. richarnsows. holstain




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ar G. TR

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quality and breeding, and from beat mille. ing strains.
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DECEMBER 16, 1909
QUESTIOMS AND ANSWERS Veterinary.

For several months my cow has had shortness of breath and a cough. So her flesh be fit for use Ans.-The symptoms stronsly indicate tuberculosis. There is no definite means of diagnosing except by the tuberculin test by a veterinarian. If she is tuberthere is

INDIGESTION
I bought a mare at sitlo, and next day domach.
of indigestion.
Ans.-Give her a purgative of 8 drams wioes and 2 drams gingere, und fullow und nux vomica three times daily, and add to her drinking water one-fifth of its bulk
of lime water. As she is prodispeseded to ndigestion, it may bo necmssary ti" con-

Miscellaneous
be Steel Silos.
Some time ago, your paper of a fi building steed silos, but caunot find th
paper now to get the frm's address. Ans.-Waterons Envine Works Coo. I.td.
Brantford. Ont. is the address of the FERTILIZERS FOR OATS ON LIGHT, SANDY SOIL. lizer would you recommend for use on
light, sandy ground. The firld is to sown in onts, seeded duwn with timothy
and clover next spring ?
2. State where the fertilizer may be 2. State where the fertizer may
procured, and cost.
3. Also state quantity required to th
acre, and the chranmet way it may , acre, and the chramest way it may ${ }^{\text {and }}$,
applied. Ans- -1 and 3. A suitable commercial
fertilizer for oats ion a litht sandy soil lertilizer for oats on al libht, sandy soil
would be:

120 thes. nitrate of sodat.
250 lbs acid uhasphate.
100 1bs. muriate of potash.



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275 BURLINGTON SHORTHORNS 275
 choice yearlings - 2 reds and 2 roans W S A HEIFERS 30
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Scotch breeding and hibicclass ndividuality. horras, be sure tolook me up. Young bulls fit for

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SHORTHORNS Nine bulls from 8 to 20 months old, reds and roans
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arline
yearling rams. Prices very reasonable tid
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 Shropsbire shearling rams and
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 Bxaprin or pirici sior ouht widem
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HOLSTEIN CATTLE!




D. C. Flatt \& Son, Millgrove, Ont. $\frac{\text { L.D. Telephone 2471, Hamilton. }}{\text { Hich-lass Holsteins }{ }^{- \text {Head on herd, Pietje }} \text {, }}$

 Dekol, out of officially-tested cows.
onville, ONT, STBVENS, PHILLIPSVIL WM. C STBVENS, PHILLIPSVILLE, ONT,
Evergreen Stock Farm offers for $\begin{aligned} & \text { ofle } \\ & \text { choice young } 10!\end{aligned}$ stelm bults. from 10 to 12 months old, sired by Si
Mercena Faforite whose dam and sire's dam have
 nt. WORLD'SCHAMPION BRED BULL Grace Fayne 2nd's SIr Colantha.
 sire's dam and sister is 3235 lbs. Average milk for
one day of dam and sire's dam is 104 lbs. Choicc young bulls for sale.
M. L. \&. M. H. H. Haley, springford, ontario Maple Glen $\begin{gathered}\text { For sale: :Two 3-year-olds, bred } \\ \text { to a son ot Brown Bros. } 30-1 \mathrm{l} \text {. }\end{gathered}$ HOLSTEINS $\begin{gathered}\text { cow due to freshen next March } \\ \text { Netherland Johanna Mercedes }\end{gathered}$
 June, sired by King Fayne Segis. G. A. GILROY
Glen Buell, Ont. Long-distance 'phone. Maple Hill Holstein-Friesians Thre--year-olds. two-year-olds and yearlings heavy
in calt. Alsw choise heifer calves. Visitors
met at station by appointment. G. W. Clemons, St. George, Ont. The Maples Holstein Herd ecord-of-MERT Headed by Lord Wayne Mechthilde Calamity.
Nothing for zale at present but choice bull calves
fomipe from Record-of-Merit dams.
Walburn Rivers. Folden's Corners, Ont. HOLSTEINS AND YORKSHIRES
 DONTT
 $\frac{\text { ABBott. Ha }}{\text { Holsteins }}$ Holsteins ${ }_{\text {bired }}^{- \text {Maple }}$ Grove offers a a tew richly Sir Abbekerk De Kol zond and Mercenàs sir Posch
also young stock
ared also young stock sired by above buls. For
tion and prices write M. BOLLERT, Cassel. Omt.

THE FARMER'S ADVOCATE

## GOSSIP.

Where dairies or butter factories are
or where the milch cow is a factor for other purrosese than the sale of milk as
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used with
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more fudicic.asly ued with other and more
substantial toods, he trives,
grows and
and substantial loods, he thrives, grows and
fattens, utilizing a by-product of tre Yatens,
mendous volume which, without the pig,
would represent little of available value would represent little of available value
It is said that the skim milk from the It is said that the skim mik from
butter factories of New York alone amounts to nearly a billion pounds in a
single year. The use of this skim milk single year. The use of this skim milk
does much to give relief from monotony does much to give relief from monotony
so common in the hog's feeding, besides adding to the returns from the other or main foods with which it is given, and
every hog-raiser is glad to have it.
From Coburn's "Seavyweight" in more ways than o is Heavyweight Leslie Emslic, Manager the Domin-
ion Agricultural Offices of the Potash
ion Syndicate, and author of a most in-
structive series of articles on commercial structive series of articles on commerclal
fertilizers, published two yoars ago in
"The Farmer's Advocate." A Scotchman by birth and education, Mr. Emsli is persona gratia to a considerable num-
ber of our readers, who will be inter-
ested to learn of his prowess in the athletic sport of hammer-throwing. A

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 While some tobacco is produced in
most every State, less than 1 per ce




(1) cigar tobacco, and (2) chewing
smoking, snuff, a and exportt tobaccos. In
1908, something more than 150 million

## the United States, and nearly four time that amount of the other types.


and rapidy-increasing, production of thi
type in Georgia, Florida nnd Texas

in Kentucky, Tennessee, North Carolinn
Virginia, and South Carolina.
Tobacco production is largely confint
to certain clearly-defined districts, each
which produce a special type, and fills a de


An interesting study of "Tolvacco an
Districts" has just heen completed by the
U. S Department of A criculture, and th
results have been issued in a circul
(Statistics. No. 18) for distriluation.
A man, who looked to be a giant
strength, brought his meck little wite
fore the magistrate, charging her wi
cruel treatment of himself, an unc
trollable temper and an incorrigitle di
position.
The magistrate looked the big fello


 Electric railway connection from

Brantford and Hamilton. Good
barn. Catalogues on application.


## Dispersion Auction Sale of Holsteins AT HESPELER, ONTARIO,

THURSDAY, DECEMBER 23, 1909
40 Head Registered Holsteins, Also Horses, Pure-bred Poultry, Implements,
Barn, and 47 Acres of Land Within Corporation.
Among the Holsteins are 20 cows and heifers in milk, 10 with calves at e. Record-of-Merit cows, with records from 12 to 22 lbs. butter in 7 days, ecord per cent. He is sire of champion two-year-old heifer of Canada; record butter, 7 days, 20 lbs ; milk, $434 \mathrm{lbs} ., 7$ days; milk, I day, 63 lbs . He is sire of two highest testing two-year-old heifers sired by same bull in Canada, milk, 60 records at two years average : butter, 7 days, 18.69 lbs.; best day $s$ mik,
1bs. 20 cows and heifers bred to him of the leading strains, with high official backing ; their calves will be valuable. An opportunity to buy choice stock. backing; their to commence sharp at one o'clock.
Sale of cattle to interest at 6 per cent. Farm within the
R. stations, miles south of Guelph on G. T. R.. 5 miles from Galt on C.P.R.
Electric railway connection from Waterloo, Berlin, Preston, Galt, Paris,

David Rife \& Sons, Proprietors, Hespeler, Ont Ont., Auctloneer

## AUCILIOIT SALEコ 45 Holstein-Friesian Cattle

Thursday, December 30th, 1909


 the farm at 6.30 and 7.30 p.m. .
Sale commences at one oclock sharp. TERMS Cash or $5 \%$ on approved notes. Auctionectr-w. ALMAS, Brantiord, Ont:, E.J. wIGG \& SON, Carvuea, Oat

CALEDONIA, ONT

## Holsteins <br>  H. E. GEORGE, <br> CRAMPTON, ONT ARIO CENTRE AN <br> $\qquad$ Fairview Herd  E. H. Dollar, Heuvelton, N. Y.

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THE FARMER'S ADVOCATE



Stonehouse Ayrshires all

STOCKWOOD AYRSHIRES


## GRIT and GINGER WIN SUCCESS!


you want to make your mark in the world? Do you want to live

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& \text { help you a man who called on me the other dav-a skilled mechanic; went to a technical school ; } \\
& \text { Talked with a } \\
& \text { and }
\end{aligned}
$$ actuated doctors had told him that, but had no ambition, no energy, no grit. Knew he didn want to Manks of the whe

Misfortune ever dogs the Weak Man-the plodder. About as much fight in these men as there is in a Business of every kind is a battle. Life is full of opportunities, and if a man is always "on the job" has the Grit and Gumption about it. lou can't run a locomotive with lukewarm water, and you can't win Success unless your body is full intists of the world, and that is the remedy that offer you. (ive me a man who suffers from weakness-broken in health and spithy mectric Belt. With my system
Manliness of a brave man, and I can put new life into him with my Ele treatment he can conquer his weakness, orer ind will give you the Belt on trial, with If you don't believe in Electricity, let me treat you at my risk. I will give your hase, and you can

## PAY ME WHEN CURED

e not won by weaklings. The man who drags himself Tong with a weak back, a stome successes that feelle as athough he had a chunk of lead in it, is the fellow who strife the continuous current of Electricity poured into your body hour after hour a Imagine the effect of a mild, continuous current of Electricity poured into vour body hisur invigorating current of Elecfives fresh impulse to all the functions of the body.
 ore sold as an My Belt, is not a cure-all, but, as I can prove from statements of people who have used is a positive and rasko, Sciatica, Weakness of the Rack, Weakness of the Nervous System, Sleeplessness s every sign of mental impairment and physical breakdown Men and Women. Here I give you a sample of the kind letters I receive every

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next 30 days Order at once and get the pick
and
 The other day a man took his younc, He hated to see the soft little curls cul
off, but his mother decided they must go. As the barber tied the town whder yo
laby chim, be remarked. How do you
want your hair cut.

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| Statement of a Man who Suffered for a Year From Different Forms of K ney Disease. and Fou |
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THE FARMER'S ADVOCATE

QUESTIONS AND ANSWERS. Veterinary
WATERING HORSES - ROPE 1. I would buRN.
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 ditions, he should be treated nceorn 2. Dress thum tines dally wit equar

Miscellaneous
TRESPASSING PIGS

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 and easy to operate. There is no bette
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necessarily necessarily Fo.. greater than, is yet re readers not comer canct of those of ol a tew of the move we will enumerate
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feet. tossing of the head, champing of the jaws, a more or luss profuse flow
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Horsus shaw their fury ing anything in reach, or their own leg also hick at movine got at They wing ornary ot
iects. Soon there is more or less los

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