## PAGES

MISSING

OCTOBER 1, 1908
the spice of life
 And Mo oley minheot thas other ery And turrad instead to butt her. -Did you see a man and a woman
drive past here in a trap about an hour arive a
ago.' atective asked Mrs. Blank
'Yes," answered Mrs. Blank. "Yes," answered Mrs. Blank.
"Ah!" said the detective, "now we'r getting on the right track. What kind
of a horse was it?". "They were driving so fast I
I didn't
notice that." replied Mrs. Blank.
"But te woman had on a Scotch mohair and ( ${ }^{\text {e }}$ woman had on a Scotch of turquoise blue (last year
ol style), stitched lines, a white pique skirt
with deep circular flounce, a satin straw with deep circular flounce, a satin straw
hat, tilted and rather flat, trimmed with hat, tilted and rather flat, trimmed with
hydrangeas and loops of pale blue surah and her hair was done up Pompadour. That's all I had time to see

A large German woman held up a long
line of people at the money-order window In the Boston post office the other day, on her. She wanted to send some mock to her son, a sailor on a merchant steamer then in foreign waters, but when
she presented the dow the clerk Loticed that the address was lacking. "Well, where do you want
to send it?" he asked. "Wo you the money-order unless you know the name of the place." Yah, dot's de
trubble," she replied. "I didn't pring his letter und II can't remember der name of der town, but it's some place out by
China, dot sounds like der noise an automobile makes." "The two clerks
looked at each other dubiously ...What looked at each other dubiousiy. "What
kind of a noise does an automobile make?" asked one. "Honk, honk," suggested the other. "Yah, dot's it!" exde place." "Fill it in Hong Kong'" said the clerk, and she paid over her money with a smile of relief.
teaching the judge sense. An amusing anecdote is told of the
celebrated Chief Justice John Marshall. Returning one afternoon from his farm near Richmond, Va., to his home in that
city, the hub of his wheel caught on small sapling of his wheel caught on a
by the roadside, moments to extricate che filly for some the sound of an axe in the woods, and saw a negro man approaching. Hailing
him, he said: "If you will get that axe and cut down this tree, I'll give you
dollar." "I c'n git yer by , axe, ef dat's all yer want." 'thout no that's all," said the judge. The man
simply backed the horse until the wheel was clear of the sapling and the
brought the vehicle safely around it "You don't charge a dollar for that, do
you"." asked the astonished chief justice you"." asked the astonished chief justice.
"No, massa; but it's wuf a dollar to
"o learn some folks sense." The quick
witted darkey got his dollar without fur ther questioning.

## Who Bides His Time

 Tho bides his time, and day by day Faces defeat full patiently,And lilts a mirthful roundelay, And
However poor his fortunes be He will not fail in any qualm
Of poverty-the palury dime Of poverty-the palury dime
It will grow golden in his palm, Who bides his time. Tho bides his time-he tastes the sweet Of honey in the saltest tear:
And though he fares with slowest feet, Joy runs to meet him, drawing near
The birds are heralds of his cause : And like a never-ending rhyme,
The roadsides bloom in his applause Whe roadsides bloone
Who bides his time.
Who bides his time, and fevers not
In the hot race that none achieves,
 With crimson berries in the leave
nd he shall reign a goodly king, And sway his hand o'er eve
With peace writ on his signet
Who bides his time.

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epistle of Pl Pbearn, thired chapter and
verse.
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scribers in the following novel manner All persons knowing themselves indebted to this concern are requested to call
and settle. All those indebted to this concern and not knowing it, are request-
d to call and find out. Those knowing ed to call and find out. Those knowing
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ng to call, are requested to stay at one

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 <br> <br> and Home Mragazine}

TARIFF MUST NOT BE RAISED
In view of the strong and well-organized in
fluence exerted by the Canadian Manufacturers Association for increased tariff protection generally, and particularly just now on behali of the woollen and cotton industries, it behooves the agricultural class to examine very fuly into the arin chedules that are Iready high enough. The duty on woollen goods aready high enough. ordinary use or wear, now ranges from $22 \frac{1}{1}$ up to 35 per cent, while the tariff on cotton goods is also considerable, varying according to the particular line of goods. In both woollens and cottons there are some materials admitted at less than the usual rates of
duty when needed by manufacturers for conversion into more highly-finished products. In every reasonable way, therefore, textile manufacturing is assisted and promoted by our tarif; yet, so far rom being satisfled, th
or increased protection.
There is no doubt that Canadian manufacturers have come to exaggerate the value of a tariff to themselves. They overlook the fact that while inder a system of lower tariff thoy would receiver hand, be able to produce much more economically, and, moreover, the stimulus given to the basic industries of the country (agriculture,
lumbering and mining) by decreased cost of living and of material, consequent upon tariff reduction, would provide a far larger and more prosperous home market for the manufacturer to exploit. The familiar argument that the Canadian farmer can be made prosperous by bolstering the canadian manufacturer, while it eotting the cart before the force, is very much like puke the manufacturer prosperous is to make the farmer prosperous, and the perous is to make the farmer prosperous, the tariff
way to do that is gradually to reduce to a minimum. The way to build a house is to lay the foundation first. A prosperous agriculture is the foundation on which Canadian developare willing to make reasonable sacrifices for th sake of building up a self-reliant country, with diversified industries and occupations.
The important question that presents itself is How high a tarif on manufactured gooas should we maintain. Extreme prough to prevent all imports of foreign goods that could be produced in Canada. Som "ould go the lenge to encourage a hothouse in dustry in Canada, thus compelling consumers to pay for worth down all tariff bars, build up a prosperous agricuture, and decrease the cost of thereby affording sequentiy, favorable field to manufacturing enterprise, with out artificial means of limiting supply and a vancing prices. Our own view das who urged expressed by a farmer the other day the maximum of customs revenue, which a somewhat lower than the present which cannot be Any established industry, he said, wrotection as is made to pay under such degree of protectarif, the
incidentally afforded by a revenue tial more than it is worth. We commend this view to those whollen duties agitating for an increase in as already so high as to incruase the cost
f.OSDON, OXTMRIO, october 1, 1503
i wooll: n flothing from 25 toe 40 per cent over
and atove a natural competitive rate. We enndustry, but if it cannot get along without this much protection, we had better improve its relaive position by reducing the protection on some other lines of goods.
However, when the business depression has passed, the woollen industry will naturally revive What most Canadian manuon and a little more eelf-reliance and resource. When the farmer finds that his business does not pay, he has to find some other way to make it pay. When he could no longer make a profit growing barley, he turned to butter and cheese. When the manufacturer finds himself in a similar predicament, he hies him to the Government to pray for more protection, thereby seeking further to increase the handicap on ags. Whe thine must stop hines of business. else it will eventuan reablican neighbors. It is time to turn the tables and begin gradually reducing the degree of protection to manufacturing interests, so that each industry may stand on its own feet, and those that are not well managed or not well adapted to the country, may be gradually organized or weeded out. In the end, this will redound to the advantage, not only of the farmer, but of the country as a whote. Favoritism has had a long day. Let

TECHNICAL EDUCATION NEEUED.
Though unable to agree with the Canadian Manufacturers' Aseociation in its resolution calling for higher tariff protection to Canadian industry, we do most heartily endorse and approve their demand for a general system of technical captains oí industry may be trained to a greater degree of proficiency. As President Roosevelt has very truly said, the kcenest compe industry has to meet is not from the cheap-labor countries of Asia, but from those countries of the highest degree of in dustrial efficiency-Germany, for instunce.
Urben as well as.rural school education requires revolutionizing, and it must commence in th Common school; so that, from the very beginnicu of his education, the manual and in consonance. ties of the child may be deveroped manual train chool-gardening and nature stude, must be in ing ande, prolic sclioo In the rural school, the emphasis will naturally fall on gardening and nature study; in town and city schools, manual training may properly receiv the greater degree of attention. in the cominon With such a foundation and colleges may con schools, the High Schoois and child's faculties by tinue the evolution of che chial science into the veaving principles or ariculum; while in the city ural Aigil-schoon with a bent for arts and chools, may be offered a course of instruction that will develop them into proficient workmen, instead of heading them off from the occupations for which they were cut out, by stuffing them with an academic and purely bookish education, and case ally graduating them into second The problem of teachers, doctors and awh and pressing technical education is and action. one, calling vor immediate atlention and Canadian and the vote of $\$ 5,000$ ortered Manufacturers Assocorting upon the matter, is an act of generosity the fruits of which will reward the donors and their successors manifold.

## JUDGES AND JUDGING

 The principal autumn fairs are over for an-解 jear, and judges of the live-stock classes have been subjected to the usual amount of criticism of their work, in some cases favorably,in others otherwise. The sympathies of those who have had experience in this capacity are with the men who, with honest purpose, accept the responsibility of the position, submitting themselves to possible adverse criticism, while doing the work to the best of their ability, according to for comparis the animals brought wefore glad to believe that, with but very few exceptions, the work is, in this country, undertaken and prosecuted in the spirit of manly fairness and impartiality. Moreover, we are satistied, from exther country is ence and obse conscientious and impartial adjudication the rule than in Canada.
The statement that we have seen more glaring misjudgment performed by officiating judges at the Royal Show of England, and at principal fairs in the United States, than ever we have observed in Canada, may surprise some, but it is, neverthe less, our candid opinion. And just here we may state we are proud to believe that in no country is a higher sense of personal honor and fairness entertained by stockmen and farmers genaly, by judges particularly, than in our own Domin complaints Nevtheless, airs each year, regarding al complains improfer, incapable or unfair judging in leged improper, asses, and, we regret to say, in some instances, with apparently good reason for censure. While it may be possible that, oc casionally, and, let us hope, rarely, judicia authority is entrusted to a man so devoid of prin ciple as to be capable of prostituting his judg ment and his honor in return for the infuence of n exhibitor in securg he in which the exhiliton of judge of the are glad to believe that sich instances are few and far between, and that he cause for complaint, where well founded, is more generally due to incompetence, weakness of character, lack of knowledge of the approved type of the classes of stock assigned him, or want of confidence in his own judgment on the part or the man appointed. And if any of these are prese, when it is not strange that most experienced and capawe reffect that even liable to occasional lapses in rating large and close classes. The important point thereiore, to be observed and guarded is the appointment of only capable men, experienced in breeding or handling the breeds or classes of stock they are invited to pass judgment upon. And, from observation and report, there is, we regret to say, too goon reason to conclude that, in some instances, in recent ycars, too litte consideration has been character and qualication, eve the larger and appointed to the posibitions in this country, while more important complaints have been made of the general work of some of those appointed to officiate at local fairs, where, to save expense, one man, of imited experience and ability, is sometimes en trusted with the judging of several classes of stock, if not of the whole ilo stock rom horses to swine.
It is difficult to conceive of a person conscious of unfitness for the work consenting to accept so important and responsible a postion as deciding may have spent much money and a whole year's work in their fitting and preparation, and who, from experience and training in the handling of the
the Farmer＇s Advocate

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class of stock they exhibit，know whether，while
class of stock they exhibit，know whether，whine
making due allowance for honest difference of opinion，they are receiving their just due． yet it is regrettable to know that it is charged that－let us hope in but rare instances－men known to be unfitted for the work have applied for the appointment and undertaken the responsibility for the sake of having a good time．or for the money there may be in
The breed societies which nominate representa－ tives to fair boards，and a list of judges from which fair boards are sed，have not set as good an example as they might in the filling of these appointments and lists．And if there is good ground for the complaint heard，that representa－ tives to fair boards have，in some cases，used their position for personal advantage in the nam－ ing of judges in classes in which they are incos ested，it is up to the breced socicties to deal dras tically with such abuses，and to exhibitors place themselves above suspicion in this regard． tion of justness and fairness，as between judge and xhibitor，the judge is reasonably expected th know the standard of type and quality in the judicate，and that his work should show con－ sistency in the light of those standards in so far as the material brought before him admits，and that he is，in that respect，supposed to be an educator，as well as an arbiter，the position of a judge is one that demands cted with the appoint onts，and on the part those accepting the responsibility

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## OUR MARITIME LETTER

With the fall fairs only completing their long－ drawn－out series，it may to some seem a bit tedious to commence the propaganda for the winter ones at once，and stirl，sucte the success which every sary if they are to be made country could ardently wish．The fall fairs all round these Maritime Provinces have been wonderfully successful．The weather was propitious；the products of the soin and flocks and orchard were up the of the people to the most part，worthy institution for its lessons and pleasures，has been growing more and more
general with years．If exhibition－going is to be general with years．If exhibition－going is some thing in preparation to engage the people＇s atten－ tion and call out all their skill in the preparation
of exhibits． exhibits．
The Winter Fair at＂Amherst has grown quickly
in public attention．it is not yet crowned with up in public attention．it is not yet crom the very first，it filled a want so long felt in the communty that it was a most successtul adiair，accorde eight years ago，was effiected through the Department of Agriculture，at Ottawa，and Live－stock
sioner Hodson，with all the experience of Guelph， sioner Hodson，with al whe of the most－prized ad－ juncts to the system of agricultural education， long inaugurated in Ontario，before him，worked
out，through a Board of Governors and a Superin－ out，through a Board of avern their President－the
tendent－Mr．E．B．Elderkin， details of the whole work．The Federal Govern－ ment made the new institution a substantial grant，the three Maritime Governments subscribed erected the buildings，and the fair was started with an impetus not generally felt by such insti－ tutions until after weary years of upward string of Live－stock Commissioner Hodson，a disposition was evinced on the part of the Government at Ot－ dawa to throw the entire the work through the directors，instal officers．They were willing to make a straight grant to the Fair，together with the
other Governments conerned，and expected that the Board would so administer and report the grants as to meet with the approbation of the
givers． were guaranteed，it was resolved，at the last
wers annual meeting of the association，by the new of－
ficials，to operate the organization on its own bot－ ficials，to operate the organization on its ons．
tom，with the usual Governmental grants．
condingly，the new Board，which is composed of
F．B．Elderkin，President；Col．H．M．Campbell， E．B．Elderkin，President；Col．H．M．Campbell，
Vice－President for New Brunswick；C．A．Archi－ bald，Vice－President for Nova Scotia；Rev．A．E．
Burke，Vice－President for Prince Edward Island； Burke，Vice－President for Prince Edward Island；
W．W．Black，R．W．Starr，S．A．Logan，Bliss M． Fawcett，Geo．E．Fisher，M．Roper，named F．
near，Walter Lee，and J．A．Rect
Fuller its Scretary－Manager，and set to work ce arrange for the Fair for 1908.
Manager Fuller has been able to make such progress as will surpass，both in the exhibits and the amount of premiums offered for them，and the
prospective attendance of prople，the greatest of prospective attendance of prople，the greatest of
the Maritime Winter Fairs so far attempted． Whilst the Secretary＇s offices and management have been removed from the city in which the Fair is held，and where general offices were pre
viously maintained at considerable outlav，to Truro，where Mr．Fuller has offices of his own，as
Superintendent of Institutes for Nova Scotia，in Superintendent of Institutes for Nova Scotia，in
connection with the Agricultural College there，he has quickly and effectively seen to the issuance of
the new prize lists and fair regulations，and been active in securing the usual special prizes from pultic and friendly sources，whe ren of the fair．The been judiciously selected，too，and the necessary secured．with Mr．Hall．of the Halifax Provincial Fxhibition Company，at their head．
The priza list for the coming fair has been con sideratyy revised and extended，the dairy classes， poultey．sheep，and swine very considerable fear
tures af the fair，receive additional attention：and the fruit，grains and apiary products will he bet－
ter clasified than heretofore．The 1 Buard has heen
in cousultation with tha live－stock，poultry，fruit and homey orpanizations
which onerate under the Maritime Stock－lizeoders Association：and whilst，in othor，cars，there have prizes，etc．，in dispute，this year the lists having
heen made u；with the special approval of all oncerned，and all friction removed，it is but na－ Whilst the catto ohoseses have always woll，ant the showe and swine show been admi able for the Maritime Provinces，the poultry de partment of the fair bas made the greatest and
cestritions which very much embarrassed exhibi irs and judges alike．These disabilities have no encouragement the institution can afford fancier： a very marked incr
is bound to result．
The seed department－only a year or two old The seed department－ons a has also given great proof of usefulness in exten ing the good－seed movement，and the way the ex hibits have multiplied has been the real surpris of the show．Last year a goon mand and it is but good prices，expect that it will become a favorite grain－exchange occasion among careful growers and seedsmen for these Provinces Winter Fair has done
The didactic part of the Wint much good to the country，as much valuabbe in formation on the whole range of animal husb in has been afforded the farmbe．The herdsmen of most practical way por the industry，and the best experts in judging，have willingly put their experi－ ence at the disposal of the visiting public．In this way a great and the husbandman cheered on his way to better effort in his special work． The auditorium at Amherst accommodates alout 2,000 people，and it is always fur when the
speakers impart their lessons at the evening ses－ speakers
sions． Besides the direct advantage to the breeding and
tending of flocks and herds，and the knowledge im－ tending of flocks and herds，and the knowledge im－ deal of good eventuates to those attending，from the social side of life，in the acquaintances made and friendships formed．This Maritime community
has a duty imperativelv imposed upon it now of has a duty imperatively imposed upon it now o
knowing itself better，that it may the better work knowing itself better，that it may the the public leaders are met and measured，to some extent whatever，and when the moment arrives，the Mari－
timer is，as a consequence，better able to throw him timer is，as a consequence，better able to throw him－
self into the vital movements on which progress and self into the vital movements on which progress and course，then，as well as in the many other way we have instanced，the Winter Fair is the one
great common meeting－place of the Provinces down great common meeting－place of the
here，and as such，its value cannot be estimated in words．It should not be necessary－it is not necessary－to exhort the neople of New Brunswick with greater generosity than ever the eighth Mari time Winter Fair，to be held at Amherst，on No Nember 30th，and December 1st，And and 3rd next， and thus help themserves ar arice interest in these Provinces，which．whatever may be said about iron，steel or coal，is their basic industry，and a such to be fostered and extended．A．E．BURKE

## HORSES

## IRISH HORSE－BREEDING SCHEME

The Irish horse－breeding scheme has done much to
promote the interests of the dififerent breeds Fmerald Isle．In 1901 the Department of Agriculture registered，and so，in a manner，subsidized， 97 Thor－ Last year the Department subsidized，or in Thorough－ horses not eligitlates， 26 Shires and 38 hunter sires－ studbook，but to all intents and purposes pure－bred． The total was $2 \pi 6$ ，and it will be observed that there is quite a considerable relative increase in the number
of Shires．Clydesdales have only about doubled in the ix years，while shires have fully trebled．In respect the nominations of mares，almost the same propor－
ions hold．In 1901 there were 1,102 nominations for horoughbred sires， 328 nominations for Clydesdales， nd 114 nominations for Shires，or 1,544 in all．In
1907 the relative figures were $2,404,727,226$ ，and 315 hor half－bred sires；a total of 3.672 ．Consequently， While the number of subsidized Shire stallions has been
rebled，the number of mares nominated for them has only doubled；whereas，while the number of Clydesdale stallions has only been doubled，the number of mares
nominated for them has doubled，plus 72 ．The amount

REGULARITY IN FEEDING

## and the is fed regularly will be in better

 than one that is fed irregularly will be the day him．and dors not weary for his meals：whereas a really satisfied，and will worry while waiting for his carcless attendant and his meals．Irregularity vices No more straw or hav should be placed lutore a horse in the morning than he well eat up chatinly in an hour，a less quantity should be given get any mint．that will evening he should never night Regularit：in feeding is tingerve him oveCLYDESDALE JUDGING AT TORONTO
f.ditor
I have read with interest and, I must coniss, to six mom and. had better be weaned at five a good deal of surprise, your criticisms on Mr. kit in a ion stall with the dam part of each Jas. Weir's awards in the dificrent clasees of dav for some time before weaning, and, while the
Clydesdales at the Canadian National linhition. mare is tied, sime chopped oats and bran kept in
 the same stamp of horses right through. no mat- to the foal twice or three times a day, and the ter whether they are set on a right ioundation or ly, or, as sme prefer, the foal may be weaned (as you say), and have a fine arched neck, but hy taking it away from its dam at once, for
 begin with, must be right on the ground; he must the foal call, and milked twice a day at first, and
have good open feet and well-sprung pasterns, later once a day. to avoid trouble from mamhave good open feet
gotherwise he will be
hike the house built
 at the Toronto Ex-
hibition: he came to give his awards to the various Clydesdales placed before
him, and I am proud to think that my old friend has as much
Sootch pluck within him as to give his awards accoralors or of your there are two foals on the farm to be weaned, it so-called adverse criticisms from the grand-stand. is better to keep them toge loneliness. After th I am quite sure I am expressing the senti-
ments of the exhibitors at Toronto, and also of ments of the exhibitors at Toronto, and also of all the breerers when I say, "Long may Mr. Weir continue to be in the future, as he has so worthily been in the past, a breeder and judge of bur fa orite Clydesdale.
Brant Co., Ont

dehank
Shampion Hunter, nublin Horse Show, 1908
continued through the winter, the amount of grain and other feed being gradually increased as the
oal grows older. Attention should be given to his hoofs, which will be liable to grow long and unshapely unless trimmed and rasped occasionally
to keep them in good shape.

## LIVE STOCK.

## SPECIALLY-TRAINED JUDGES

Ontario Farmers' Institute representatives have decided that something should be done to guaranee satisfactory judges at the live-stock exhibiact in that prity the test to be conducted by Professor Day of the Ontario Agricultural College. Will such an examination render aspirants capable of passing judgment that will meet with the approval of even the majority of exhibitors, or of those who are interested in the placing of the ribbons? That it would be a move in the right direction, seems probable. The more training under expert tutelage, and the greater unf for concerned. show-ring awards, tat and buaranBut before reasormity of ideal and type must go beyond the men who pass judgment on the entries. The breeders must be acquainted with the breed characteristics and the particular type of the breed that is considered by expert judges to be best suited to conditions, and to the objects for which the animals are reared. Ideals arrived at, the next thing is to reproduce themlem that taxee animal, and this Until uniformity of type in the different breeds of the various classes of stock is agreed upon, difference o opinion is bound to exist at stock shows ; and even when all breeders and exhibitors have common ideals, there will be room for difference of opinion in rating the candidas approximat
it. It must be recognized, too, that absolute adherence to an arbitrary standard on the part of all its breeders might hamper the cause or shoe improvement is the best type for a purpose? Many a teck breeder who departed from orthodox stand ards has proven a true friend of his breed by demonstrating a type of greater value and usefulness. Out of the chaos of conflicting opinions our highest ideals gradually evolve. However, it is well for every judge and breeder to be fully cognizant of what is the latest and best to date. And in this regard
further improvement
One breeder of Clydesdale horses selects the strong, rugged type, while a neighbor decides that the finer-boned, compact horse is the best ; one Shorthorn man claims that the massive animal that develops into the greatest number of pounds of beef in the shortest time is the one he wants,
while his brother breeder desires a strong beef type, with fairly-developed milking propensities ; an enthusiast with Yorkshiro hogs agrees that, to ,e in the front ranks, he must select the bacon type, but his fellow breeder choses a type that considers develops more rapidy, and makes. greater returns in dollars and cents for the food con-
sumed. Under such conditions, how can a judge sumed. Under such conditions, how can a judge
slease the mass? As a rule, the awards made please the mass a As a by a recosnized, exhibitors without protest, but not infrequently he discussion at the ringside shows the trend o eeling among the prominent breeders, who, perhaps. ks the judge does.
By all means train the judges, and if need be,
But, in addition, have them stand examination. But, in addition, nothing must be left undone that wifmity of type theng the breeders. To this end, agricultural colleges lend their best services not only in training regular students, but also those To this end. the exhibitions themselves have contributed immensely, as is anparent to those who have watched for a generation or so the gradual aphowever, are not perfect. reing but human institutions, and it is urreasonable to expect that expert judging will be secured at ald. in the main steadv nrogress in judicial knowledge and efficiency is registered from year to year. If an examination of jurges will do anything the examination, it
imnrovement, well and good. The adopted. however. should be but the conclusion of adopted. however, ondrainirg
the American Breeders' Association, Washington D. C., by becoming a melmber of the Association, tself, well worth the price of membership. Minnesota Experiment Station.

CIRCUIT BREEDING OF MILKING SHORTHORNS
Editor " The Farmer's Advocate ":
Since 1894, the writer, in connection with Prof. W. M. Hays, has had under consideration the
problem of fixing or redeeming the milking qualities in Shorthorn cattle. The movement has slowly gathered strength, until, in the year 1897 ,
it was put in formal shape through aid given by the it was put in formal shape through aid given by the
United States Department of Agriculture, Bureau United States Department of Agriculture, Bureau
of Animal Industry. The plan is now formulated, and well under way.
It has been a more or less tedious problem to organize, owing to the wide distribution of the
best cattle, and also owing to the fact that it is best cattle, and also owing to the fact that it is
very difficult, at the present time, to find sires which are known to possess strong milking qualities. The
A thorough canvass of the State of Minnesota was made during the year 1907, and all promising Shorthorn cows were located. A personal in-
spection of each herd of promisp was made by a representative of the Experiment Station. It was made a point to visit the herds at milking time, or at least at such a time that the representative
could ascertain accurately the amount of milk given by different animals in the herd, and also something of the method of managing the herd. From the records and reports thus obtained,
eight or ten herds were selccted as being good enough foundation stock for an experiment in animal breeding, which is probably of national importance. The eight or ten herds selected were scattered in various parts of the State, making
the work of organizing more or less difficult. It was stipulated that no herd would be included which did not pass the tuberculin test. As a conthe time came for organizing. The men who owned or were interested in the herds that passed the test were called together at the Minnesota Station in December, 1907, and organized into a Minnesota Co-operative Circuit Ass'n. for breeding Treasurer. The President of the Association, together with the Professor of Animal Husbandry of the Minnesota Agricultural College, and the
Animal Husbandman of the United States Department of Agriculture, form the Circuit Council, and Circuit Superintendent is employed who has general supervision over the feeding and manage-
ment of each herd in the circuit. He also keeps the milk and butter-fat records, and approximates the feed records, dealing with the members of the
Association, and also with the Advisory Board. association, and also with the Advisory Board. individuals as possess the milking form and qual ity to a considerable extent. These cattle are grouped, stabled, and fed for milk production,
largely. All cows must be milked, and a three largely. All cows must be miled by the Superindays record per month secured
tendent. This record includes the pounds of milk and the per cent. of butter-fat. Only cows which conform to a certain standard winctor retained in
the Circuit. So far, no distinction has been the Circuit. So far, no distinction has been topped cattle, though the best milkers are usually
lound among the lates-bred stock. ound among the Bates-bred stock.
We are working only with animals registered in
the American Shorthorn Herdbook. Special at tention is given to securing sires that come from only milking strains. In fact, the strain of anion the performance of the individuals in each herd, and so far as possible upon the record of their
ancestors. All records are under the supervision ancestors. All records are under the supervision
of the Circuit Superintendent, who is responsible of the Circuit Superintendent, who is responsible
to the Department of Agriculture and the State Experiment Station. For the time being, it may be necessary to sacrifice the beef-making qualities
of the animals, in order to establish fully the of the animals, in order to establish fully the
nilk yield, which we regard as the important consideration
While the project appears, on the face of it, to be a movement toward developing the Shorthorn importance in the minds of the originators of the movement. The real experiment is to determin whether or not it is possible to organize a numbe in one community or locality, or even one State certain breeds of animals which have great public utility. I believe that any other breeds of stock that are valuable for certain localities can be jus
as well organized on the circuit plan, and to great as witual advantage. I believe that it is through such steps that the people of the United State and Canada will be able to develop the strains of
stock which are more or less locally adapted, just stock which are more or less locally adapted, jus as the people developed their valualle strains of
shire, have
animals in restricted localities.
There are many points of interest in connection
with this work, which could lie brought

TRUE TYPE OF THE HOLSTEIN. Considerable public comment appearing in the agricultural press upon the type of Holstein
Friesian cattle is very properly directing attention to the subject of the true type of the breed. The breeder who, for one moment, in his pur-
suit of higher fat percentage in the milk, forgets suit of higher fat percentage in the milk, forgets
type, is doing incalculable damage to the future of the breed. The true type of the breed is very accurately
delineated in the scale of points. It is to be re delineated in the scale of points. It is the gretted that illustrations of typical specimens are gretted that illustrations of typical specimens are tion. Change of environment of this breed from the lowlands of Holland is doubtless effecting a very slight change in the bony structure of the Ho
stein, tending toward a greater finish or refine ment. Aside from this natural process, it is very doubtful whether any improvement can be made, or should be attempted. The Holland enve is ment, and it has distinguished these cattle in all parts of the world. With it has come the mar vellous and prafitable production or yield, the
characteristic tendencies of powerful digestion and perfect assimilation of food. These characteristics derived from the Holstein, have been importan


Mina Princess
Two-year-old Shorthorn heifer. First prize, senior champion, and reserve grand Champion female, Canadian

National Exhitition,
and exhioited by J. A. Watl,
factors in the foundation stock of the Shorthorn nental ofishoots.
In America, it was the Holland type that, by Its productive power, directed the attention of
agriculturists towards this breed, and it is safe agriculturists towards this breed, and it is sale jority of remarkable yields will show, to those having means of access to photographs or de-
scriptions, the close adherence to the Holland type scriptions, the close adherence to the Holland type
in all these wonderful animals. Large size in the Holstein is the first thing to impress the casual observer, and its importance should never In defining pure-bred Holstein cattle, this fact was duly set forth by the founders of the Herdhook Association, in these words, which should yield in milk or its fat percentave viz. .. Pure ield in milk or its fat percentage, viz. :"Pure-
bred Holstein-Friesian shall be held to mean and refer to only those large, improted black-and-I.-F. A. of A.) ticularly in Wisconsin, has confirmed the wisdom the lireed as breeders in thus defining the type of brecd is uniformly the more profitalle An idea of the size of animais of this hreed,

 height. : who desire further information, I would rufer ther to an article in the annual report of the An
Breeders' Association. which gives a full
m, Ont. $\begin{gathered}\text { milk form. The twist } \\ \text { is roomy, and the }\end{gathered}$
highs and hocks well apart. Passing forward, the shoulders are smoother and Passing forward, in the milk form, but of lighter weight than in the beef form. The brisket is not so wide and ow as in the beef form, and the chest is not so
deep, but the width of the beef form through at the heart is closely retained. In the milk form, the abdomen is usually swung low, and the ribs are steep; but in the milk-and-beef form the ribs
are wider sprung, and the abdomen more trimly held wider sprung, and the abdomen mo less capacious. The general appearance of the bull is strongly masculine, but
that of the cow is no less feminine than in the It may be further emphasizer that It may be further emphasized that the milk-
and-beef form describes a cow of the wedge form, with shoulders moderately thick, deep and broad, crops well filled, barrel well rounded, loin and
hips broad and full, and quarters straight, wide and full.
To this for To this form of these cattle is due their ex-
traordinary constitutional vigor or vital force, and it arfects all their relations to their food, care The futuri of the breed will be greatly enanother, the combination of pedigrees to attain large avrae" records or fat percentages, or by neclect oif proper feed and care in the early life of the mimal. are led to the mating of animals of

ard the weight of the two-year-old bull, Oppe
does 7 th, is 1,597 pounds. The weight of the imported cow. Texelaar, is 1,560 pounds. La th Opperdoes 3 rd, 4 pounds ; the four-year-old heife Opperdoes 3 rd, 1,495 pounds; the three-year-on
heifer, Texelaar 5 th, 1,500 pounds ; the tivo-yen old heifer, Texelaar 8th 1,290 pounds; the yea ling heifer, Zuider Zee 5th, 900 pounds; the bu calf, Duke of Jelmont, nine months old, 710 lbs ., and the heifer calf, Midwould 8th, nine months
and 635 pounds-all raised in the ordinary way without forcing, the young animals running in pas ture from May until November.
Burton W. Potter, in 1906, published the sults of his investigations as to the weight Advanced Registry system, 1894 to 1906
Mr. Potter summarizes thus: " Of the sixty
cows, only thirteen weigh more than 1,500 pounds each, and only twenty-seven surpass the 1,400 pound mark. Only nine weigh less than 1,20 pounds, and the averag, otc. Of the twenty-five bulls, not one weighs less than 1,800 pounds, and only five less than 2,000 pounds. Only three weigh more than 2,400 pounds, and the aver
weight of the whole number is 2,164 pounds. Mr. S. Hoxie, in the pamphlet, "Holstein Friesian Cattle," (1905), writing upon the size of cows, states": " In ordinary milking condition, rull age, they rang
1,500 pounds, With large size as the recognized predominant characteristic of the breed, aside from their beautiful black-and-white color markings in perfectly defined patches or spots, the next general $\begin{gathered}\text { definition relates to }\end{gathered}$ the general conformation of the animal.
There are three defiThere are three defias the milk-and-beef orm, the milk form, and the beef-and-milk The average form of this breed, and
that towards which conscientious breeders
are directing their efforts to maintain and improve, is the milkMr. S. Hoxie thus admirably refers to
the milk-and-beef tw... especially strong in all vital particulars. The bones are fine,
compared with size, and the chine broad with the high and sharp chine of the
extreme milk form. The loin and hips are aroad and smooth, and level rump high with the angularity usually shown in the
breeds of the
possesses HOUGETON.

KEEP MCRE
The constant demand a
at present and for some it
tambs and mutton, certaini lambs and mutton, certain of farming in Canada, comparative cost of protu
cash outhay, statement cash outray, astatement
scarcity of shee in this
pear to accept, though pear to accept, though it
contradiction. Sheep will and mutton on pasturage
stock would fail or starve the farm clean by eating
will not. In summer, sh will not. In summer, sh.
no attendance, and in win
bour each day of a man's time an sures of an Moly the wants of a flock of fity shece to keep
पem in thrifty condition, while, if feed for the meat market, weight may
ably less cost of food and ably less ther class of stock, ani the product, as a
of any ot rule, sells for a higher price per pound than any
other meat, while the fleceo-an annual crop which no other stock produces-generanysel of the nearly
enough to pay for the winter's keel The winter quarters of a sheep, as a rule, require
cleaning out not more than wice during the cleaning out not more than twice during the
winter, and, with occasional fresh bedding, the manure accumulated
soil
fertilizer. There is room on the farms of sois country for many times the number of sheep
this kept, without seriously lessening the crop
now kital now kept, without seriously lessening the crol
acreage or the number ou other stock maintaned
There is mo country in which shen to disease of any sort than in Canada, and the complaint that dogs are a menace to sheep-rais-
ing, applies with no more force here than in other ing, appties Even in England, where sheep are many times more numerous to the square mile than here, dogs are in evidence in the same reja tion, and do damage in proportion, but iarmer
there do not abandon sheep-raising on that ac count. There are many flockmasters in this
country who have kept large flocks for twenty forty years without any serious loss from dogs
and, with reasonable caution, there is comparatively little danger of loss from that source. Owing to the present temporary quarantine chirty davs imposed the the canada trade with that country sheep from ceanaua, best market for breeding
which has been our stock, is being checked for a time, but there is every reason to believe that it will be only for needed for that market, and are popular with reeders and feeders in that country on account
of their healthfulness and thrift, and the present is an uncommonty ravorabi opporta tor radian as most of the breeders of pure-bre ing flocks, as most of the breeders prepared
sheep are heavily stocked, and are dispose of surplus stock at moderate prices, as
Those who buy early in the season will have the advantage of first choice, which may mean a good deal in some
cases. Farmers who have grade flocks will have a good chance this fall to secure a good pure bred pure-bred ewes to form the foundation of a pedigreed flock which will in a few years replace the

## THE FARM.

the wheat fields of the present and
The wheat-growing country on this continent is extending northward. In 1890, the United States
was producing eighteen bushels of wheat to Conada's one. Now the ratio is six to one. Within the next quarter of a century, the available Wheat-growing land ant occupied, perhaps, but no
will be taken upo
Uonger a part of the public domain. We have longer a part of the pubic domain.
vast wheat-growing areas in this country yet, and
vill the next twenty-five years will not witness their
entire appropriation; but wilhin that time at the present rate of increase in acreage, as much land
as can be safely put to the crop will be growing as can be saiely put to the crop , This continent in approching the maxi-
Sum, so far as acreage is concerned. In South America, the wheat-growing areas
is. between the 30 and 40 th degrees of South
 ruguay, and, to some small extent. Mrazil and
The Argenine
Thil, are exporters of wheat Mme into world prominence in 1890 . Wy producin
thirty-million-bushel wheat crop
Previous to
and What year flour had been imported from the States
In 1900 the crop was estinated at $10 \overline{5}$, ,oon oome 1.1.shels. Since that year it has tluctuated somic
what with, however, a qoond incrasese on the whole
when

farming incthots nrew being introduced, but it will
 may incrase her wheat-producing acreat,
some considerahe ext-nt still, and has plent,
scone iur incruaing the acre vield and quality In Furope, the largest wheat-producer, course, is Russia. Russia, in 1907, produced a
crop of 45.000 .ion bushels.
This was less than the average yield, the crop for several years prev-
ious standing over $5.50,000,000$ bushels. France comss second, with a crop, for the same year, of
375,000 , one bushels; Austria-Hungary third, with
 Then Spain drops in with an even $100,000,000$ and Great Britain heads the list of smaller wheat
producers with a total of about $53,000,0000$ bush els. Coming to Asia, the British Indian Empire (ith a yield running annually well over the 300, 000,000 mark, heads the list. Asiatic Russia, in key and Japan supply the remainder required to bring the wheat produced on the Continent of
Asia in 1907 up to $447,518,000$ bushels. Japan, it is interesting to note, has more than doubled her wheat output since 1903,
Alveria. F.ryyt, and Tunis, in the order named, are the chief African wheat-growing states. Th Fgyptian output for years has stood at
oon bushels per annum. Algeria produces some thing like 30,000,000. The 1rititish colonies in the south produce a bare a , ode western farm than is producen on a lang
iza, 6, oon to 8,000 bushels
ithe Australasian Continent is a rather indifferent wheat-producer. Drouth sometimes cut down the yie da amble were grown in the six states
Iy $12,000,000$ bushels of Australia. The next year, $76,488,000$ bushel were grown. The yield has been fairly average ever since, running to $68,185,00$ bushels in
Including New Zealand, where the crop last yea ncluading twenty per cent. off, Australasia pro
 tinents, was :

## North America

Europe
Asio
Africa
$740,693,000$
$178,636,000$

## Grand tota

## ...

 the total of number of years previously. wheat has been steadily discovering and conquering new worlds. Time and again in the ages past, men have made up their minds that such and that henceforth the the limit or wheatuld mark time only, and breadking of woreald be obliged to look about them for aeaters wot lo
. substitute for their fave prophesying the same croakers thing, and, while thinking men must all mit that the wild land of the world available for increased wheat production is becouning circumscribed, it is difficult yet in to be reached, or
limit on our own continent is ther limit on our own continent in other parts of the
how large the areas are in ried on.
A large area of agricultural land, yet un-
toucher, lies in Northern Asia, or Siberia, as the Russian Empire there is callod. The wheat-grow-
Russ and ing possibilities of the vast area ying between
the Ural Mountains and the Faciic Ocean, are as yet unknown. Immigration for some years has been pouring into the country from the West, and the agricultural exports from world, caking it all
creasing. It is estimated that the world, paking it all
over, could iust about double its present annual wheat yield if all the land avd into use-that is
wrowing this coren were called into growing this cereal
the land already producing wheat-and the unoccupiod lands that might te brought under culti-
vation. It is estimated that the yield from every vation. It is estimated that the yicti irome every acre of that and
trebled. by proper methods of cropping and cultitrebled, an proper there is opportunity in sight for
vation, and that increasing by fourfold the annual supply of thy king of cercase charged up a possible doubling
there trebling, or increasing by fourfold, the army of whraten-hreadeaters. Figure the matter out along whatever line you whe The world, for as to about the same necorn, was producing, except
far hack as history records, was in famine years, about as much meat as was
guired for human consumption, and generally little over to spare There are no indications a indefinitely. or for so long. at least as most of us now alive need hother ourselves alout.-(Farm
er's Advocate and Home Journal.

## THE DAIRX

##  pplicatbe in a number of

The 1 nited States Agricultural Department reports hat there are $19,000,000$ cows in the United States.
and that they produce nearly 68,000, oono,000 pounds of nilk annualy. procuce netris milk is manufactured 1.of chesese

More creameries fail through lack of proper manage ment than from any other cause. Diirying has grown
den to such dimensions in these days, competition among
creameries has become so ken, that only well-informed men can succeed in it. Indifierence to the changes that are constantly taking place, unprogressiveness, getting henind in method or equipment, wif sooner or dity
affect a creamery's business disastrously. The dairy science is developing. A man nowadays who makes butter, or manages a creamery, has to know a lot
more about his business than the operator of twenty years ago knew, has oss be intormed in matters

COMPARISON OF FEEDS IN DAIRY SIABLE.
The twentieth annual report of the Vermont Agricultural Experiment station shows the expersin
uring out the cost of operations to the exact
Tent hawd Yankee farmers of this small State, where good land is somewhat scarce, speaking comparatidy, haras better than it has been side of dairying, perhaps, beter terica. As dairy-
done in any other section of Amer ing is the main agricultural feature of the State, we are not surprised to see such a large part of the Annual Report dealing with cows and cow-
products.
The dairy features are divided into products. The dairy features are divided into
two parts, "Stock-feeding" and "Dairy Husbandry."
feeding dairy cows
Rations containing the same amount of digestible nutrients do not, as a result of three years Trial, produce the stwo rations are compared, containing the same amounts of diestible fat, carbohydrates and protein, as, but the nutrients being the same nutritive ratios, but the nutrients being
obtained from different sources, it doos not follow othat the same results in milk flow or butter production will be obtained. This enplasizes the commonsen are to be taken as guides in the prac-
that that they are to be taken but they neod to be
tical feeding of ous $\substack{\text { mical } \\ \text { mense. }}$
sens.
" Medium "" and "narrow " rations gave an increase of from 2 to 111 per cent. in milk production, as compared with "wide "rations, though
the quality of the milk was unchanged. The wide "rations were $1: 9$ and 10 ; the "nar-
Fow," $1: 5.8$ and 6 . ${ }^{\text {For }}$ the beneft of those not familiar with these terms, we may say that "narrow" ration is one in which the heat-producers (rat and car muscle-formers (protein, etc.). For instance, a ration in which there is but 4 or 5 pounds heat-formers to " ${ }^{1}$ pound of muscle
tormers is called " narrow," and is written $1: 4$ formers is called " narrow," and is written
On the other hand, when we have 8 , or $1: 5$. On the other hand, when we have
9 or 10 pounds heat-formers for 1 pounds of muscle-formers, the ration is called "wide," and
 There was no connection, so far as could be
ascertained, between protein content of the food and casein in the milk produced.
taininar as er cent. protein, made and meal containing 29 per cent. protein, made as much and
as good mik as did gluten meal containing 36 per cent. protein. It would seem that the chemist has not yet got his digestion methods track-
ing ", exactly with cow methods of digestion. ing " Buck wheat middlings made cheaper millk and butter than did cottonsed, linszed, or corr-and-
bran rations. The quality of the butter seemed bran rations. The quality of the butter seemid
somewhat impaired when they (suck wheat middings) were fed in large quantitics. When comparing light meal, such as bran, with heavy meal, like linseed. the con assion yeached ing to weight, as the heavy meal, but the milk from bran-fed cows was more difficult to cream by deep-setting methods. comparing six of he stath cos in twenty on mea owned by farmers in the State, and to which no meal was fed when on grass, spring and ne better mintained in the fall, where cows received meal during the pasture season.
The Station set about to answer the question.
arration and cooling were combined, the $m$ ing. There is no general tendency for it to be arration and cooling wore cor time.
cours". This is a practical question which every feeder of dairy cows needs to ask, especially when grain meal of all kinds is so expensive as at
present. The amounts fed daily per cow varied present. The amounts fed daily per cow varied
from two to four, eight and twelve pounds. The comclusion reached is: "Twelve pounds is ex cossive and unwise; 10 pounds may rarely pay its cost over a lesser amount; two pounds is to poumds, when roughage is good and plentiful, is likelv to yield net returns nearly equal to those afforded by an eight-pound ration, and to prove
the better, if skim-milk and manurial values are the better, " but its residual effect on after-pro-
disegarded,
duction may be unsatisfactory. When all the dif duction may be unsatisfactory. When all the dif ferent factors are taken into consideratio
6 to 8 pounds daily seem most advisable
6 to 8 pounds daily seem most advisable."
The addition of corn silage to a hay ration for cous produced seven per oent. more milk an
butter, and the quality of the product was main butter, and the quality of the product was main
tained.
By substituting silage for one-third tained. By substituting silage for one-third o
the hay ration, the earning rower of each cow the hay ration, $12-3$ cents daily
Peas, vetches and oats made as good silage for
mille production as did corn. The addition of milk production as did corn. The addita did not appear to increase the quality of the silage nor add to th
vields of milk and butter when fed to cows. yields of milk and butter when fed to cows.
Fresh fodder corn was not equa, to corn silage Fresh fodder corn was not equa, to cows early im September. Ele ven cows shrank 5 per cent. in butter yield when fed the fodder corn, while nine tion on corn silage
Corn silage proved superior to potatoes io feeding cows. The effect upon the quality
Pumpkins are recommended for cows in the pumplains are equal to one ton one-half tons of armitul effects on cows or butter res.lted from
heeding pumpkins.
Grooming cows should tend to better the keeping quality of milk and the grade of butter, but oes not seem to add to the milk ow or its fat
Water below 40 degrees was drunk as freely as that which was warmer. Less water was drunk when the barn temperature was albout 50 degrees No change in quantity or quality of the milk given by eight cows during two scasons was noted whem watered twice a day, as compared with water at will.
No advantage was found in warming water for cows during two winters. A net loss of 14 cent in 90 davs occurred the second year, over an above the expense of warming
DAIRY HUSBANDR
Variations in Fat Percentage of Milk--Ove
400 cows on early pasturage, from May 6th t 400 cows on early pasturage, from May 6th $t$ June 6th, gave milows: 3.63 and 4.03 . A her of thirteen cows, during the same time, variec from 3.63 to 4.62 per cent.; on successive days 3. ${ }^{3}$ and 49 per cent,. were noted. is it any wonder cheesery sometimes vary from one month to another. We receive a great many in
quiries about this question of variation in the per quiries about this question of variation in the per ocntage of fat in milk and creain. Hardy any
other question is so perplexing to the average farmer. He cannot understand why there shoul be variation in his tests. If he will but is great law of nature. The milk from cows is no exception to the rule.
Monthly Variations I) Monthly Variations During a Lactation
 tion period advances. If farrow, almost $n$ change in quality ensues from calving to dryin of. provided they in quality as it decreases in quantity. This increase is very slight for six months
but becomes pronounced just before drying off. 2. Cows calving in the spring pive more milk for three months after calving than those calving in the fall. This situation is reversed from smaller Th to 9th months. Fall cows show sma th spring. For a few weeks after calving mil's is ver variable in quality, heing usually whmest mex arter weeks. 4. The spring cow ravidly increases the fat
content of her milk, beginning alout five month after calving: the summer cow starts in atron fairly even quality throuchout
improving it more than 0.5 per cent. The solime not fat content is most uniform. month ly month
in the fall cow's milk, that of the milk of sprin sening somewhat in the summer time.
flder. Until seven years old, the general trend of of fat is recommended ar cream patrons whe the milk flow was upward, and, after the ninth year, downward. In the case of a study of the majority of the cows tended to decrease the percentage of total solids, fat, and solids not fat, as the cows advanced in years. (The author not in hat this is not in accord the differences are in no case large, comparing one year with another.) 8. Stripper milk is richer in fat and solids given by cows in calf. 9. In a herd already giving a good quality of
milk, the farmer is contined to selection as his milk, the farmer is contined to selection as his method of increasing the richness of mik, breedby care, feed, and selection. 10. No poorer milk results from pasture feeding, even when the flow to lessen the flow temporarily, and to affect the quality for one or a cow has become accustomed to her new surroundings is
clear. Milking three times a day did not pay as a regular practice, but might increase the flow
temporarily, as compared with twice milking in 24 hours.

CREAMING MILK.
dinary deep setting with adding hot and cold
water to milk for creaming purposes, there wa.
no advantage in varying the usual method of
meaming in deep cans. The addition of one-fifth creaming in deep cans. The addition of one-fifth
part ice-water to cold deep-set milk, was followed part ice-water to cold deep-set milk,
by poorer creaming and churning. surplus, a a verages 3 per cent., and th price one half a cent per pound of butter. during two years, the author concludes during two years, the author concludes : variable. Some cows made more at home; othel
seemed stimulated by. excitement and nervousnes and made a better showing at the fair ground Nervous excitement tended, however, to lessen th quantity of milk ingredients, and variously to al fect quality. The true butter test of a cow can hardly, be made at a great fair as well as at well-balanced and ill-balanced udders, the general results in milk flow agreed with the udder formabest. as a rule, and those with ill-balanced udder milked poorest. Forty-six per cent. of the milk solids and fat Were produced from the fore quarters of the udders crs. utter records, the writer concludes: "The higl soring, show-ring cows were really, in the long in. .ittle if any better producers than their les. ell-equipped sisters, applied to milk cows, will he fully realized.

## GARDEN 部 ORCHARD

MARKET FOR EARLY APPLES
CHURNING EXPERIMENTS. $\qquad$ o profitable prices in Arent tritain

One hundred and twenty churnin
arrant the following conclusions:


Brampton Primrose (imp.)
dersey cow; four years old; bred on the Island of Jersey. Winner of first prize, senior and grand championship as best Jersey female, any age, at Canadian National Exhibition, Toronto, and Western Fair, London. and owned
Brampton, Ont


1. The per cent. of fat in butter appears lessened by thinning the cream, by lengthening the
time of churning ture, by increased acidity of cream, and by churnngeam. The fat percentages of sweet and sour cream butter were closely alike. 2. The percentage of curd in butter did not
seem affected by the length of time, or the varying temperatures of churning. The sweet-cream ing temperatures of churning. The sweet-cream sour cream, and the deep-setting butters more
than did the separator-made goords.
2. The churnings were most exhaustive with
hick and ripened cream at low temperature while larsing acidities. length of churning and methods of cream spraration showed little effect. tive churning of a firm butter of high fat content are A thick cream containing 10 to the per cunt of the wriginal milk ripened cream. unless churn-
ing at 51 dogrees. or lowlow: a low-churning temAerating Milh. - is a result of sineral tests,
a fruit crop formerly
practically wasted It
is pointed out by Mr.
McNeill that all fruit that was properly packed and illl that all fruit on leaving, arrived in such condition to guarantee profitable prices. In some cases, where careless
ness was the rule, and particularly where the fruit was packed in barrels, the apples were in bad condition. A warmer season and softer apples means that greater care must be exercised in pickIng and packing, as well as in the method of
shipping. The idcal method was outiined as f lows: Pick the apples when they are mature put them in a cold room; pack at a low temhave them reach the steamer at a temperature be, tween 40 and 45 degrees: put them into cold ${ }^{2}$ ) derage on the steamer at a temperature of about As regards prices, it was claimed that the rehans were entirely satisfactory for fruit properly
handled. In barrels, good quality brought as high as 10 shillings. some quality brought as low as shillings some sent to Glasgow pought as high as 19 shillings. In hoxes of 40 pounds, the prices ranged from 6 to 8 shillings. Pears, also. have heen shipped across the
ocean in laree mantitios, and the prospects point
io an permannont trado in that fruit as well. The a fruit crop formerly McNeill that by
nifurts entawa, ge the shimentourgiven results that crop should attract the attention of all who have apples of the as Astrachan, Duchlith and Gravenstein. iating an interest in this way of disposing partment guaranteed the ireight on cold
storage chambers to London. The chambers were tilled, and the returns were such as of a permanent mar ket for all of $\begin{gathered}\text { mar } \\ \text { On- }\end{gathered}$ lario's early apples.
If this market developed, the result apple-shipping season would be lengthened by at least three
weeks, opening the weeks, opening the
second week in August, instead of the carly part or middte of September, an
placing on the marke


## FRUIT NOTES FROM THE KOOTEMAY

The season of 1908 hars been a year of progress and
development, as far as fruit-growing is concorned. Mora development, as far as fruit-growing is concorned. More
trees were planted than in any previous spring. All of the nurseries were sold out of most of the leading varieties early in the season. Some of the newcomers
and inexperienced growers have not paid as much attention as they should to the needs of the young grow-
ing trees, but they are fast learning that this is absoing eres,
lutely essential. As Farmer Vincont used to say :
if lutely essential. As Farmer
a Treess are like children; in the beginning they give us
a great deal of trouble and worry, but in the end we are proud of them.
The energy and enthusiasm of the fruit-growers was the Kootenay Fruit-growers' Association. They secured a practical fruitman of many years' experience from
Hood River, Oregon, to act as manager, signing a three-jear contract with him at a high salary, and a
though for several reasons, that we will touch on later, their operations have not been singularly successful
from a financiel standpoint, yet they are full of hope, from a financiel standpoint, yet aey are strong pull, culties of selling and transportation that now lie in way.
The strawberry crop. the first fruit crop on the not as remunerative to the grower as in some former
vears. The Hood River crop was late, and that threw years. The Hood River crop was late, and that threw
the berrics of Hood River and Kootenay on the market at about the same time. Commission men also com-
plained that the depressed financial conditions on the prairie had a bad effect upon the market. Pickers
were hard to oltain. and, as a result, some of the berries became too ripe to ship. and as a consequence herries shipped through the association netted about
$\$ 1.60 \mathrm{a}$ crate. One grower placed letters in the crates
On as he sent them out, requesting the consumer to write
and let him know what kind of condition the berries were received in, and what he had to pay for them.
He received seven replies, all stating that the berries were delivered in groch cond winnipeg. Thus the pro $\$ 3.25$ to $\$ 3.50$ a crate in Winnipeg. Thus the pro
ducer on!y got half the retail price-a rather big leak.
dionc growers have become rather discouraged, while Some growers have become rather discouraged, while
some of the, perhaps, shrewder ones, have intimated some of the, perhaps, shrewder ones, have intimated
their intention of doubling their area in strawberries, their intention of doubling their area in are extremely
affirming that if handled right they
profitable. And, inded, this is amply proved by the affirming that it hande this is amply proved by the
1rofitable. And, indeed, the Creston straw-
well-known success of $O$. J. Wiggen, the Cos. berry king, who last year sold $\$ 4,300$ of
Cherries were a fair crop, and good prices prevailed. Che prrius were af peaches is not large enough to be
Plums, prunes and
considered commercially as yet. apples are a good crop. The B. C. Fruit and produc
Fxchange reports having received a large apple orde
 supply mone than about will supply fifteen cars, being
the Grand Forks district will guaranteed $\$ 1.15$ per bow. fors. have come in from the
A large number of setters have from
prairie and from the Rritish Isles : Also a fer Washington, Oregon
tain that land can be procured more cheaply in strongly. Outside small fruits, the home market not yet nearly supplied. Nelson wholesaters
last year forty thousand boxess of apples allone The migrating of a large colon: Peter Seregin
wider the leadership and dirertion of Por


## APPLE PRICES

$\qquad$ In their consignments to Great Britain this season. The
1uchess, and one or two other varieties, have sold ex ceedingly well. Some Duchess recently sold in Liver
pool and Glasgow at 16 s . to 20s., and Gravensteins and Alexanders at 20 s. to 26 s. per bbl. At these prices there is good money ior the shipper.
Pecause of these successful sales with early fruit, yrowers are advancing their ideas in regard to prices for winter varieties. The crop of carly apples, how
ever, is large, and there are large quantities to be marketed yet, and until these are well out of the way regarding winter apples. The latter crop is not large regarding winter apples. The later crop is turn out
but it is of very good quality, end will
large percentage of No. 1's. For the finest Spies an ings, some of the co-operative associations are look-
soled ing for $\$ 3.00$ per made at this figure, but it is doubtiul whether this price will be renched for large quantities
though it is possible' that if the associations can hold hough it is possible that iy meay be able to reach the figure, and more for choice quality. Just now from
$\$ 2$ to $\$ 2.25$ per bbl would be a fair price for the penral run of firsts and seronds. Growers in the Lake Firie belt began picking Greenings two weeks ago, and full blast. Apple buyers aro not so keen in making contract
athead this year for fruit on the tree. The grower ha considerably the best of it last season. The buyer is evidently seeing to it that he does not come oowe
well this year. There has been some buying, however and many orchards have been contranted for at about
$7 \mathbf{3}$ c. for early and $\$ 100$ to $\$ 1.25$ per bol. for winter fruit on the tree. This kind of buying is contined to the individual grower. The co-operative associations pick, pack and prepare their own frult season with and get all there is in it.

## POULTRY.

It is doubtulul whether a strain of 200 egg hens will ever be developed and the ability permanently estab-
lished. The further one goes in attempting to raise
and production the harder it is to score an adationa
notch of progress. The late Prof. Gowell undertook a large order. However. the average farmer's flock large
might better its production by several dozen eggs
it year without necessarily overtaxing the vitality, and the trip.
towards improvement.

In an egg-laying competition it may be very clearly demonstrated that by carrful breeding very high aver
ages can be reached in a few years of careful breeding and selection, and that these high averages may be
maintained for several vears. Beyond that the com-
But bepetitions as yet have nothing to teach us probably
yond that the competitions if continued will prober teach within a few years what experienced breders
know-that it is extremely rare for these high average to be maintained for more than a very few years. know perienced breeders know that in every character of a fowl fixed quality is hard to keep-and especially so in matters
Poultry.
ORGANIZATION OF LOCAL POULTRY ASSOCIA ORGANIZATIO TIONS IN ONTARIO.
We have been favored by A. P. Westervelt. Director,
ivestock Branch, Department of Agriculture, Toronto Live stock Branch, Department of Agriculture, Toronto,
with the subioined copy of regulations providing for the organization of poultry associations in the local dis-
tricts in Ontario, and for the amount of the grant paid 1o these societies out of the a
his purpose by the Legisial. mrgantzation tions. which have received a grant during the past year shall be recognized as such ny the Minister of Asriculture, and shall each receive

$m^{2}$
shall receive under the following regulations an annual
rant of twenty-five dollars ( $\$ 2.00$ ); but where there
and during such
association in the county. Where an association failsto comply with the regulations during any calendar
begulations.
(1) Application for recognition must be made

linister of Agriculture. With the application must be sent a copy of the constitution of the association, the minutes of the organi $\qquad$ ween October and February, inclusive, for which it is financially responsible.
(3) The poultry show must consist of at least 800
 (4) Proper accommodation, to include cooping. must be supplied for holding the show; also accomino room. Aepertied by the Department of Agriculture, to speak on practical poultry subjects. and the local association must use every reasonatio means to properly advertise and interest the pubic in
these lectures, which must consist of at least two sessions. There must be sent to the Director of the Livc-stock Branch, Ontario Department of Agriculture, to the date of holding the show, and there must also be submitted at the same time a copy of the proposed classification hor show thare shall he forwarded to him
atter holding the show a full report, showing all receipts, expenditures, number

## THE FARM BULLETIN。

 SCHOOL AND TARIFF QUESTIONS. The feeting seems to be gaining ground throughout the older Provinces of the Doninion that our publicschools are mainly responsible for the human drift to the towns and cities; that rural public schools should teach the country children to he farmers, and that the town schools should educate our future men of all other
professions. Now, it seems to me that there is alprofessions. Now, it seems to me that there hose of
ready a dividing line between farmers and those other nodes of living, and if the above ideas were
ond acted upon the division would become more deeply
marked. Our public-school system should be so ar marked Our pubtic-school system shoudion for any
ranged that a child would have a foundation fourses of ranged that a chid woul him follow such courses of
profession, and then let his study as will enable him to succeed in his chosen profession. This plan would stimulate each industry, by rom either town or country to follow his or her own bent. it should be the aim of our legislators to place all industries on an equal footing, so that people of suitable natures would be drawn to their choice,
where their birth took place. In the manitesto of the executive of the Dominion stated that we pay an average duty of $27 \%$ on all manuactured artices, in order are now after more, and atways will be, until the farmer wekes from his lethargy ping the heart out of our farming profession. It onbe considered by a farmer. It also attracts the cleverst of our young men to the manufacturing centers, Where a few brains can make a competence, and also a
. To balance things up, the manufacturer, who has made his fortune, may on his drath bed, leave an endowment to some agricultural college, to educate the farmer's
ons and daughters in the mysteries of agricultural cience. But we never hear of the manufacturer's sons attending any college to improve their methods. Now, I have nothing to say against educating the
farmer for his calling; the more the better. Free farmer for his calling: the mail delivery will help a great deal. Farmers institutes, fall fairs, agricultural colleges, nature study in our schools, and last, but not lenst, our agricultural they cannot-place the farming profession where it ought to he under present circumstances. Let us elect mem-
bers to Parliament who will try to remove these duties gradually, in as short a time as possithe. edcet sohool or colleges be placed in the country to educate our

agriculture and military drill in the helolo schools.


## Central Canada Exhibition a Success.


hird, and was second at L.ondon, and fourth at
Toronto. Six cows in the class for three years and upwards, Canadian-bred, were a high compliment to home breeding. Pride of Hume Famc won for Hume, of Cherry Bank. The thirdprize cow is showing the strain of the strenuous
life of a dairy cow. Logan's Barcheskie Blythe Kate, second in the three-year class, was femal Mer was first, the same place as given her a Mey was first, the two-year class. Hume's Clerk land kate, winner some were surprised at the to and London. Some were surprised at wordon was given the red card on Stonchouse Pansy. She was first at sherfrooke, but, ationghight not in appropriately have gone second to Ness' Nellie Burns 5th of Burnside, the bearer of premier dis tinction at Toronto. Burnside Pearl 3rd, in thir ance cow as dam, and Ness' representative in the six months' dairy test at the Pan-American, as grandam. Eva of Cherry Bank was the best dr cow, while Ness had a beautiful pair of winner
in the class for two-vear heifers not in milk. The in the class
awards were:
Bull, 3 years and upwards.- 1 , Ness: 2 , Hunter
3, Gordon; 4, Owens 3. Gordon; 4, Owens, Bull, 2 years.-1, Logan 1 and 3, Ness; 2, Hunter. Bull calf over 6 mus and under 1 year -1 . Hume: ${ }^{2}$, Ness; 3 , Owens;
Hunter. Bull calf under 6 months. -1 and Hume: 3. Clark; A, Owens. Bull, any age
Ness. Cow, four years and upwards. -1 and Ness. $0 w$, four years and upward
Hunter; $2,4,5$ and 6 , Ness. Cow, 3
$\qquad$
$\qquad$
$\qquad$ Heifer calf over 6 months andi under 1 year- -1 calf under 6 months.-1, Wess: ${ }^{6}$, Hume, Heife

$\qquad$
$\qquad$ manes over one var.-1. Humter; 3. Ness: 3, (ior-hibitor-1, Nees: 3, Owins 3. (lark.
Mthouzh onlv two hreeders, Brown bros. competed in the Holstein classes, cattle of supe
$\qquad$
$\qquad$
$\qquad$
$\qquad$ of Maxville. Ont.: R. R. Ness, of Howich, Que.
a heavy producer.
the sweepstakes
ing was done by
Unt. Awards.
Unt. A wards:
Bull, 3 years and up.
Bull,
2
Bull,
$\begin{aligned} & \text { Brown, } \\ & \text { Bears. } \\ & \text { year.- } \\ & \text { Bull }\end{aligned}$ Cald
Cald


3. Caldwelli; 2, Brown.
and 3, Caldwell.
ander 11 year- -1,
under 6 months.
(3)

Terale any ane-1,3 and 4, Brown. 2. (aldwal! females, over 1 year. -1 ,
Herd, 1 bull and 4 females and owned by exhibitor.-1, Bromn. ye Guldwell

For the third time in as many weeks, reprisentatives of the fawn breed from the Chamnel
Islands, owned by three of Canada's most prouninent Jersey breeders, fought for supremacy, Ani-
mals from each of the stables owned by D. Duncan, of Don: 13. H. Bult \& Son, of Brampton, and
Wm . McKenzie, of Toronto, had nany admirers. Wh. Mckenzie, we pre prety evenly distributed,
The top prizes were
while, of the total, Duncan took 17 cards, Bull \& Son 15, and McKenzie G. McKenzie got the grand-championship award for bull any age on
Tearl of Kirkfield: Bull \& Son, the grand chanTearl of Kirkfield: Bull \& Son, the grand chain-
pionship for female any age on Brampton Primpionship for
rose, and Duncan the a ward for herd consisting of
1 bull and 4 females over 1 year. The cards were place
port, Ont., as follows :
port, Bull, 3 years and upwards. -1 , McKenzie ; 2 , Bull: 3, Duncan. Bull, 2 years. -1 , Duncan; 2 ,
Bull. Bull, 1 yeur. -1, Buil: 2 and 3 , Duncan. Bull. Rull, 1 year. $-1,1$ Bull: 2 and 3 , Duncan.
Bull calf, over 6 months and under 1 year. -1 and
Bull calf under 6 months. 3, Duncan; 2, Bull. Bull calf under 6 months.
1, Bull; 2, Duncan; 3, McKenzie. Best bull, any
Bers. age. McKenzie. Cow, 4 years and upwards.-1
and 4, Bull; 2 and 3 , Duncan. Cow, 3 years- -1 ,
and 3 , Bull. Heifer, Duncan; 2, McKenzie: 3 and 4, Bull. Heifer, 2
vears.-1 and 2, Bull: 3 and 4, Duncan. Heifer, 1 year.-1 and 2, McKenzie; 3, Bull. Heifer calf
yond over 6 months and under 1 year. -1 and 2 , Dun-
can; 3ull. Heifer calf, under 6 months. 1 ,
Bull: 2 and 3, Duncan. Female; any age-Bull. Bull: 2 and 3, Duncan. Female, any
Herd, 1 bull and four females.-Duncan

GUERNSEYS
No competition was found in the Guernsey classes, all the animals being owned by tuy Carr of Compton, Que. Many of the sections were
fairly well filled. The stock, though typical of the breed, were not in sufficiently high condition for the show-ring. Only the young stock was
fitted, a few of the older ones being in such con fitted, a few of the older ones being in such con-
dition as not to he good missionaries in inducing dition as not to discard the sleek, plump Ayr shires, the big. strong-framed Holsteins,
sweet, attractive Jerseys, in their fav
The tiny cattle known as Race Canadienne, egistered in the French-Canaaian were oovned by A. Denis, of St. Norbert, Que., and A. Touin, of Repentigny, Que. Awards, made ery to be fairly
it Guillaume, Que., show the prizes to St. Guillaume, Que., show the femates, Touin was in the
well divided. In the fer grade dairy cattle
The popularity of the Holsteins for crossing
Th other breeds in Eastern Ontario, would seeru ${ }_{0}$ o be indicated by the fact that only Holstein grades appeared in the class for dairy grades.
the prizes went to J. H. Caldwell, of Fallowfield, The prizes went to Jillings Bridge. Three great strong milk-producers were first and third, and class, Caldwell getting first and Chird, had
Hern second. In other sections, Caldwell had Hern second, In other seetions had two seconds and a third. Caldwell won sweepstakes for best female
females
bEEF CATTLE
SHORTHORNS
In numbers, the Shorthorns were greatly below what was expected. The competitors included
only three breeders: W. C. Edwards \& Co.. of Rockland; Sir Geo Drummond, of Beaconsfield, a battle royal between the Senators, with sinaDrummond in the lead in most of the fetuale classes. The placing of lrummond sherd of the Edwards' came as a surprise to many of the ring-
side spectators. The latter's bull had won the
thend's side spectators. The atters ounted on Drummond's excellent aged cow and a good heifer being of The strength to outdo rdingratives of two or, some-
classes comprised representat Awards were made by thmes, three competitor,
R. Sangster, of Lancast
A. Cads were placed as iollows:
 fi. Edwards, on Golde's Prince; 2, 1 year.-1, Edwards, on Royal LavBull calf under 1 wear. -1 ,
Bull, any age.Wallace. Bull calf under,
Charis and 2 and 3, Drummond.
Bull, pwards-1. Irummond, on Queen Ideal: 2, avender 4th. Heifer, 2 years.-1, Edwards, on
ine (irov. Midred 13 th; 2 , Drummond, on i'roud numese Hent: is and E.dwards. Heifer calf, und vear -1 and 2 , Edwards; 3, Drummond. Fe-
male any age--Irummond, on Queen Ideal. Herd, onsisting of one bull and four females, over
ear --Irunmond Gold Cup and Queen Idea ear--lrummond, on Gold Cup and Que
Avender 4 th, and Proud Duchess 11 th.
The white faced beif cattle were only seven is number, but the quality was there. H. 1. Smith ide, the first prize aged bull, stood first at Io don and second at Toronto. Amy IV., the best cow, also was winner à London, and second at POLLED ANGUS.
Awards in Aberdeen-Angus were made by $N$ Sangster. All the entries belonged to Jas. Bowman, of Guelph. Chief among the winners were (imp.), an excellent yearling, first at Toronto and London, and third at the Royal Show, at New-
caste. Mr. Bowman's herd comprised sixteen castle. Mr.
choice animals.

There were seventer Galloway breed. Deventeen recrae, of Guelph, was the sole exhibitor, and they were worthy specimens
His aged bull, Berwick, is a superior animal. He stood first at Toronto and London. In the cow class, Miss Mary A. deserves special mention. She

## SHEEP.

The exhibit of sheep, in point of numbers, wa rather disappointing this year, due, to a great ex-
tent, to the failure of several of the Western importers and breeders to get a through passage for Cheir exhibit, owing to some misunderstanding
with the railway companies. The long-wools had not a single representative; the medium-wools be ing represented by Southdowns, Shropshires and Hampshires only, the Southdowns being in the majority, from the well-known and Beaconstield Que, and George Allan, of Paris, Ont. In th section for ram 2 shears and over, the award were ${ }^{1 \text {, Drummond, }}{ }^{2,}$ Allan. Ram lamb-1 and 3. Drummond: 2, Allan. Ewe, two shears and over-1 and 2, Drummond; 3, Allan. Shearing 1. 2 and 3 , Drummond

SHROPSHIRES
This popular breed was represented by J. Lloyd
This popular breed was represented Kars, Ont., Jones having a particularly high-class ot, in proper fit, and won all
wards were: Ram, two shears and over-1, Jones. 2, Wallace. Sheariing ram-1 and 2 Jones. Ram lamb-1, Jones: 2 and 3, Wallace. Ewo wo shears and over-1, Jones; 2 and 8, Wallace. Ewe lamb.-1, Jones: 2 , Wallace. For flock prize. Ewe lamb, -1, Competed, and was awarded the diploma.
hampshires.
Only Allan came forward with entries in this brend. The awarded all the premiuns.

- FAT SHEEP.

As in the preceding class, Allan alone had
antries. Hanmer, of Brantford, handed out the
Mr. Hand a wards with a despatch
knowledge of the art of sheep-judging

## SWINE.

The swine exhibit was one of the best seen at Ittawa for several years, the ling row on animals shown in the various classes exceedingly high, represent ing to a great extent London. J. E. Brethour, oion at oronto and the awards, in his usua masterly way. showing a thorough knowledge and

## YORKSHIRES.

This great and popular bacon breed were J. W. Featherston \& Son, of Streetsville, Ont. Foster, McConnell, of Aw. Ont. The Streetsville herd showed considerably botter fitting, having lately run the gauntlet at Toronto and London; while
he Rowesville herd, which. by the way, is one of

Che largest and Lest in Eastern ontar, were
hown in breeding condition, withour ans. surcial itting, which handicapper them considirably.
The rating in the various classes was as ioliows. Boar over two years-1, Collins; 2 and 3 ,
Featherston. loar over 14 months and under Fwo 1 Boar over $1 t$ months and under eaar over six and under 12 months-1 and 2 .
 Ser two years-1 and 3, Featherston; 2, Collins. Featherston; 3, Collins. Sow over six and under twelle months-1 and 2 , Featherston; 3 , MCConston; 2, Foster. Litter of pigs-1, Foster; 2, Mcston; 2, Foster. Litter of pigs-1, Foster
Connell; 3, Collins. Herd-Featherston. BERKSHIRES
The Berkshires, though not so numerous as we nare seen in some former years, were a highly oi T, A. Cox, brought out in the pink of condition, and winning all the tirsts; the other ex-
hilitors being IW A. Wallace of Kars, Ont.; W. II. McConneli II. A. Wallace, of Kars, Ont.; W. irom D. Douglas \& Sons, of Mitcholl, Ont. Boar, two years and over-The Toronto grand champion, in the entry of T. A. Cox, again won
first: 2 , Douglas; 3 , W. A. Wallace. Boar over first: 2, Douglas; 3, W. A. Wallace, ${ }^{\text {Boar }}$, over
twelve months and under two jears-1, Cox ; 2 , Wallace. Boar over six and under twelve month -1 and 2, Cox; 3, Wallace. Boar under six months-1 and 2. Cox. Sow over two yearser
and 2, Cox; 3, Wallace. Sow over one and under
Sow over six and under two years-1, 2, 3, Cox. Sow over six and under
twelve months-1 and 3, Cox. Sow under six munths -1 and 2 , Cox. I, Itter of pi

AMwORTHS
The greatest that has been, was the opinion of very many on looking aver the splendid exhibit of Tamworth swine, ropresented by two of the leading breeders of this great bacon treed. in Canad. Morrow \& Son, oi Hilton, Ont. The wonderful condition and fitting in which they were brought out showed the handicraft of the exhibitors' art. 3 , Morrow. Boar, one year and under two-1 and , Douglas; 3, Morrow. Noar over six and under twelve months-1, Morrow : ${ }^{2}$ and 3, Douglas. nouglas. Sow. two years and over-1, Morrowi 2 and 3. Douglas. Sow over one and under two ears-1, 2, 3, Douglas. Sow over six and Morrow. Sow under six months-1 and 3, Douglas: 2, Morow. Litter of pigs-1 and 3, Douglas; 2, Morrow. Herd-Nouglas.
ater Whites are popular in Eastern Though Chester Whites are popular in Eastern.
Ontario and Quebec, only one breder, Mr. L. H. Caldwell, of Manotick, Ont., came out for competition with the famous Bornhoim herd
Courcy, of Bornholm, Ont. This was unfortuCourcy, of but probably the fame of the Bornholm herd had something to do with it. DeCourcy Boor Boar, two years and ovel-1, DeCourcy. Boar
over one and under two years-1, DeCourcy. Boar over one and under two years-1, DeCourcy. Boar
over six and under twelve months-1, DeCoury; ${ }_{2}$, Caldwell. Boar under six manths -1 and 2, neCourcy. Sow over two years-1, DeCourcy.
Sow over one and under two years-1 and 2, DeSow over one and uns sow over six and under twelve monthe -1, Caldwell: 2 and 3, DeCourcy. Sow under six months-

HORSES.
In the broeding classes of horses, the entry at Ottawa this year was considerably below the average numerically, very many of the old conspicu faces of exhibitors of past years being end mixed
 ing decidedly the best filled. The Shire, Hackney, Thoroughbred, Standard-bred and Cariage or
Coach classes had very few entries, as did also Coach classes hadian classes; nevertheless, what was lacking in numbers was, in nearly every class, made up in quality, a condition very satisfactory. inasmuch as it shows exhibitors, particularly of Eastern Ontario and Quebec, in bringing out their animals in a condition and of a qualty respect, it compete against all comers. In tho improment. year is pleasing the plan in vogue, of placarding all the stables with a notice of the various classes, and the hours in which they are to appear in the
ring, works admirably, no time being lost, whatever, in waiting for the various classes to be on hand, although we still think the old plan of running through the various sections of any breed geneous mixing of all the classes, as practiced at present both at this show and at more apprewe are very sure ciated by the public generally.

Tho (lydusdales were not out in so great num-
bers as in some former years, consequently the
entries in most of the classes were small, but the entriest manifested by the large crowds continually at the ring-side, and the criticism heard, in the people generally are alive to the importance of the great horse-breeding industry of canada. Mr.
W. F. Kydd, of Simcoe, Ont., the well-known exW. F. Kydd, of Simcoe, Ont., the well-known ex-
pert judge, placed the awards in a way that
brought forth many exuressions of praise for pert judge, placed the awards
brought forth many expressions of praise for
the impartiality and consistency with which he performed his work. In the class for imported Clydesdales, the principal exhibitors were the well-
known firms of Smith \& Richardson, Columbus, known firms of Smith \& Richardson, Columbus,
Ont., and R. Ness \& Son, of Howick, Que. Also, a number were out for honors from the late im-
portation of C. W. Barber, of Gatineau Point, Que. Other exhibitors in this class were, Adam Scharf, of Cumming's Bridge, Ont.; W. Allin, of Aylmer Road, Ont.: Senator Owens, of MontebelO, Que., and T. B. Macaulay, of Hudson Heights,
Que. In the class for stallions four years and Que. In the class for stallions four years and
over, the entries were all from the Columbus over, the entries were prize going to the intensely flashy and beautiful-going son of Marcellus, President Roosevelt, a horse of striking appearance and grand,
smooth conformation; second going to the grand, ood horse, Sir Henry, a son of the great sire, Prince Thomas; third to Duke of Walton, by Sir Everett, with mighty hittle to choose between him and Sir Henry, both being horses of splendid 3 years old brought out entries from Smith \&
Richandson, R. Ness \& Son, and C.W. Barber, five lining up before the critical eye of Judge Kydd. it did not take long for the talent to decide that an easy winner was to be seen in Inheriter, from the Columbus stable, a rare, nice-quality horse sire, Hiawatha. It took the judge considerable sire, Hiawatha. It took the judge considerable
time to decide just where to piace the other ribbons, but finally second was placed on Esperston, by Bar-
n Loudon, the entry of $\mathbf{C}$. W. Barber: third going to the same stable on Baron Edward, by Baron's Pride; fourth to R. Ness \& Son on Baron Brown by Baron Hood. In stallions two years old, four
came out at the call of time, a lot that, with the came out at the call of time, a lot that, with the
exception of an easy first. it was dollars to dough nuts where the other ribbons would go. First went to Dunure Peeble, a swoet-turned colt, on a faultess bottom, from the Columbus stable; sec
ong going to the same stable on Dunure Acknowl edgment; third to C. W. Barier on Ascot Pride In stallions one ycar old, three exceptionally good stable, the other from the Howick stable of $R$. Ness \& Son. First prize, as before, was easy to pick, on account of an excess of quality, particul-
arly at the bottom, and a decided superiority the strength of stifle. He was found in Dunure Wallace, from the Columbus lot, a get of the
noted Baron o' Buchlyvie; second was from the Ness stable, in Indomitable, by the great Bene
dict: third from the Columbus stable, in Huntley Pride, by Ruby Pride. The latter two are colts with a vast amount of substance and character Roosevelt, and rightly so. airs came out two from the stahle of Senator Owens, one from the Columbus stable, antl one from the stable of
w. Allin. Here, too, as in all the preceding W. Allin. Here, too, as in all the preceding
classes, quality, combined with a smooth, drafty conformation, coupled with true. straight action counted much with the judge, which was found for
first honors to Floshend Princess, from the Columbus stable, as did also first in foal, and the gold medal for best mare and foal. Sicond went to Senator Owens on Kyle Rosie, a mare of great
substance and a splendid bottom, her foal getting substance and a splendid bottom, her foal getting dian, another big. good kind, her foal getting second. Filly, 3 years old.-Only two were out for honors here, both the property of Adam
Scharf, and a right good pair they were, with a splendidly-blended combination of size, quality,
character and action. First went to Maggie Pat character and action.
terson: second to Lady Rrown. Finly, 2 years
old-Only two were out. An easy first was found old-Only two were out. An easy first was found
in the big, splendid filly, Amulet, from the Ness stable, a filly with great size, character and
much quality. This filly was finally awarded the female championship, a decision that gave univer-
sal satisfaction. Second went to the entry of $C$ sal satisfaction. Second went to the entry of
$\mathbf{W}$. Barber, a new arrival, and consequently not in fit. Filly, one
and Allin second.
and Allin second.
Clydesdales, Canadian-brel
It was certainly very pleasing to note the high class quality and character of many of the entrie with the exception of a single entry, all the exhibitors were Easten Ontario and Cuebec farmers notably, D. Boyd, Kars. $\begin{aligned} & \text { Ont. } \\ & \text { Ormstowm, }\end{aligned}$ Ormstowm, Qoint. Que.; W. McIntyre, Kemptville Adam Scharf, Cumming's Bridge, Ont:- C. Curdy, Hazeldean, Ont.: J. II. Wallace, Xorth Gore, Ont., and Smith \& Richardson, Columbus
entires-a massive, smooth lot. First went
Stanley Prince 2nd, by stunley prince (imp.) Stanley Prince 2nd, by Stanley Prince (imp.), th (imp.), the entry of McDougall Bros.: third th King Edward, a full brother to Togo, also ownely
by Mcllougall Bros. Stallion, 3 years old-Only two came forward, Royal Montrose, by stamley Highland James, by Bucephalus (imp.), the entry of Smith \& Richardson. The prizes were awarded a deal of praise from the judge for his superb a deal of praise from the judge for his super is certainly a right good sort. Stallion, 2 years old-Only one entry caune forward in this class
Goldfield, by Ardlethen 1 remier (imp.), the prop erty of W. H. McIntyre.
Brood mare and foal, had also a single entry from $\Lambda$ dam Scharf, in Hattie McIntosh, by Mc
Intosh (imp.). Filly, 2 years old-An outstand Intosh (imp.). Filly, a years ate- was found in Pretty Queen, the entry of J. R. Mccurdy. She is a filly of great substance, smooth to a turn
and stands on an extra good bottom. Seconi and stands on an extra good went to Royal Lady, the entry of W. R. McLatchie. She was a filly very much after the type of the first-prize one, with lots of size and
character. Third went to Lady Glenlivet, from the Columbus stable. This filly, from her in tensely smooth mould and exceedingly flashy qual ity, was the choice of many, but the judge thought differently. The first-prize one, Pretty
Queen, was finally awarded the championship Filly, 1 year old-There were only two entries that of McD.ougall Bros. which was awarded first and the
second.
In the stallion classes there were two championships, one for horses owned in the County of Carleton only, which was won by Stanley Prince
2nd; the other for best stallion outside the 2nd; the other for best stallion outside the
County of Carleton, which went to Royal Montrose.
shires.
It is very evident that this great English draft breed of horses has gained little favor in the Ot-
tawa Valley or Province of Quehec, as there was only a single entry, and that in the class for stallions four years old or over. He was Moomoor Royal (imp.), by Royal William, the entry of Dr.
G. W. Bell, V. S., of Kingston. He is a horse of commanding appearance and great substance, a credit to the breed and his owner.
PERCHERON, BEL,GIAN, AND SUFFOLK
This mixed class brought out a larger entry than we remember ever seeing at ottawa or else-
where in Canada. from the well-known importing firms of J. Crouch \& Son, Lafayette, Ind; ; R. Ness \& Son, Howick, Que.; and 13. Beaulieu, St. Jerome, Que.
Stallions, 4
to Perchemens. First to J. Crouch \& Son on No
Stine to Percheme. First to J. rrouch \& Son on No.
33; second to F. I. Wilson, of Mariotick, Ont.,
on on Rocket, and third to R. Ness \& Son. Stallion,
3 years old-All the prizes went to J. Crouch \& 3 years old-All the prizes went to J. Crouch
Son; first on the Percheron, No. 40; second on the Belgian, No. 66; third on the Belgian, No. 90. Stallion, 2 years old-In this class, all the entries
were from the stud of B. Beaulieu, five in number were from the stud of B. Beaulieu, five in number
and all Belgians. He, of course, was awarded all the premiums. The championship went to Crouch \& Son on No.
french-canadians.
This popular gen ral-purpose Quebec breed were Louis Thouin, of Repentigny, St. Norbert, Que.: Owens, of Montebello, Que... and were judged by
Mr. L. Lavalle. In the class for stallion four vears and over. first went to Denis on Prince Royal: second and third to Senator Owens. Stal
lion, 3 years old-First went to the single entry of A. Ienis, on Major. Brood mare and foal-Anather single entry from Louis Thouin, which was
awarded first and gold medal. Filly, 3 years old, also went to Thouin on a single entry, Gold
meral for best stallion went to $A$. Denis, on Prince Royal. hackneys Hackneys made a poor showing. The entrins
were few, and the quality not as goot as we are accustomed to seeing at this great show. The A. Chartier, of St, Paul 1 Ermite, Que: J. J
13ack, Winchester, Ont: H. Mactive, Otawa, and
 old-First went to T. A. Cors second to A. 'Chas
 camsiage oh comen. hands of J, "rouch \& "ow and Re Ness \& Sion come exceedmely high-class animals were brough
out hor homers In the class for stallions foud out for homors In the clase for stallions foy
tallion; second to iiss on an emported French Coach stallion; third reverting to the Indiana
ctable. itallion, is years old, went first and


| This greatest oi all road breeds of horses was |
| :--- | class having one or more representatives. The breeding animals were principally from the stables of ". I'. Stewat, Aylmer, Que.; R. Rlack, of Winof the same place, rerarity evenly civided, the aged-stallion award gong ti. Polar Chimes.

harness and saddle classes.
The harness and saddle classes were well flled with an exceptionally high-class lot of animals,
the strongest exhibitor being Mr. Geo. Uepper, of the strongest exhibitor being Mr. Geo. erper, of
Toronto, whose invincible string carried off the honors wherever shown. Mr. T. A. Cox, of
Brantford, another Western Ontario exhibitor, had things pretty much his owin way in several
classes classes. These, together whith Eastern entries, made up the
: EnERAL-PURPOSE AND AGRICULTURAI
The general-purpose and agricultural classes were exceedingly well filled, and the quality of
animals shown in these classes was a decided improvement over former years.
W. H. Gitson, of Heaconsfield, Que., assisted Wy John Bright, of Myrtle, Ont, placed the ribbons in the light

## POULTRY EXHIBI

ver have Ottawa Fair visitors had the privilege of seeing poultry of higher quality. Ducks, Wyandottes and White Plymouth Rocks, too, were in evidence. The absence of names on the prize

The prizes for turkeys, geese and ducks went largely to Taylor Bros., of Dewittville, Que., who had birds of size and quality. White Wyandottes Yards, of Ottawa; R. W. Vout, of Brockville; R. J. Hunt, of Ottawa South; George Higman, of
Ottawa.
R. E. Blakely, of Ottawa, had some fine Buff Wyandottes. The awards for White Plymouth Rocks showed Jos. Fortier, of St
Scholastique, Que., to have a good share. Fortie and Hintonburg Poultry Yards took many cards in Barred Rocks. A. Buff Orpingtons while Jaw A. Belford, of Ottawa, had White Orpingtons an Mlack Orpingtons. C. C. Cornish, of Ottawa had the large Brahmas, and Morley Peaker, of chiefly to James Snetzinger, of Eamer's Corners chiefly to James, Beniamin, of Ottawa, and $\mathbf{F}$. Orrelle, of Ottawa. Most of the Black Minorcas belonged
to Geo. Hume, of Ottawa, and IIintonbur Poultry Yards. The prizes for White Leghorns went to D. McKellar, of Hawkesbury; $S$. Crouch Steele, of Perth, and Snetzinger had the major hare in Brown Legiorns.

## AGRICULTURAL PRODUCTS

The display of products of the soil, though not field roots, fruits, vegetables and flowers were fre from blemish, and of otawa valley quality. while the exhibit of the Dominion Seed Branch, in
charge of T. G. Raynor, and that of the Central Fxperimental Farm, in charge of W. T. Macoun. were educational. There were samples of sound guished as to quality from external evaminationthus showing the importance of germination tests. Cross-sections of the oat-kernel showed the characteristic blackening due to frost. Clovers and 1. Black Medick, in red clover and aifalfa, were
interesting. Boxes of soil, with growing plañts rom low-grade and high-grade grains and grasses,
showed the value of the higher grados the most remarkable feature of the cxhibit was. a varicty of corn, cross-bred from White Cap Yel-
low tient and North Iakota White Flint. which Maniwaki., Que., 100 miles north of Ottawa. It is clatimed to be ready for ensilage ninety days
after planting. Weeds, weed seeds, and germinaThe Furerimental Foum exhilyt was utactive ant rich in appearance. Neatly-arranged bunches of grains formed the major part of the back-
ground. Then, there were fruits and vegetables of all kinds and crosses. Apples, seedling apples,
crats, plums, grapes, tomatoes and potatoes were One card said the hest potatoes were: Early-


| Aples named ion summer-Vellow Tran luchess. Autumn-I rence, Wealthy, Alexa tosh, Fameuse, Wolf laxter, Go!den Russe <br> In vegetables, man of Billings' Bridge. W had his collection fro off most of the mone few in numbers, perha room and scanty priza Grapes, pears and $p$ |
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The Central Canada Exhibition once more has
 25 colored cheese, with scores showing only frac-
tional differences. In butter there were it lots in the creamery tubs, 6 in creamery prints, 18 in
dairy tubs, and 20 in dairy prints. Quebec butdairy tubs, an away with the prizes, but Ontario cheese men stood on top.
The winners in butter w.
Creamery, two tubs, boxes, or firkins, not less
50 pounds-1, St. Valentine Creamery, St Valentine, Que, 96 . 2, W. H. Stewart, Frontier, Que., $95 \frac{1}{2}: 3$, John Anderson, Renfrew, $94 \frac{1}{4} ; 4$,
W. H. Stewart, Hemmingford, (Lue. 94: 5 , A. W. Hensen, Cowansville, Que., 931

Creamery, prints or fancy packages, not less
than 10 mounds-1. W. H. Stewart, $95: 2$, St. alentine Cramery, $954:$ 3, Wm. Waddell, KerNairy, two tubs, boxes, firkins or crocks, not less than 10 pounds-1, Miss M. A. Tucker,
Smith's Falls, $95 \frac{1}{1}: \mathbf{2 , ~ M i s s ~}^{2}$ F. E. Caldwell, Manofick, $94 \frac{1}{1} ; 3$. Alex. Meldrum, Wyman, Que., 939 .
Dairy, package or basket of prints, not less than 10 pounds -1, Miss M. A. Tucker, Smith's Falls, 95 2. $2, ~ W . ~ H . ~ S t e w a r t, ~ F r o n t i e r, ~ Q u e ., ~$ 95 ; 3, Mrs. P. Dumas, Maryland, Que., 94⿺𠃊
The awards in cheese were: Colored, two factory-1. G. Hugh, Beachburg,
961; 2, L. Brown, Metcalfe, $96 ; 3$, Alfred Park Westmeath, 951 ; ${ }^{4}$, A. S. Wale 9 , North Cote 95; 5hite. Two factory -1, A. A. Park, Westmeath, North Gower, 94 : $4, \mathbf{W}$. F. Gerow, Napanee

ST. THOMAS HORSE SHOW The third annual exhibition of the St. Thomas liorse in the City of St. Thomas, Ontario, on Sept. 22nd and 23 rd , proved a very successfur aired
fair. The weather was all that could be desired for such a function, the display of horses in most
classes of high-class excellence, and the attendance fairly satisfactory, though not as large as the interest of the show woun noted for its high-class horses oi the lighter class, and many good heavy
horses are also fourd there, but more of the farinhorses are also cold enter the competition, in order to add to the interest of the show, and they would doubtless find it a good place to make sales, a dealers and fanciers are generacy on the In out for desirable animals on such occasios, single
the classes for saddle and driving horses and in matched pairs, the dispiay was exceedingly creditable to local exhibitors, while the contribu lions of entries from the noted stables ond o Adam Beck and Mrs. Galt, caused the display in those classes to assume the character In addition of national interest ans of a selection from the noted stud of Graham-Renfrew Co., of Bedford Park, Toronto, placed on exhmbition, interest and competition, greatly added these included the Toenthusiasm or che shago grand champion Clydesdale and Hackney stallions, Sir Narcus and Mrighain Radiant: the champion Hackney the champion Plymouth Forare, and the Toronto champion Clydesdale and Hackney mares. Thorncliffe Duchess Brd and Saxon Queen, which , the show, created
the arena during each session of ing quality with size, and the beautiful and stylish Hackneys showing marvellous action, whe hock pony put up a splender speed. The limits of space
action, combined with sper it the competition.
In the class for single-harness mare or geld ing over 15.2, an outstanding winner in a class
nine high-class entries was found in Miss Wilk nine high-class entries "As.
five-year-old Black Princess. a magnificent mar.
a Adam Beck's grand bay mare, Tady Norfork. ears old, 15.21 hands, with high thise T. Rockey, fine conformation. being ruthers, of Tills
 ring of hovy
 Ind Allallaze, a chestnut mare 6 years old, and in hands, the pair matching admirably in size thith in appearance. Mrs. Peck's splendid pair
if bays, Lady Norfolk and Lord Norfolk, 7 and 3 years old, and $15.2 \frac{1}{2}$ hands, with grand action, made the competition exceedingly keen, to a very line team shown l. G. T. Rockey, and fourth to
W. E. Lumley. oi St. Thomas, for an excellent Miss wilks was also first in the class for single roadsters, with the beautiful bay mare, Rhea W. $15 \frac{1}{2}$ hands, and for pair of roadsters, Rhea W.
and Mary Vincent; w. J. Cowan, of Winnipeg, beang second, and R. J. Young, of London, third In the hurdle-jumping competitions, in which a number of local horses took part, with very
creditable work, the entries from the Beck stathes made the best records, except in the first evenimg trials, in which the grey gelding, Prince Royal, owned by I. W. McPherson, of St. Thomas,
the first award, amid entination horses, saddle end In the class for combination horses, sadde and going to I. W. McPherson for Prince Royal, third
to A. M. Smith, London, for Chateau Belle, and fourth to G. W. Davey, st. Thomas. For heavy-draft team, and for agricultural
team, D. McGibbon, of Shedden, was the winner. or Hackney stallions, Dr. C, K. Geary, of St. Thomas, won with Connaught's Helr. Thomas, won with Cricklade. For Hackney brood mare with foal by her side, Geo. A. Campbell, of Mheate march, won with Jubilee Dixie; and St. Thomas was first with Rose of Powmill. For Shire stal lion, $y^{2}$ years or over, R. D. Fergus. 16.
Stanley, won with Bay Prince, 5 years, 16. Stanley, won with Bay Prince, 5 years,
The musical ride, by the Elgin Riding Clul, was an interesting feature of the show, and de cidedly creditable, considering that only a fey eeks' practice had been avallamana The show was admirably managed, reflecting
much credit on the officers, R. D. Ferguson, President; Cred. $\mathbf{P}$. Geary, Vice.President: Walter Kings
dill, Secretary; W. Wallace Bruce, Assistant Sec mill, Secretary; W. Wallace Bruce, Assistant Se retary, and upon the Executive and Dict Robert The judges were W. H. Millman, Toronto: Rober falo,

PEDIGREES MUST BE GENUINE
ass of suspicious work on the part of breedpedigrees, are being investigated by the Record Committee who supervise the National Live stock Records. during rair weok, it was decide to take severe measures in dealing with these cases. All were unanimous in their determinatio oo keep the records clean have already been cancetce consists as follows
The Record Committer
Stouftille. Chairman; Hon Roht. Miller, of Stoufrilie, Col.; Robt. Graham, of Bedford Park. Ont.; Wm. Smith, of Columbus Ont.; J. M. Gandhouse, of Weston. Unt.: Robl ford, of Howick, Que. . Firant, of Ottawa, Secre tary: Dr. J. G. Rutherford, Live-stock ComThe clause in the Live-stock Pedigree Act deal ing with the matter reads . signs a false pedigree, or who presents or andigree for registration ly the Ass sociation. shall, upon suminary conviction, uponmission of the offence, be lialile to a penalty not Tres then $\$ 100$ and not exceeding 8500 for each
falsen modigree so signed or presenter, together with the costs of the prosecution care in connection with their private records,

## FAIR DATES FOR 190

## sth and 9 th - Kilsyth Agricultural Socicty, Kilsyth.

 sition. Chicago. herst. N. S. 2 .$\qquad$
$\qquad$
 Far:ns. has concluctiny a site for an experimental farm

VEGETABLES FROM AB! THIB


From the above table it will be notledi: ( (1)) Avitibi
hud frost in every month but Augustr, the Juhy frost
 85 days. Guelph has 145 duys ton invom lailling moost. (2) At Abitibi maximums ane higher amid mimimum ower than at Guelph. i.e., Abitidibi dilimateo is much more extreme. It had highe
and August than had Guelph.

CANADIAN BOUNTIES AMD TARNHF BEMEFITS The amount of bounties paid bey the coovemment of ssued official return

| On | iron and steel | \$2,808,440 |
| :---: | :---: | :---: |
| On | lend, smelted | 54.0001 |
| On | binder twine |  |
| On | petroleum | \$01.217 |

 aid of the proprietors of a fiem indiusturibes. When that meaning is fully approciated win mount mainhot to count on many renowoles of the gryantss." And
 ion dollars paid annually ass an in indeat preemium to Canadian manulacturers, in that fonim od enthanced prices
 is not ordinarily
petitive value of the goods, the ceansumpr does not
realize its degree. It is wheth we mansulit statistics rea!ize its digree. It in whe totals, that we nealive the burkden of a high protective tariff. Whethen applocimuech cor not, tublic

INCREASED PRIZES FOR E. L. S. MWD P. SHOW The annual meeting of the liasstuerm Ontario Live-stock and Poultry Shew wass halld in ottawa on September 23rd. Mir. Peter (imonto, wais elected President, and N. F. Willsemtl. (Commbertiond, Vice-

 tions foverning the show and folltowss 1. That competition in the bivestood depart 2. That the age of weof shall be computed to the first of Sepptember. 3. That the dairy test shmil cemwin Saturday morning previoness to the show. Large increases were madie the whrount of prizes offered in different divpmitumentis. The tota
amount of cash offered for crompentition at the next show is over $\$ 7,000$ Thiss elivided among the departments
sheep, swine, seeds and promitury. To emphasize
 might be noted that a simgle shluest cown win $\$ 90$ The classification is so lantre way the prize money is divided up sufficiemuly tho athow any well

The million-dollar packing phant if A. Y. Grimn es
 cral hundred hogs being in them yemitan for slaughter at
 Chicago packing tame. The simmombem esteblishment

## THE FARMER'S ADVOCATE

SHEEP FOR IITERIMATIOMAL EXHIBITIOH FIGHT FIRE WITH FIRE,

It is hereby ordered, that from November 20 th to December 5th, 1908, Canadian sheep may be imported into the United States, for exhibition purposes at the Chicago. Ill., from Noveraber 28 th to ${ }^{\text {to }}$ December 10th, 1908, without being subject to the 30-days quarantine, rovided they pass a satisfactory inspection at the port of entry, and are accompanied by an affdavit of
the owner or importer, and a certifcate issued by a Canadian official verterinarian, as required by amendent 3 to B. A. I. order 142, amending regulation 41 of the regulations for the inspection and quarantine of orthes, cattle, sheep and other ruminants, and swine imported into the United States, and provided, further,
that the sheep which are not sold to remain in the Inited States shall be returned immediately to Canada the close of said exposition The Department must be notified by the owner or mporter, through he ofnce of its veterinary inspector in charge at chicago, of any tanadian sheep which are and such sheep will be maintained in quarantine at the exposition grounds, under the supervision of an inspector of this Ihepartment, who shall issue

The thinty days of quarantine wilt ce counted
the date of entry into the United States.
All Canadian sheep intended for this exposition must be shipped directly to the exposition grounds. any publics stock-yan
JAMES WILSON, Secretary of Agriculture. CHANGE IN DATE OF ONTARIO HORTICULTUR AL EXHIBITION.
The dates for the holding of the firth ontario Hor ticultural convention, in the St. Lawrence Arena, Toto 14 th, have been moved forward one day, to permit of the opening being held on the evening of Thanksgiving Day, November 9th.

NEW SHEEP RECORDS The Record Committee of the National Record Board, at a meeting in Ottawa during the centra Canada Exhibition, decided to take steps in iomin ion Sheep-breeders' Association, for Ch

Fditur "The Farmer's Addocate" "
In a late issue. Mr. V. Hewitt Rowell comes to the defence of Miss Eunice Watts. He tells us that war is caused by ignorance, superstition, sellishness, pscudo-patriotis. arnores. they The main causes of war he entirely ignores; they are pride, ambition and covetousness. have been great wars of the last hastance, Russia wanted aused by these, inople, hence the Crimean war o get Consta manchuria, hence the Russodapan war. The U. S. Government coveted Cuba, hence the spanish war. Kruger wished to become lord paramount of South Africa, hence the Boer war. It is vain ior socialists, avor of ists and others to pass States or Russia decides on going to war, Hague Conference resolutions don't count. You must conserenhe with weapons (swords, pistols, guns
mand bayonets) similar to thir own.
WILLIAM BOYLE.
 GOSSIP.
Messrs. Dunnet Bros., Clanbrassil, Ont., advertise for sale Leicester shearling rams, ram lambs, shearing ewes, bred lambs, and one tworkear-in in good condition and at reasonable price

At the Lanark, Scotland, annual show and sale of Blackfaced Highland sheep.
on September 8th, five shearling rams of on September 8th, five shearling rams o
that breved, belonging to Mr. M. G. Hamthat breod, Woolfords, sold at auction for a average of $£ 62$ each, two selling fo
100 and 105 guineas each, while a 100 and 105 guineas each,
year-old ram sold for $£ 90$.

At an auction sale on August 27th, of importod and American-bred Shropshire
and Oxford sheep, owned by Geo. Mc-
Kerrow, of Wisconsin, on the State Fair grounds, at Des Moines, Iowa, imported grounds, at Des $\$ 137.50$ each, and imported ewes at $\$ 30$
to $\$ 100$, yearling American-bred rams at to $\$ 100$, yearling American-bred rams at
$\$ 20$ to $\$ 32.50$, American-bred ewes at $\$ 20$ to $\$ 32.50$, American-bred
$\$ 17$ to $\$ 22.50$, and two imported Ox-
$\$ 100$ and $\$ 105$. ford Down rams at $\$ 100$ and $\$ 105$ each. At the dispersal sale on Sept. 10th, of
the Shorthorn herd of Mr. Sydney Hill, the Shorthorn herd of Mr. Sydney Hill, at Langford, near Bristol, Fngland, very
satisfactory prices were realized, the ensatisfactory prices were realized, the enage of a little over $£ 92$ ( $\$ 460$ ). Mr.
$\left.\begin{array}{l}\text { Mr } \\ \text { Duthie paid } \\ 210\end{array}\right)$ guineas for Princess Duthie paid $\quad 210$ guineas for Princess
Royal 85th.
Capt. Gordon took LavenRoyal 85th. Capt. Gordon took Lavord
der wreath 2nd at 205 guineas. and Lord Wier Wreath der Queen, and half a score others
brought from 115 to 155 guineas each.

> DEATH OF HENRY STEWART. Dr. Henry Stewart, widely known al the "Domestic Sheep," and several other works on agriculture and stock-raising, died at his home in Franklin, North year of his age. He was a native of year of his age. He He wasely for the
New York. He wrote largely
agricultural press on sheep, and was for years interested in $\qquad$
Sale dates CLAimed.
Oct. 1st.-Joseph Akitt, Inglewood Shorthorns.
Oct. 7 th. $-\mathbf{R}$. Corley, Belgrave, Ont oct. Thorthorns.
Oct. 20th.-David
Nov. 4th.-A. E. Meyer. Guelph; J. Wat
$\&$ Son, Salem, and J. (iordon Gibl
St. Catherines, Ont.; Shorthorns, a Guelph.
changes in fair dates. The following are the corrected date
fairs announced by the Ontario D of fairs announced by
partment of Agriculture
Queensville...
Tara..........
Wallaceburg


TRADE TOPIC
The attention of our readers is called
to the advertisement of Cooper's Fluid
for the destruction of ticks on sheep
lice on catcle, horses or dogs, and for
 either byy dipping or pouring, before win ter sets in. Cooper's Fluid cleans the
skin and promotes the growth of wool as well as destroying all lice and tick
which, if neglected, may give muct trouble and seriously hinder the thrift
the flock during the winter and spring

## ANSWERS <br> QUESTIONS AND ANSWERS.



Miscellaneous
BLOODY MILK
Cow, 14 years old, a good milker, gives bloody milk from one quarter; has con-
tinued for three weeks or more. W. B. Ans.-This may be due to accidental jury or to congenital weakness of the
tissues of the udder. Bathe the afflicted quarter long and often with cold water, then rub well with camphorated oil, and
give one ounce tincture of iron in a pint give one ounce tincture of iron in a pint
of cold water twice daily until blood
censes STATIONARY ENGINEERING. Is there any school in Canada at which
1o learn stationary engineering by mail o learn stationary engineering by mail
or by attending the school in personf? or by attending the school in personf?
or where and now do you learn? Ans.-We do not know of any school in Canada that tenches stationary engineer-
ing by mail. The International Corre
spondence School of Scranton, Pa., does spondence School of Scranton, Pa., does
We believe that Francis A. Corns, 190 Spadina avenue, Toronto, prepares andidates to undergo examination fo
ertificates.
WM. B. VARLEY, jecretary to the Department of Agricul
ture, Toronto.
MIXED GRAIN CROP CURED AS
$\qquad$ ay: then raked and made small cock
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

HOMEMADE VERMICIDE
Would your chemist be good enough to give me some idea as to the manufacturing of the patent vermin-kulers that are Some of them atilizing, but are very expensive, and no doubt could be cheaply made by one who knew on what lines to work.
Ans.-Many of the best patent verminkillers that are used so successfully in keeping fowl clean are proprietary mix tures which we have never analyzed, and eir composition. Where liquid subances can be put on the inside of the uilding, any of the coal-tar products ay be used successfully. For applica is. plaster of Paris, one pound gasoline and one pound of crude carbolic acid.
an been used by our own Poultry De partment with good results. The gasoline is first mixed with the plaster of Paris
and the carbolic acid worked in afterrards. The mixing is usually done with the hand, a glove being worn for prolection. When the mixture is properly hade it will be in the form of a din
dusty powder, which may be rubbed in among the feathers with comparative ease. To get the best results it should解 well rubbed in, so that it may come contact with the verwin which are
I. HARCOURT.

CIDER VINEGAR.
$\qquad$ arrel full, a year old; it is nice and
$\qquad$
$\qquad$How could I make it cleara constant reader.ourth its velume of old vinegar, if itcan be procured; next add a little
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$ a space of from vinegar should
$\qquad$
$\qquad$
$\qquad$

october 1, 1908


## MARKETS.

TORONTO. LIVE STOCK.
The total receipts of live stock at the
two markets last week were 329 car-
 oads, containing 4,663 catte, 5, ,
hogs, 7,113 sheep and lambs, 262 calves,
and 75 horses. and The quality $_{\text {The fat catcle generally was }}^{\text {qual }}$
the worst of the season-that is, there the worst of the season-that is, there
were fewer good. well-finished animals in
both were fewer good, wel- and export classes.
both the butchers'
Trade was dull all week. Several dealers. having bought heavily the week before, were not anxious unless they got them
at lower prices, which they did. Prices generally were 15 c . to 25 c . per cwt.
lower; in fact, exporters were more than At
West Toronto, Ont., on Monday,
Sept. 28, receipts numbered 756 cattle; quality fair; trade dulli; prices easy.
 calves, $\$ 3$ to $\$ 6.75$ per cwt.; sheep,
$\$ 3.25$ to $\$ 3.50$; lambs, $\$ 4$ to $\$ 4.50$ per $\mathrm{cwt}$. hogs, lower, at $\$ 6.75$, fed an
watered, and $\$ 6.50$, at country points, Exporters.-Export steers, best quality,
sold last week from $\$ 4.75$ to $\$ 5$; medisold last week from $\$ 4.75$ to $\$ 5$ medi
um $1,200-\mathrm{lb}$. steers, $\$ 4.25$ to $\$ 4.50$; export bulls, $\$ 3.50$ to $\$ 4$. It would take an extra quality load of exporters to
bring $\$ 5$, as the British markets are in bad shape at present, which has caused
several of the Toronto dealers severe losses on recent shipments.
Butchers'.-Prime picked heifers and steers sold at $\$ 4.50$ to $\$ 4.75$; loads o good. $\$ 4.15$ to $\$ 4.40$; medium, $\$ \$ .51$
$\$ 4 ;$ common, $\$ 3.25$ to $\$ 3.60$; canners, $\$ 1$ to $\$ 2.50$; bologna bulls, $\$ 2$ to $\$ 2.40$. the country has been a serious handicap month. Many farmers who contemplated putting in feeding cattle have been dis couraged. Last week there has been
little more doing, as some of the dealers little more doing, as some to buy a few bulls and some heavy, rough steers.
 and $\$ 2.60$;
rom $\$ 2.25$
$\int_{\text {Milkers and }}^{\text {rom }} \$ 2.25$ to $\$ 3$ per cwt . milkers and springers was greater than to $\$ 65$ each, and more would have found Veal Calves.-Receipts light. Prices ranged from $\$ 3$ to $\$ 6.50$ per cwt.
Sheep and Lambs. - Recoipts large and
 lambs, $\$ 4$ to $\$ 4.50$ per cwt .
Hogs.. The market at the latter end of Hogs. The market at the latter end and
last week was, if anything, firmer, and
s. $\begin{aligned} & \text { ane paid for selects, fed and }\end{aligned}$ 87.10 was paid for
watered, and $\$ 6.85$
wuntry points.

HE HARMER'S ADVOCATE



Hife, Fiterature

IContiputions on all sublects of popu-

## TEMS OF INTEREST

 A banquet at which five hundrul by the Mendelssohn Choir in honor by the Mendelssonn choinus Sheffieldof the visit of the fanous
Choir to Toronto in November. The Choir to Toronto in Novenber. The latter, which will tour canada, has
been pronounced by the great leader, Nikisch, as " the linest body of sing
ers in the world." It is under the
 regarded as the ". maste
A colossai bronze statue, the first to be erected 10 Queen Alexandra.
has been unveiled at the London Hospital, of which the Queen is President. One the relief panels the pedestal represents Department of the hospital by Her Majesty
The Arthur's Fass 'Tunnel through the Alpine Range, South Island, 'New
Zealand, whose construction was re Zealand, whose construction was re
cently begun, will, when completed rank fifth among engineering feats o that nature in the world. It wil
 14 feet wide at the rail, and evill which come first in magnitude rank
as follows: Simplon, $12 \frac{1}{2}$ miles as follows: Simplon, $12 \frac{1}{2}$ miles
long; St. Gothard, 99 miles; Mont as
long;
Cenis,
miles.
 1899, with the aim of training and developing the
who are or will be leaders of work-
ing-class opinion, and giving an allround education in citizenship. In stitution has prospered. Last year
its students numbered 54 and, as no more could be accommodated without larger apartments, a building
fund has recently been started. with the object of crecting a new edifice devoted especially to this branch of
the University. The average age of the students so far has heen 24
Most of those who attend are from the working classes, and the majority. after spending the year pre-
scribed by the course, fo back to scribed by the coin
their trades again

$$
\begin{aligned}
& \text { The King is said to greaty prefir } \\
& \text { plain, breezy men. who admit hime }
\end{aligned}
$$

$$
\begin{aligned}
& \text { plain, breezy men. who admit him } \\
& \text { o the common humanities," to those }
\end{aligned}
$$

$$
\begin{aligned}
& \text { tomind him of hi } \\
& \text { who continually ren } \\
& \text { solendid isolation. } \\
& \text { consequent }
\end{aligned}
$$

$$
\begin{aligned}
& \text { splendid isolation John Burns. } \\
& \text { he is very fond of }
\end{aligned}
$$

$$
\begin{aligned}
& \text { he is very fond of omed to express his } \\
& \text { is not at all ashame } \\
& \text { it }
\end{aligned}
$$

liking for the eminent lator lead

$$
\begin{aligned}
& \text { Pointing to a chair in a smoking } \\
& \text { room of Windsor Castle not hong ago. }
\end{aligned}
$$

rom said to a guest.

$$
\begin{aligned}
& \text { he said to a guest. "o you sed } \\
& \text { that chair? John Burns sat there. }
\end{aligned}
$$

to whom he is by no means the cold
aristocrat, but good, as well as aristocrat, but good, as well as
wise, King " Ted., The old theory that the earth is a spherical body, llattened at the poles, taught at school, bids fair to go the way of the majority of theories.
Some time ago, Lowthian Green Some time ago, Lowhian Green,
basing his conclusions on the distribution of the continents, advanced his opinion that the earth is not a "globe" at all, but a tetrahedron, ing the continents at its apices, the
oceans on its faces. At the time, oceans on its faces. At the time,
the theory met only with ridicule he theory met only with ridicule, their conclusions, in turn on the re sults of polar explorations, have been rather generally accepting it. To
prove absolutely the truth of the theory, however, it has been held that a fourth apex and a fourth face
(three apices and three faces being (three apices and three faces being
already known) must be discovered, and the opinion is now launched by Abbé Th. Moreaux, Director of the Bourges Observatory, that this necwithin the Antarctic Circle. Sound his prognostication in regard to that quarter prove true, further Antarctic exploration may render nccessary of the modern geography.

## A NOVA SCOTIAN EDUCATIONIST ON SPELLING REFORM

asleep, notwithstanding the not fact that comparatively little has been heard
from them for the space of from them for the space of a year or
so. While a few leading journals, such as the Now Jor ind... implint.
have quietly adopter such impreve ments as seemed to them innst im-
mediately necessary, and are every week publishing ", ho," "ther,"
"prest,"." drest," (why not walkt?),
it is to a more tumultuous order are coing
on away down in the cauldron which the Simplified spelling Board is still there comes a lubbling-over. and then, from one of the Board, or one
of their sympathizers, we hear that things are being done and hopes are Among others, Mr. A. H. Mackay, of Fducation for that most progressCe little province molucationally, In a paper read in New York City,
he enumerates again. and with an Mophasis that comes onls oi onn-
iction, the reamons which to him ap-
$\qquad$
$\qquad$
$\qquad$
$\qquad$ he est imates. is spent in "memori,
ing the unnecessars and infloper io


## se are yet striving to perpetuate 10

 the millions "ho urcurateys acquire money, and morals" Why! They show some incident in the history ofthe word. Not the whole history, the word. Not the whote Thistory-
of course, only an incident. The ma-
jority of our words are acknowledge of course, only an incident. Ne mar to serve their purpose well enough
without any fantastic, functionless without any fantastic, functionless relic appended o them. and girls are
ooo, ou0 little boys all
orced to engrave all these curious ir forced to engrave all these curious irregularities on the fleshly tablets of
their hearts when they are too young their hearts when they are to young
oo know their meaning, so that one in a thousand of them who may after-
wards become embryo philologists wards become embryo philologists
may have the delectable pleasure of being kept conscious, every time he sees the 'me ' at the end of 'proram, that the word came from the
French. Why the poor word should be made to carry a nemorial of its residence in France, is not explained.
"Written language is an instrument. There is no advantage in making it, also, a clumsy walking ad-
vertisement of a fact which housand only can understand, and hich, when understood, is generally more distracting than edifying, and
which, moreover, can be as effectively known and remembered without this clumsy primitive device.
". Our modern man with the hoe polishes the handle instead of leaving patches of bark and splinters of mind of the aboriginal hoe handle, plucked. without a polishing tool,
from the forest. The man with the smooth hoe handle is the modern re-
former. He keeps the history of hoe handles, too-in his library, not With less time spent on spellmight be writer points out, more tion. "Expression in written and spoken spech would then
utilize some of the time saved from Mr. Mackay is conident that the time will come when phonetic spelleven, although. in the recognized,
meantime, perhaps lasting for several genera tons, in which the two systems. the
old and the new, must stand.
$\qquad$ there is one question which .. Th
Farmers Advocate. ask: Are words phonetically spelled one person also phonetically
spelled to another ? spell ". through ", "thrus" and anmay be multiphed indefinitely is it must of necessity be almest as ar
Litrary as the he proposed rogim. .will mistakes
$\qquad$
$\qquad$ the King's humor. yet. reating of the King's humor. Sed lines, the ring of sincer-
bee ween the ling inst such
ceive letters from school teachers
thers who can offer definite amples to sulstantiate whatever ppinions they may hold. Whatever

## THE DELIGHTS OF MOTORING

 The following, from British ". Naapprows hat the motor nuisance cross the sea, as well us in America The following is a record of the hief outrages committed by motors haghan laty of sixty five was knocked down by a motor car and killed. She came from behind a ing. A and hesitated" in cross eight was crushed by a car, and though he "managed to crawl" ou from underneath it, was Wad!y Penzance, about to mount one motor and has hnocked down by another and family, after receiving terribld injuries. A motor car, driven Mrongh \#arton, knocked down a merchant, broke his rilds and chester rapidly away." The motor was said ight, playing in stolen. A child of etherfield, was run over and near hconscious to Nottingham Hospital correspondent of the Glasgow Her lands, and hearing arden in the Highand grating of motor-car whenls, saw a boy cyclist " lying on the cycle "smashed ui:" and his Wheels of the motor car one of the hoy had no ripht car said that "the car," which, the correspondent states, gave no warning of its approach. Tho slew a Carmarthenshire laborer, and then drove away from his body, haveTHIS IDEAL GIRL OUGHT TO SUIT Having read with pleasure the foung Man's standpoint,", from a pen of "Pensons," I think it would ,e well to hear what our young I beliere, in "starting bife", and hat, before choosing "o a companion an ideal. a and should look for a lady for a human being to 1 e . It is, I
believe, a hard thing to find a woman or man in whon we can find ns Sul. who ever trad this earth. To be ideal a young lady must
have duep religions principles, and voung lady who hammot he ideal. A near that ideal I think a young man who is a (hristian could never
$\qquad$
$\qquad$
$\qquad$

TOBERE 1. 1904

the most alsurd things futher is hearing a Episcopalian and my mother is comgregationalis in an otherwise hal How can two walh
they be agreed. they he agreed a young man
lady to marry
form him, I can only say this young man courting day:

Then, a young ladis, 10 be ideal. keeper. Most men are not able to
keep servants. and so their wives In this day, I believe, it is the fashion for mothers to do the drudgery,
while Polly, Norah and Betty enterwhile Polly, Norah and Betty enteris a mistake, and I think that young ladies would get better, stronger and more manly men if they would help mother more. Any young woman
ought to know how to make a good ought to know how in my short life I have seen a lot of young ladies who could not make a decent cup of tea, and, as for their pies, il you
tossed them over the house, they would remain intact. On the other
hand, I have met young ladies who could cook a meal is told of a lady who was advising another lady how to cure her husband of the
blues, frowns, etc., and the recipe was. "Feed the brute." A very good recipe, as most men like, after coming in from the cold barn, woods or shop, to be able to sit right down
(not half an hour later) to a good tasty meal. A young lady ought also, to know how to sew, for, i she ever gets a farmer, mechanic or lainly have to know how to sew and mend properly. If she is able to
cook and mend well, she is on the high road to being a first-class houseThen, a girl must be neat in appearance. How oiten you see a
voung woman, Sunday night, in her silk and satin and "Merry Widow, and you remark,
young lady!" But lo and behold you see the same person Monday into the washing, and you will find her with hair done up in papers, an
old loose waist on, and a dress you old loose waist on, and a dress
would think Noah's wiie had worn, or an old apron all tattered and that you can tell the neal woman. I heard a very excellent authority once say, "If you wish to find the on the piano on Sunday night, and 8.30 or 9.00 ; and if she appears with a neat house dress on, and her hair Now or flower, make a bid for that voung lady, for she is one in a hunsight than a farmer's daughter, at the close of the day, in her neat
muslin dress and sunbonnet, feeding the chickens, ducks or turkeys. A coung lady looks a great deal better
in a neat, well-fitting dress and bonnet than when she is dressed in he studio on top: her meek-a-loo wais and stockings: her beautiful sil
skirt, and neat hittle Oxfords, made on purpose to show of hir meat ani lreety fect. This may be a litt
overdrawn. but it shows that it i
casy for a youns lady to attain neat casy for a yours lady to attain neat
ness. To sum it all up, on ideal young
lady is. in my humbe osionom ond
who is a christian. an and house who is a Christian, a mond house
keepere and neat in apmanance. Il tainly be hard to that and hard
still to win: but what cons: little. not worth havine. wher sit



$\qquad$
best for a mait. not only to hcep-down
and the base in man, but to teach high
we though and amiable words, and
and thought and amiable words, and
courtliness, ant he desire of fame,
and love of truth. and all that makes Many girls seems to cot the at tentions of young men wis. are noted flirts, and those known as "quite a
ladies' man," and often speal of the ladies man, and in my ide.l as
type of , man who is
slow ", while the remark, "Oh, lu's "slow," while the remark, "Oh, hes
altogether too particular," comes often from young and ros man grows occasionatiy that young man grows
pessimistic, and thinks to himself that all girls are the same, and becomes sure that he will never meet
his ideal, because he thinks he has placed his ideal too high. I wish
that man could but know the admirthat man could but know the admiration he awakens in the hearts of
many women. I could never, never many women. I cound never, haver ished his affection and caresses on
every girl he admired. The man I every girl he admired. The man
admire most is the one who would be admire most is triend to a girl, ready to do
a true
anying in the world for her, and anything in the world for her, and
accept, in return, the same sfaunch accept, in return, the same siaunch
friendship. Every woman admires a triendship.
manly man. I think I find my ideal
in the man who could keep the oath in the man who could keep the oath
which " King Arthur ", made the knights of The no slander, no, nor listen to it. To honor his own word as if his God's. To live sweet lives
in purest chastity. To love one in purest chastity. ship her by years of noble deeds, un
til they won her." til they won her." I am afraid I am like many others
who place thrir ideals too high, but who place thir ideals too high, but
if our idea!s are high we are more apt if our idea!s are them, and in this way come nearer being as we would lik
to be than if our standard were low
"QUALITIES A YOUNG MAN SHOULD POSSESS
Editor "The Farmer's Advocate ": Speaking of young man in general, " Lochinvars" at the present time, or knights of old. But, to be manly, and a noble character, a young man must be a Christian, one who will not follow the crowd, but stand out alone, if need be, abiding always by his princinles, and ing depth of character. Also, I would expect my ideal to be honorable, refined, kind, and sympathetic-
one who would be a companion. I would expect, too. that he would be intellectual, having self-respect and that he be always courteous. In my estimation, if a yound man
possessed these cualities, I believe possessed these reme very near my "ctand-
he wo.ld romed
ard of manhood.

SOMETHING ABOUT OUR INDIAN WARDS.

It has been said that the Indians are a dying race, a statement which hewnham, the wife of the 13ishop of Saskatchewan, tells us that in the last five years there has been an increase of 283 in that diocese alone, dian, when kept apart from contaminating intercourse, is, as a rule, a noral and law-abiding man: After twelve years' of experience amongst
them, I can honestly say that, comthem, I can honestly say that, white man, whose advantages and privileges have been greater, they stand high in
their standards of morality, und, as Christians, they are much more earnest and sincere.
There are, we are told, amongst Indians of the Yukon, many "faithrul
and valiant souls," and, of the Indians amidst whom he so long lived and labored, the late revered Bishop Whipple testified, "There are to be found s7
Of the natives in the district known as Metlakatla, the scene of the labors of Bishop Ridley, it is said,
the girls trained in the Industrial School turn out admirably; it can easily bo told where an Indian, got
his wife by the way she keeps house. his wife by the way she keeps house. much the same as white people-some kood, some bad, but, on the whol they are a law-abiding people. realize the immense dabt of gratitude we owe to those noble men and women who, in striving to enlighten the themselves and their families from the comforts and advantages of ci lization?
educate the children The general opinion, as the result of long experience, seems to be that,
in the earlier stages of missionary work, the Indian parents were too fixed in their ways to be trained to anything better than their camp-
life; but the children beine more imitative and receptive, their amhition could be aroused and their inlerest sustained, as they saw the henents of the labor of their own hands. In illustration of a rapidlygrowing power to grasp the value of
what is taught them at some of their schools. I will quote sentences from schoos. of their own little ossays. I am going to write about the " I am going to write abe wo ought to be thankful to our baker-boys and their teacher for giving us such nice bread."
No. 2, an Indian lad, says. .. We he may call forth from the heared, the woman he loves. For, indeed
know of no more subtle master under heaven than is the maicen passion

cotland Foreve !" The Charge of the Scots Greys at Waterloo
The Chargo of thition, Toronto, 1908
all like to work on the farm, but a
boy must have a goocl education to make a really agod farmer. No. 3.: "Mr. Lr. was down cutting hay for the last few weeks. I would
like to be as big as he is, so that like to and ride around on a mower." No. 4 notes. . We have over 140
tons of hay stacked. tons of hay stacked. We mixed salt
with it to preserve it. Making hay gives a fellow a good appetite. in
am glad to get back to school again; am glad to get back to school again;
still, I like to work on the farm.: No. 5, ar girl, says: "All the
boys and girls are trying to get on
 come. out first at our next examina-
tion.." Whilist No. 6 . , videnty proud of their schaol-providings, writes "We have new books, pens, copy
books and slate-cloths.". finished. We hauled it three miles. Mr. H. looks well pleased when he gazes on the stacks. They are just
about 200 yards from the stables about 200 yards from the stables
It is not a good thing in this country to have the hay out of sight."' No. 8, after proudly telling of im-
provements around their school (Batprovements around their schoos (Bat-
tleford), records: :. Mrs. $\mathbf{B .}$. is teachtheford, records.
ing us how to sing. All our boys
and girls speak out. The boys and girls speak out. The boys
raise their caps when they meet
ladies and we never torget to salute Mr. Lis taking great pains with us,
Mad the little fellows are looking better after buttons and laces every Now, I would ask our readers if these Indian children do not com-
pare favorably with the pupils of our own schools, and whether it be not
worth while to afford them every possible opportunity for their fuller
development?
 much more than formerly ", and the simple reason given in reply is that
the work has grown, and keeps on on
 growing. A. A live church must
make increasing demands for the support of its missions. It would
cost less to bury an army than to is an army, the army of the Living (iod, and missions are the aggressive guard of the servye, the advance arm efficient, should be the unhesitat ing duty of the church far Northwest thus wisely sums sp the position

- It seems to me," he writes, "t that the solution of the whole problem is not asking questions about results o counting heads, but far Christian
people to take up the matter in dead earnest, and to doulle the number of workers, so that, while some carry
on the educational work locally others may, by itinerating, reach the
scattered spatarie
prairie
not let us forget that the firs
Teaching Wigwam." the Shing wauk Home. near the Sault Ste. Marie. was built at the earnest re
quest of an Indian chief of that name, and that it was his faith in the promise of the treaty commis-
sioners, which made oid Chief Mune dooshane, on the Nepigo Lake, so long and patienty wailizor and evan gelize his people, and the cry still comes to us from other Indians in
other parts of the Iominion, "Come other parts of the Dominion, "Com
over and help us," and this it is out over and help
bounden duty.


## JOHN ANDERSON, MY JO.

John Anderson my jo, John,
when we were first account,
Your locks were like the raven
Your bonnie brow was brent
But now your brow is bele, John
Your locks are like the snaw. Your locks are like the snaw.
But blessings on your frosty pow John Anderson my
John Anderson my jo, John,
We clamb the hill thegither And monie a canty doy, Joh We've had wi' ane anither '
Nown we maun totter down, John Now wand in hand we'll, go.
Hut hand

THE FARMER'S ADVOCATE

## The Quiet liour.

ENTHUSIASTIC LIVING
Whosoever will save his life shall lose
and whosoever will! lose his life for y sake shall find it .-S. Matt. xvi.: 25 ,

Could we but crush that ever-craving
For bliss, which kills all bliss, and lose
Our barren unit-life-to find again
die hives in those for whom w
So were we men and women! and should our
$\qquad$
All spend themselves for others !
shall man,
Earth's rosy blo
Earth's rosy blossom-image of his GodWhich couples Earth and Heaven-doubly As being both worm and angel, to tha
service
By which both worms and Angels hold Shall he he Refuse,
wage
det Which he c
No ! let him show himself the cen By freewill gift of that Sell-sacrifioe Which they, perforce, by Nature's law
muist suffer.

All the Universe, as Kingsley says, is preaching the same strange doctrine, the loctrine plainly stated by our Lord in
the text given above. From God Himself, who pours out His life ceaselessly angels, who never tire of ministering ; from the glorious sun, running a race of hifegiving service; down to the plants and insects which reed the life of others by Cheir death, we find the law of self-sacri see every where. But most of all do we life for others, when we look at it from the Christian's standpoint. Our business in life, if we are really trying to copy our Master, must be to help others at any cost to ourselves. It would have been strange, indeed, if Infinite Love had heaven to suffer with and for mankind. Do we not recognize it as the natural and right use of riches and talents, when they are poured out enthusiastically for
the good of humanity and the glory of God? A man who hoards up wealth is losing all the good of his money-he
might just as well be collecting a pile of pebbles. A man who spends it in selfish
pleasure is sure to find life unsatisfac-tory-he is wasting it instead of living to the ground gains a fuller life through death; unless it
"a abideth alone." of seed no one can get a harvest at all,
and he that soweth bountifully will in the long run reap bountifully, while he
that soweth sparingly and grudingly need not be surprised if the crop is poor and
scanty. This principie holds good in the spiritual as well as in the natural beld piad you ever notice ma last al-
piest
ways the most unselfish, while the discontented grumblers are like children who are or the watch to secure the bipgest
piece of cake or candy? They may think that they are unhappy because ther. can't
get exactly what they want, imit the get exactly what they want, but the
trouble is that they have eimed wrongly -attempting to save their iffer they ane

cold of Russia in a ruined shed. The
prince was unused to hardships, and-so prince was unused th hardships, and-so
the story goes-those rough men took of
their cloak and laid them over him as he slept. When morning came he woke, he slept. When morning caund his faith-
warm and rested, but he found
ful soldiers had indeed been faithful unto ful soldiers had indeed been faithful unto
death, giving their lives for him. I don't know whether the story is true
but it seems to me to be splendid. T give life in order to save another life al-
ways seems the right and noble thing, ways seems the right and noble thing,
even though the life sacrificed may be even though worth far more than the one
apparently
saved. There is one great difference bet ween
the sacrifice of seed grain and the noble
enthusiasm of self-sacrifice for others. the sacrifice of seed grain and the noble
enthusiasm of self-sacrifice for others.
The first is done deliberately with an The first is done deliberately, with an eye to the future harvest, while the sec-
ond is poor indeed if it is done for reond is poor inder or in the next. "If ye
ward in this life
lend to them of whom ye hope to relend to them of whom ye hope to re-
ceile, what thank have ye? for sinners also lend to sinners, to receive as much
again." The disciples showed how little again." The disciples showed how little
they understood their Master's example when, atter mentioning things they had
given up for His sake, they asked, given up for His sake, they asked,
". What shall we have therefore?" If a man tries to buy Heaven with earthly gold, he may be wise and prudent, but
his bargain can hardly be considered his burgain can hardly be considered
noble, any more than JJacob's compact
to give the tenth of everything if God to give the tenth oreryidow of Zare-
would bess him. The with
phath was surely not acting from interphath was surely not acting from inter-
ested motives when she shared her last
ersel morsel with a hungry stranger-although
he did promise that she should lose
nothing py nothing by her kinduess. Yet that
sublime act on self-sacrifice was the direct means of preserving her own and her means of preserving her own and her If she had not given the means of sub-
sistence away, she would soon have
starved to death. By being willing to starved to death. By being willing
lose her life she saved it, even in world. But God does not always make
such a return as inis. Indulgent such a return as theis. sons in sel-
mothers only educate their sity
fishness when they instantly reward them for every generous act. The children soon learn to expect it, fsel injured if no
notice is taken of their sacrifice, and entirely lose the true spirit and joy of giving. David was certainly right when God a gift which cost him nothing Children should be encouraged to give their own coppers in Sunday school or church, rather than receive them just
for that purpose. The son of an Irish cor that purpose. The son of an Irish
clergyman once asked his father for money for a miserable, ragged child who
was beging at the door was begging at the door. The father
explained that he could not do anything. explained that he could not do anything,
as he already had so many of his own people to help. ". However." he said.
". if you like to go without your own dinner and give it to the child, you
may.:" The boy adopted this plan, and
declates thet declares that it was the best lesson about charity that he ever had in his
life-it was a true civing of himself. The Holy Supprer is kept, indeed,
In whatso we share with another

Not what we give, but what we share Who gives himself, with his alms feeds three-
Himself, his hungering neighbor, and

And no one can tell how far a little act of self-sacrifice may reach, nor how many people it may inspire to do like-
wise.
For instance, a few weeks amo Wise. For instance, a few weeks ago a
young Jewish boy of 13 years old earned a quarter by scrubbing some floors for
us. Soon after his mother wns us. Soon after his mother was calling
on me, and she told me how Israel had hurried to a store with his money and
bought bread and milk; then he had called in his brothers and sisters to have had dreamed that his kindly deed would become known to many thousands of people, and would rouse them to do
something worth while, it would not have been a beautiful act at all. The
benuty of it lay in its quiet inconspicuouness. And we all have chancoss every-
day to offer to Corl some little eift that costs us something. and that the "orld

Sunday-school children, week after week
commonplace, simple trutlib-perseverin in spite of dullness and mean capacities is a more glorious occupation than th.
highest meditations or creations of genius highest meditations or crentions of genius
which edify or instruct only our own which edify or instruct only our own
solitary soul." Who can tell how far a light may shine? A writer says that one day she was on her way down town
when a pale little face looked from fourth-story window opposite, and child's pleading voice said: "Please don'
forget to light your fire to-night." forget to light your fire to-night." Ther.
was a sick child, in a bare little room. who was alone all day and got lonely as
the dark came on. Every night he the dark came on. Every night
watched for the light in the room op site, and when it failed to appear
found the darkness very drenry. apt to be so in life. Those who are en thusiastically trying to brighten one lit-
tle spot always send good cheer farther the spot always send a city missionary said once of a man who was very useful in ${ }_{\text {a }}^{\text {getting warmly into touch with people }}$ - He isn't much of a man if you measur
him some ways, but he's worth a hun him some ways, but he's worth a hun
dred dollars a year as kindling wood in a prayer-meeting." In this connection given below for her kindly encourage

Iear Hope,-After reading your lovel
riece on ." Shut-in with (God,", 1 felt con
strained strained to write to you as soon as
got strong enough to do so. It suited
me so much. and I felt such in spirit with you, and sympathy with you in your aftliction, having passed
through a severe illness just a while before. I truly felt myself "shut in with God." who was very near to me
all the time. He has said " When thou passeth through the waters 1 will b with you, and through the floods, they
shall not overllow thee," and "My God shall not overflow thee," and "My God
shall supply all your need," and He did in providing a skillful doctor and good nursing. 1 am sure, dear Hope, yo and I can praise His dear name to long time to write for the Quiet Hour. enjoy reading your pieces from time ords of counsel, of reproof, of encour I thank my God for giving you ability,
wisdorm and willingmess to keep on your way, and may you still have strength to His will unto the end, and then will hear the Master's "Well done, good enough recompense, and more, for all we done for Hiss through in this world and

LAMENT OF THE EX-FARMER To please my wife I done fa
$\qquad$
They'd grow up frowsy, rough and wild
While in the town a well-bred child
Would hev' some chance to marry
And now we're here shet up like sparrows
In a golden canary's cage,
When I'd much rather be a follerin' the
In a field perfumed with sage;
for their calvess
mother in the shafts;
to the dear old farm
Much to my wife's alarm.

The girls say the boys keep laffin
$\mathrm{An}^{\mathrm{n}}$. call us the hayseed Cause I won't hayseed gang, And take to their city twang;
I cud show them a heap of money Made by the same green seeds,
And it twasn't by playin' neither,
$\qquad$ Some welcome to their fill, - - they're
we nut I hate the tarnal hustle, and sounds
that are never still miss the crows acallin', and the rustling
$\qquad$
$\qquad$
 the edge. T Thacked one traded tacks, and
and trite with brash hand
(ound the work quickly and easily done. As soon as I have time 1 am going to
nake another one for shoes, and a logerer one tor white and cotton skirts. widacu
boxes answer admirably for seats, or lor placing at the fort of a
led and are really prety, as well ao

Marks on Blackboard.
ear Dame Durden

1524
The Young People's Department.

## LIFE

Give me a taste of life
Give me a taste of life !
Not the tang of a seasoned wine;
Not the drug of an unearned bread Not the drug of an unearned bread;
Not the grape of an untilled vine. Not the grape of an untilled
The life that is really life;
That comes from no fount a But the springs from the toil and strite
In the world of things as they are.

Give me the whole of life : The joy, the hope, and the pain,
The struggle whose end is strength The struggle whose end is strength
The loss that is infinite gain; Not the rust of a fruitless rest Give me the sun and the storm,

Give me the best of life
To live in the world with God,
Where the seed that is sown and die Where the seed that is sown and die Whirts a beauty and truth are one Where the right must have its way,
Where the storm clouds part for stars,
Where the storm clouds part for stars,
And the starlight neralds the day.
Give me the life of toil
The muscle and mind to dar
No luxury's lap for my head,
No idly won wealth to share
Whether by pick or plane
Whether by tongue or pe
Let me not live in vain;
Lee me do a man's work among men. pargion. B. Cleaves, in Youth's Com

A LItTLE DEED OF LOVE. Some years ago, in England, horses
were continually slipping in winter on the icy pavement of a steep hill, up which loaded wagons and carts were constantly
moving. Yet no one seemed to think of moving. Yet no one seemed to think of
any better remedy than to beat and curse the animals as they tugged and pulled and slipped on the hard earth, except a
poor old woman, who lived at the foot of the hill. It hurt her so, to see the of the hill. It hurt her so, the see che
poor horses slip and fall on the slippery pavement, that every morning, old and
feeble as she was, she climbed the hill feeble as she was, she climbed the hill
and emptied her ash-pan, and such ashes and emptied her ash-pan, and such ashes
as she could collect from her neighbors, on the smoothest part
At first the drivers
At first the drivers paid very little at-
tention to what she did, but after a littention to what she did, but after a lit-
Ule, they began to appreciate her kindness; to be ashamed of their own cruelty, and to listen to her requests, that they
would be more gentle with their beasts. would be more gentle with their beasts.
The town officials heard of the old lady's work, and soon set to work levelling the hill and relaying the pavement.
Prominent men came to know what the Prominent men came to know what the
old woman had done, and it suggested to them an organization for doing such work as the old lady had inaugurated. All this made the drivers so grateful
that they went among their employers and others with a subscription paper and raised a fund which bought the old lady a comfortable annuity for life. So one
poor old woman and ber ash-pan not poor old woman and her ash-pan not
only kept the poor overloaded horses
from falling, and stopped the blows and from falling, and stopped the blows and
curses of their drivers, but made every curses of their drivers, but made every proved and beautified the city itself, and
excited an epoch of good feeling and excited an epoch of good eeting and
kindness. the end of which no one can
tell Reading this little story reminds me of
something 1 heard not long ago. of the something beginnings of the Creche, or Day Nursery in East Toronto. A poor woman, whose husbapd was dead, has obliged to go oul
and work for her living by the day, and and work in a predicament as to what
she was in
she should do with her little children while she was out. A kind neighbo
offered to take care of them for a few cents to pay the cost of their meals during the day. By-and-bye other women
in the same difficulty came to this kind in the same difficulty came to this kind
woman, and she took in their children, woman, and she thile she had to hire a larger house to hold them all. and get
someone to help, her. Some rich ladies

THE FARMERS ADVOCATE

## setul institutions in the cily ossessor of a large house where hundreds of women leave their

 he small price of ten centery day, for honing to the Nursery, and women in want ot work can hear of it thero. The
nstitution also
collects
second-hand flothing, which the women may buy at small price, at. What is called a Rumnage Sale. And all this has come out
of the thoughtul kindness of one poor woman.

## LOOKING BACKWARD

an't you imagine in the days When Shakespeare wooed and wed,
The dames of Stratford when they The dames of Strattord when they met. And ere they went their separate ways, Such things as follow said:

$\qquad$ Why no, forsooth! who is he, praa
She; noins to throw herself She's going to throw herself away
on young will Shakespeare, so they Cnless all plays miscarry."
(hey say


Flemish Lace Maker
which may be seen in process of making each year


## Current Events.

An outhreak oi chotera in Ru-sia
The larget grain elevator in the
nother turbine steamer is to the built to ply between Toronto and Hamilton.

The new Lieut, Giovernor of on-
ario. Hon. J. M. Gilson, of Hamil ton. was sworn in last week.
The Chicago Great Western Railway will soon pass under the con-

The first regular train for the West on the National Transcontinental Railway Jeft Winnipeg on September 22nd
By the wreck of the Star of Bengal, on the Alaskan coast, within
the past fortnight. 110 lives were lost.

One hundred thousand idle steel workers returned to work on October
1st in the great iron and steel works in the United States.

Five thousand men were engaged
ight and dav in the Adirondacks aight and dav in the Adirondacks ast week fighting forest fires
oovered 50.000 geres of land. The Right Rev, James Carmichael,
ord Bishop of the Anglican Church in Montreal, died last week at his home in that city. He was the
author of several books, and a noted student of natural history.

Mr. Willian Lyon Mackenzic King's successor as Deputy Minister of Labor, a position which Mr. King
resigned to run as Liberal candidate or Waterloo, will be Mr. F. Acland, the present secretary of the Department.

A movement to apply the electoral principle to the House of Lords is cee chosen to study measures for the reform of that illustrious mend that the House be strengthened by the addition of representative Commoners eminent in various walks of public life, these to be elected for

A LOVER OF HORSES
Are you sure you're a lover of horses,
declare that you love a grod
but unless you've a heart for his pain
and his joy.
Cou are proud of his beauty of color and
Of his coat with its satiny gloss-
For affyction he shows does your
answer warm?
Or would gold compensate for his loss?
When her peeds, while the wind fans your
Cherks cool and fresh,

About the House
 hat cirst hotel in the world heated Rapids, Mich. Electrical apparatus for orming other useful offices have long been in service. Many trolley cars, too, hem, suitable devices for the purpose being secreted under the seats. But the
idea of supplying radiators, which would idea of supplying radiators, which would
take the place of steam radiators in a ouse or hotel, is a rather are said to
The radiators in the Eage are ve luminous that is, they give light as
well as heat. AIready twenty-seven
twiped with rooms for guests are equipped with
them. The other rooms in the hotel,
including the oflices, pariors. cafe and including the officos, pariors, caif and
barber shop, will be electrically heated
with the same type of radiator as soon as possible.
The electric heat will be controlled
from the office as well as in the roms, and it is predicted, after a careful test.
that the new source of heait will mean a considerable saving to the proprietor. With electric heat, only those rooms occupied need be heated, and he wis in-
from the luminous radiators is stantaneous. When a guest wants ac commodations, the clerr wasigns for the
room, and while the is waiting for room, and while he is waiting for the
elevator, at turn of the switch starts the
rediator, and the room is soon warmed. radiator, and the room io soon warmed. This economy of heat is the groatest
feature of the electric installation. The principal advantages of electric heat will be in the fall and spring, or on cold damp days during to keep a steam-heating not biant ruaning, and guests can keep their rooms at any desired tometan Ho polished copper refector at the back,
and with three or more lerge eylindrical incandescent heating bulbs. These bulbs differ from the ordinary incandes
cent lamps for lighting, beling deaigned to transform the electrical emergy into heat. accompanied by a conerrial
There is every benefit of an open Are with none of the dangers or drawbackic In many cases the radiators are
permanently in the Aroplace.-Ex.

## RULES FOR HEALTH.

Don't worry.
Don't hurry. Too swift arrives as Simplify! Simplify! Simplify! Be regular. Be systematio. "Order is heaven's first law.". Don't starve. ". Lot jour moderation be known to all men." your moderation
Sleep and rest abundantly. Sleep is "neture's sweet restorer."
Court the fresh air. day and night. Learn how to breathe. The "breath of life" is in the air.
Loeve a margin of nervous energy for Leave a margin of nervous energy for make. Be cheerful. "A light heart lives long."
Work like a man, but dom't be worked - $-\frac{1}{2}$ Avoid passion and excitement. A mo.
ment's anger may cause lifo-long misery "Seek peace and pursue it."
Think only healthful thoughts. "As Think only healthfut thoughts. "As
man thinketh in his heart so is ho." man thinketh in his heart ohers. Forget for the good in everybody and
Look for everything. You
habitually look for
habitually look for.
So live in body, soul and spirit that you will radiate health. Health is con tagious as well as disease. Don't carry the whole earth on your
shoulders, still less the universe. Trust the Eternal. Finally-le

## "Gope is in His world.

## GRACEFUL WITHDRAWAL

"Do you know who that old man is talking to our hosteses?." asked Mris.
Blunderer of the lady sitting beeide her. ".That." answered sitting mend coldly, "is my son."
"Oh,", gasped Mrs. Blunderer in conre, is he not?'-l.ippincolter than you
 Ailments and Diseases
OF THE SKIN.
Wemen appaity Of an stionsald hair trou bles. It is not
any longer necessary
to "outgrow" a pim-


SUPERFLUOUS HAIR



 HISCOTT DERMATOLOGICAL | Dept. F. INSTITUTE Estab. 1892 |
| :--- |
| GI Colliese St., |

$\qquad$
Consumption


THE FARMER'S ADVOCATE

|  | 't 'ee remember me? |  |
| :---: | :---: | :---: |
|  |  |  |
|  |  |  |
|  |  |  |
|  | his sweetheart, an' never will |  |
| Bill was only fifteen <br> At the time $o^{\prime}$ the War, an' as likely a <br> boy as ever this world has seen <br> An what with the news 0 battles lust. <br> che speeches an all the noise, <br> guess every farm in the neighborhood lost a part of its crop of boys. |  |  |
|  |  |  |
|  |  |  |
|  | $\begin{aligned} & \text { Ots nis } \\ & \text { God will } \\ & \text { ate ? } \end{aligned}$ | uliarly |
|  | It ? | an |
| every stalk in the fields o' rye Seemed to stand tiptoe to see him off en' wave him a fond good-bye His sweetheart was here with some other girls-the saucy little miss An' pretending she wanted to whisper inhis ear, she geve him a rousing kiss. | gonach of $h$ danwer of avery kind. only take care of his body, takes care of his mind |  |
|  | Longevity and work |  |
| an brave an smart, <br> $n^{*}$ tho he was bigger than $I$ was, the boy had a woman's heart <br> I couldn't control my feelings, but I tried with all my might, <br> $n^{\circ}$ his mother an me stood a-crying till Bill was out o' sight. |  |  |
|  |  |  |
|  | St hartily, actively, |  |
|  | work of life, physical or mental. vided one does not put more cont strain on one's resources of str | JERSEY CATILE |
| That God would take care o' him, may <br> be, if he didn't forget to pray; when <br> An' on the bloodiest battle-fields, <br> An' Bill was a-fighting dosperit, he used <br> to whisper a prayer. | than they can bear without pro Work, enjoyed as it should be, pro |  |
|  | health of body, and, especially it |  |
|  | lated by other ful and placid frame of mind which | 7, ’08 |
|  | The inhabitants of almost | $\frac{\text { ENT }}{\text { TRN }}$ |
| Bill never flinched a bit <br> When every second a gap in the ranks <br> An' one where a ball had hit. <br> An one night when the field was covered <br> They found my boy mongst the martyrs <br> They found my boy'mongst the <br> of the cause he was fighting for. | (tiot whenumber of hale and hearty |  |
|  | genar-living among them as an evid of their healthy environment and |  |
|  | gienic lives, whill every rich cit |  |
|  | ate people going to unhonored graves through idleness and ind and the perverted and unhealthy | This Cylinder shows why the |
| His fingers were clutched in the dew <br> But he lay sort of helpless an' crazy <br> with a rifle-ball in his head <br> An' if Bill had really died that night I'd give all I've got worth giving: <br> ye see the bullet had killed his mind an' left his body living. |  | $1 r e k$ |
|  | muscular system are able prodigious amount of energy | Cutter |
|  | suffering any permanent de provided the strain is not k |  |
|  | such a time that the centers | ed |
|  | and woch energy they can expend |  |
| An officer wrote an' thin us how the boy had been hurt in the fight |  |  |
| But he said that the doctors reckoned that they could bring him around all right. <br> An' then we heard from a neighbor, dis- | out causing hermut they should end | . |
|  | ways to remain well within the |  |
|  |  |  |
|  |  | form of the cylinder |
| We was that anxious to see him we'd sit up and talk at nights dimmed the sthre nn' put out the northern lights: We writed and watched for a month or | Do not tell your troubles this year, be- | dorue w |
|  |  |  |
|  | things that hor you. You will then spared the influence of the unfortu |  |
| more, an" the summer was nearly past. <br> When a letter came one day that said <br> for home at last | suggestions which your hard-luck ake upon other people's minds 'Then, again, every time you rep |  |
|  | tory of your misifortunes, your troubles, your trials, your failures, you etch the |  |
| I'll never formet the day Bill came-'twas hervest-time again- | dark picture a little deeper in your mind; make a little more real to |  |
| An' the air blown over the yellow fields was sweet with the scent of the grain: | what you ought to erase forever., |  |
|  | cannot be what cannot help us, what |  |
| The dooryard was full o' the neighbors who had come to strite our joy <br> An' all of us sent up a mighty cheer al the sight of that soldier boy | oniy hinder, should be forgotten, discarded once for all. Many people hang on to their old |  |
|  | troubles; they cling to their old sor- |  |
| An' all of a sudden somebody said: .. Alas: don't the boy know his mother? | their past sufferings, until they become terrible drag. a clog, a fearful handica o their progress. | Imported Clydesdale Mar BESS ORR (I2700), VOI. 29, p. 517.8. |
| An' Rill stood a-whispering fearful like an' staring from one to another:Don't be afraid. Bill." said he to him self, as he stood in his coat of blue, Why, Cod'll take care of you, Bill God'll take care of you. | The only thing to do with a bad | y: 4 vears old : |
|  | with a sad experience, is to let wipe it out, get rid of it forever |  |
|  | , |  |
|  |  |  |
| He seemed to be loading an' firin' a gun, and to act like a man who hears |  | french-canadian horses |
| Then | hours and thinking | sale catle of both se |
|  | les. |  |
|  | which is contrull) : roted never hea |  |
|  |  |  |

complain of the housework"Black Knight" does awaywith the everlastingrubbing and polishing. Itshines quickly and thehottest fire can't dull itsbright, fresh polish.Always ready for use forStoves, Grates and otherIronwork.

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for full size can if you cant
get "Black Knight" in your
iown
the f. f. dalley co. luited. вimation, ont.
.ors.ikis ixr $\$ 65$
gucuive gilson ENOLINE
sexta GILSON MFG. CO. 150 York St.. Guelph. Ont.


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 than you would in months at such places. Write tor particulares, Address:
SANDERS DRESS CUITING SCHOOL. 31 Erie St, Stratiord, Ontario, Canada
 place, and as soon as it had reached the
parroen parrots corner the two gaudily-atirired
macaws thought, and made for the side of the
coage, poling
thelr
beaks and claws through. When the catnip was brough
near them, they became noarly
trantic. They were given some, and devourod it.
stem, loaf and blossom, with an avidity stem,
commenurate with the noiso of their
voices. voicas.
The The keoper and the catilip-carrier then
mado for the cafe of Billy, the Atrican maoe fror thefore the tront of his calse
leopard. was reached he had bounded from the
shell whereon ho lay, apparently astoop. and stood expectant. A double handful of catrip was passed through to the floor of the den. Never was the prey of
this African diweller in his wild state pounced upon more rapidly or with more absolute savage enjoyment. First Billy lay fat on his back and wriggled through the green mass until his blackspoted yellow hide was anlled with the
odor. Then Billy sat on bunch ot the
ond catrip. caught a leat-laden stom up in
either, paw and rubbed his cheoks, chin, either paw and rubbed his cheeks, chin,
nose, eyes and head. He ate an addinose, eyes and head.
tional mouthful or two, and then jumped
lack to his shelf, where he lay, the very back to his shelf, where he lay, the very
picture of contentment. in the tiger's cage there is a *very young, but full-grown animal. When
this great, surly beast inhaled the first sniff of the catnip, he began to mow like
a kitten.
Prior to this, the softest note of his voice had been one which
put the roar of the big-maned South American lion to shame. That vicious tiger and his kindly dispositioned mato Cirly revelled in the liberal allowance of
the plant which was thrust into her cage. They rolled about in it. and
played together like six-weeks-old kit-
tens tens. They mewed and purred, tossed
it about. ate of it, and after getilis about. ate of it, and after getting grace," replied the piper, "I did, but I

1528
THE THIRTEEN SUPERSTITION. Hatthew Araold's Challenge
People who smile with a superior a
at the notion that thriteen is an lucky number will haie to revise thei incredulous attitude, for science-A Ame
ican science, it is true-says they a ican science, it is true-says they are
wrong, and that what they sconnfully
call "superstition" is based on fact. call "superstition" is based on fact. sity of Indiana, delivered an addres
recently in which he told them that thirteen is the age at which 85 per cent. of boys begin to learn evil, the age
from which the ruin of men dates. He from which the ruin of men dates.
based his assertion upon a critical examination of 2,000 men, asking them when they frrst contracted such pett
vices as smoking cigarettes? And vices as smoking cigarettes? And of
these 2,000, 85 per cent. answered him with the fatal word, "Thirteen !"
da vincis great picture. Statistics compiled by actuaries are
paid to show that of any thirteen perons assembled accidentally, or without any selection, one shoulords, taking the population of the world as a basis for calculation, one in every thirtoen persons of course, according to age, climate and
sona sanitary, conditions, so that the "super tition" of thirteen might not apply if vere considered. This, I think, goes a long way to explode the superstition, though the fact is quoted in its support.
The origin-of this superstition is lost in the chaos of prehistoric days. The commonly held belief is that it originated
from the Last supper, at which Christ of His betrayal and crucifixion. The popular conception of this scene is due
largels to Leonardo da Vinci's wonderful picture on the wall of the refectory the Dominican Convent of Santa Marie delle Grazie, in Milan, which has been that there is scarcely a gallery in the world in which a copy of it does not hang. But this idea is erroneous, for
the superstition was ancient long the Last Supper was eaten. The super-
stition the probably equally ancient. is also ex pressed in this picture, wherein Da Vinc spilling the salt.

$$
\begin{aligned}
& \text { IN THE FAR EAST. } \\
& \text { In the Norse myathology there }
\end{aligned}
$$

$$
\begin{aligned}
& \text { In the Norse myathology there is a } \\
& \text { story that the twelve major gods were } \\
& \text { seated at supper when Loki, the god of }
\end{aligned}
$$ seated at supper when Loki, the god of and made the thirteenth at table. He shot him with a mistletoe arrow. But

we must go even further back in time than the Norse mythology, for in the Far Fast, in the myths of the ancient Hindoos, it is related that it is unluck been no possible connection between the myths of these so far separated regions, and we may even have to go back the Garden of Eden, as we have to do
for the superstition that Friday is an unlucky day on which to undertake any enterprise or begin any journey. Chris-
tians have always imagined that this be lief was to be referred to the fact that Christ was crucified on a Friday, but
long before the time of Christ had it that Adam and Enrist tradition bidden fruit, and were driven from paradise on a Friday

IN MODERN HOTELS
The survival of the thirteen superstichurch tried once to extirpate it. In the
chapel of the Tridinium Pauperum, adjoining the Church of St. Gregory, on the Coelian Hill, in Rome, is a marble table with an inscription recounting that Pope Gregory the Great was in the
habit of entertaining twelve poor men at breakfast every morning, and that one occasion Christ appeared an
shared their meal, making thirteen table, and that, therefore, henceforth thirteen was a lucky number. If this had any effect, that effect has quite passed
away in the minds of the superstitious. In modern days there are many striking instances of the prevalence of the super stition. There are many hotels which ermany it is said that more than 500
all new streets. In Berne, Paris,
alt
other European cities, thirteen as a other European cities, thirteen as
number has nearly always been number has nearly always been changed
to 11a or 11t. Bismarck had the thirteen superstition in its most virulent
orm. Last year when the French Cabcorm. Last year when the feffial an-
inet was reorganizpd the offer
nouncenent was deferred a day, solely nounceenent was deferred a day, sotely
it is said, to avoid announcing it on the thirtcenth day of the month. When this
was told to the Pope, his holiness smiled and remarked: "Evidently being a fres thinker does not exclude superstition. The Turks have almost expunged the word "thirteenth". from their vocabulary; the Italians never use it in making
up their lotteries; in Paris and other European cities there are men known as "quatorzienes," well recognized in so
ciety. whose business it is to be ready ciety, whose business it is to be ready
to go to any house to dinner in order to go to any house to dinner in order
to make up fourteen at tatbe. The fol lowing anecdote is related in the biography of Sir John Millais, the famous
artist. He gave a dinner in honor of
Hole Masthew Arnold, in August, 1885, and one of the guests called attention to the fact that there were thirteen at the
table, and expressed some fear. Mathew Arnold laughed at such superstition and said: ". The idea is that whoever leaves the table frst will die whe a year; so cheat the fates for once, I and these fine strong lads (indicating Edgar Dawson I think our united constitutions will be able to withstand the assault of the reaper." Six months later, Matthew
Arnotd, in the prime of lite, denly of heart disease. A few days later $\underset{\text { revolver at his side. Edgar in bed, a }}{ }$ third of the trio, sailed from Australie on February 18th, 1886 , on the steamer
Quetta, which foundered, New Guinea. and not of the coast of saved. WAGNER'S PET NHUBER
 thirteen letters in his name; he composed thirteen operas; "Tannhauser" was
finished on March 13th; he left Bayreuth on September 13th, and died on Febru-
ary 13th. The pontificate of Leo XIII ary 13 th. The pontificate of Leo XIII.
was one of the grandest and longest in the history of the Church. Alfonso XIIII, though the Philippines and the West
Indies were lost to Spain early in his Indies were lost to Spain early in his
reign, has escaped assassins, is happily reig, was escaped assassins, is happily
married, and the father of a fine, healthy
son, and hids fair to have son, and bids fair to have a great and
prosperous reign.-IT. P.'s Weekly. prosperous reign.-|T. P.'s Weekly.

## BRAW LADDIES.

A short while ago there was started a
movement to have the kilts of a certain ments discarded in favor of ordinary woulds. It was objected that the men and the colonel gave orders that a census of the regiment be taken, in order
to ascertain the wishes of the men themselves. The colonel is a descendant of a long line of Scotch lairds, and strives The sergeant who took the census of
the regiment finally appeared with his report. three, are in favor of the change he said. Indeed!" the colonel said. "T Tell me the names of these three true clansThe sergeant read from his list.
. They are, sir." he said. "" Patrick
'V Voolan, Hans Steinbrenner and Moses
Ikenstein." One afternoon Mrs. Murphy appeared a the settlement house, all dressed up in
her best bonnet and shawl. A hug black and blue spot disfigured one side
of her face, however, and one eye wa: nearly
what is
teacher
might hav
hastily tu
cheer up,
:. Sure an
dipnant


STRONG AND SAFE
uf yeat antly knew the advantages of our withouth them. We have had more experience wiath Slamxdiomst than anyone else in canada samisffacternyt in wirrection on the market. Ou standthivens prowide more freedom thamework in a stable Sammen som tertermination. Ask for our offer. METAL SHINGLE \& SIDING CO.
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## 1

## STANCHION



WOTOBER 1. 190 IHE HAKMER'S ADVOCATE


 ". :hall I stop 'em ?"' Captain
leetcher called back to him cheerfully,
"er c'n ye jump on while the train's - by sarah mclean greene. movin ?
"I won't hoard the train again,
thank you. 1 need exercise," re-
plied Doctor Margate dryly, as he rose. "I'll walk back home.
". Hold on,", yelled the captain, himself descending and shouting an
belaboring a halt on his oxen; " want a word with ye 'fore ye go.
Ye're a man o' straight good sense, an' I respec' ye. I've been hove off
myself, by a stump lesser size $\mathrm{n}^{\prime}$ . I haven't been in training, you see," replied the doctor, with no
trace of vexation in his manner or his tone.
a No, ye ain't had the 'dvantages a man like you ought ter had," said
Belcher, standing regally thoughtful, Belcher, standing regally thoughtrul,
the veteran of many scars, of well-
sustained shipwreck, and of a hide seemingly impregnable at last to all
save added windburn. 'Ye'd rate save added an' Jim ef ye'd had harf
along o' me ane tated, and in spite of the dictates of
sound reason and cominon sense sound reason anscionable boasting,
against such unconsed him, and was the doctor admired him, and was
more than half inclined to take him at his own estimation.
" The question is," said Belcher, at last, withdrawing his gaze from a at rofund contemplation of the dis-
pant Bay of Fundy, ", be you a-goin' ter keep yer mouth shet ? see fito
" Not in the least, if I open it,", replied Doctor Margate. er, approvingly, "but be ye goin' ter
see fit ter keep it shet-that's the see fit ter keep it shet-that's the
question., Come now, as the gospil question., Come now, as fis out ter-
says, an' figer this
gether says, an Do you want ter tell Rob
gether.
Hilton-ter-morrer, f'r instance--that Hilton-ter-morrer, indin' of him here? the's 's nothin bot no notion 't thar' 's any chance for him along o' Ma'y Sting'ree, no more 'n I have of ailye natin the in the Moon.'
Old Man in
 "I An' I doubt ef M'ay Sting'ree
has took the idee inter her head one has took the idee inter her head one
bit yit, either. No sir-it's me ' t bit yit, either. this match.' "Not you and Jim?" a bile. He
"Jim's sore-sore as a . Jim's sore-sore as a bile. He
wusships the groun' Ma'y treads on. But he ain't f'r her. Jim's got many a wil' sea yit ter sail afore he dies. Ef Jim goes ter homin, it
ought ter be with some mid-ocean ought ter be with some Jim thinks
bird $\mathrm{o}^{\prime}$ his own breed. he'd like ter get civerlized and live
ashore, but he wouldn't-them ol' ashore, but he wouldn call him, an'
whitecaps out thar' 'ud call whitecaps out thar
he'd ruffle his feathers an' stretch
his neck, an' off he'd go. Hohum, his neck, an' ofi he'd go. Won't go
it's tough on Jim; but he won't under; ye necun t am more concerned "l won't. I ann more concer to
about the match you propose tiss stingaree and make between Miss Stingaree and
Rob Hilton." Rob Hilton. $\quad$ Whar' thar' 's a
"Easy, easy
woman in the calkerlation, the 's no knowin' when ye may look out an'
find ver weather-vane 's clean blowed find yer wean. Easy now. But you let Rob bide an' keep on workin' $\mathbf{f}^{\prime} \mathbf{r}$ a while.
he couldn't git Cuby
he tried.
An no box, now I promise ye, ef that'll do. I promise ye.
"An' you'll keep yer mouth shet
about any little frolick anybody about any little frolick anybody
mou't ' $a^{\prime}$ played I ain't sayin who You'll lay low tell the storm's over an' the flyin' jil's run up, an' all's's
well some way 'r another, won't ye well some wav 'r another, wo."
That's what I want ter know." "Why. yes, under the circum
stances. and considering that you stances, and considering that you
promise to make it all clear as day promise to make it all clear as light at thay ausply say I will leav that for the present on But th

## Gombault's Caustic Balsam

 lias inititors Bit lio Compolitios.



 The Lawrenco-Willilams ConTorsanto, Ont.

11 $\frac{13 x}{\text { and }}$
 Ranor Taurpant fandic










## 3



(3) HACKNEY MARES FOR BALE
O. Eorloy, Guolph, Ont.


 Dr. Bell's vaterinary manoin wowar


 Oaly a tomét trov tome C.T. R. deopt



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hos. Davidson, assistant editor Chambers' Encyclopædia. Replete with information for every user of the English language. Cloth bound, and copiously illustrated. Over 1,200 pages.
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terest yout Also the quarter-mile track for showing and
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. Affliated with the University of Tobonto, under the control of the Department of Agriculture of Ontario
Colloge opens sarly in October, 1908. Course of study extends through trine college years.
CATALOGUE ON APPLICATION PEES, son PER SESSION.
E. A. A. GRANGE, V. So, M. S.en Principal

Imported I have still on hand 1 stallion, black, rising 4 yrs. by Crarthusian,
Clydesdales by Danure Castle; 4 filles, a Toronto frst and second prizewinn


0ak Park Stock Farm Co., Lttl




We got ter keep both eyes shet whist
we squint with one and wink with
wis.

goin' ter stay long enough ter come
'round an' git acquainted with my
folks, Doctor."
"But at least I congratulate my-
self, Captain Belcher, on having be-
self, Captain Belcher, on having be
come acquainted with you. we'll find
" Wal, 1 won't deny that ye
me thirty-six inches ter the yard
with plenty over ter 'low f'r shrink
age, ev'ry time. Come 'n see us
ag'in. Do. Sorry our wass in this
worl' did n' lie par'lel, Doctor," con
cluded Captain Belcher, with a splen
did, dismissing, commiserating wave
of the hand. (To be continued.
QUESTIONS AND ANSWERS.
Miscellaneous.
ECZEMA
Driving mare has a skin disease.
the shourders with great itching, which
lumps appear, with great itching, which
causes her to rub and bite herself. Also
rubs her mane and root of her tail
Mare otherwise feels well and eats well.
Mare otherwise feels well and eats well
A. C. W. W.
Ans.-It is eczema. Purge her
drams aloes and 2 drams ginger
low up with one ounce Fowler's solutio
of arsenic night and morning for (ww
weeks; then cease a week and repeat
weecssary. Give her body a good veish
ing with strong, warm soft-sonp suds;
rub with cloths until dry. Then crrss
res.
wice daily with corrosive sublimate,
grains to a quart of water, taking cat
to get the dressing on to the skin.
JUDGING LEGHORNS AND PLY
MOUTH ROCKS
Please give me the particular points on
judging a Leghorn hen and cockerel; also
judging Buff Rocks.
Ans.-Your correspondent will find
nearly all points, etc., fully described in
the American Standard of Perfection.
This book is copyrighted and may not be
quoted. In a general way I might say
that White Leghorns require to be snow-
that White Leghorns require to be snow-
white in color, or as near it as one can
white in color, or as near it as one can
get. A great deal in judging Leghorns
get. A great deal in auding Leghorns
depends upon the shape or form. This
is very difficult to describe. but can be
is very difficult to describe, but can be
easily seen in the cuts in the Standard.
easily seen in the cuts in the Standard.
The ear-lobe should be pure white, combs
of the single-comb varieties should be
straight on the male and turned or
straight on the marieties and thoulded or or
lopped on the female. There should be
lopped on the female. There should be
five serrations in each comb, but addi-
five serrations in each comb, but addi-
tional serrations are not so serious a
defect as most people are inclined to be
dieve; that is, shape and color are more
lion
lieve; that is, shape and color are more
important than one or two extra serra-
tions on the comb. It is desirable also
that the tail should not be carried above
right angles. Legs und beak, of course,
should be yellow in color. The general
should be yellow in color. The general
appearance of a Leghorn is neat and at-
appearance of a Leghorn is neat and at-
tractive. They are sprightly and ac-
tive.
In judging Plymouth Rocks-the Buff
In judging Plymouth Rocks-the Buff
variety, of course-the shape is to be
variety, of course-the shape is to
taken into consideration : that is, you
want true Plymouth Rock shape, and in
want true Plymouth Rock shape., and in
color you want golden-buff, absolutely
color you want golden-buff, absolutely
free from white or black, if you can get
it
it. It is not often you can get a Buff
bird that is neither white nor black in
the plumage. The butr color that is de-
sirable is between a lemon color and a
cinnamon. what is termed "golden-bulf."
cinnamon. what is termed "golden-buff."
In Buff Rocks the comb is much smaller
than in the I.eghorns. The legs are yel-
low and free of feathers. The legs are yel-
RINGBONE on cotimam.
bound to do all the outside painting a
bones. Would you advise me to have in vain; so he engaged painters and or
them fired or blistered, and what would dered them to waint the whole front of
be hest to usie, and how? A. S. F.
the house red, white and blue in stripes
When it was finished the neighborhoo
rose up it was tinished the neighborhoo
frantic.
rose up in arms. and the landlord was
frantic. The tenant politely explained
that there was nothing in the leasseabout
day until the scale comes off, then tie
up and bister again.
monthister once
monthy as long as necessary, or until it
may be concluded to call upon the vet
$\underset{\text { erinarian }}{\text { may be }}$
MARE HAS SORE NECK
Mare has very sore neck on top, and
is very teasy when being harnessed.
Please tell me what to do to heal it.
lease
R. A. $\mathbf{Y}$.
Ans.-In \& leading American exchange
last winter we noticed that several team-
last winter we noticed that several team-
sters recominended a deer-skin pad, sewed
sters recommended a deer-skin pad, sewed
to the flap at the top of the collar, this
to the flap at the top of the collar, this
to insure its staying in place. Ore cor-
respondent claimed that aside from the the
cushion effect, it contained a healing oil.
Some horsemen like the zinc pad, while
others find it of little or no use. Of
course, it goes without saying, that the
course, it goos without saying, that the
collar should be carefully fitted to the
collar, should be carefully fitted to the
horse's neck, and kept soft and clean.
horss's neck, and kept sort and clean.
Buckle the collar tight enough at the
top that it will not work back and
Buckie the collar tight enough at the
top that it will not work back and
forth across the neck, but not so tight
orth across the neck, but not so tight
as to pinch the neck. There should be
as to pinch the neck. There should be
room at the bottom to pass the hand
room at the bottom to pass the hand
between the collar and horse's neck. Ad-
between the collar and horse's neck. Ad-
just the hames snugly, and do not have
the draft too low on the collar. For the
treatment of sores some recommend vase-
line, some a mixture of turpentine and
Tine, some a mixture of turpentine and
lard, while others object to anything
lard, while others object to anything
greasy, because of its tendency to collect
the dust. One horseman recommends
the dust. One horseman recommends
first keping sores clean with warm
water and castile soap, then dusting
boracic acid on the sores twice a day
with a pepper box, or using one ounce
with a pepper box, or using one ounce
each, sulphate of zinc and sugar of lead,
each, sulphate of zinc and sugar of lead,
in a pint of water. Others use blue
in a pint of water. Others use blue-
stonie for the same purpose. We shall
stone for the same purpose. We shall
be pleased to hear from readers who
have had experience in preventing and
have had experience in preventing and
curing injuries to horses' necks and
shoulders.

## GOSSIP

Four-year-old Harry was spending the
day with his aunt. Dinner was late
day with his aunt. Dinner was late, and
the child began to grow restless "Auntie," hegan said, fo grow rally, "doestless. God
know everything ?" "yes know everything ?" "Yes, dear," an-
swered his aunt swered his aunt. "Every little thing?",
he persisted. "Yes, every little thing was the reply. "Well, then," he said, in a tone of conviction, "Cod knows I'm Henty _-
Henry Clews, the banker and author
was talkin was talking at the Union Club in New
York about a certain financier. "No wonder the man is so successful," said Mr. Clews. "He is the most suspicious fellow I ever heard of. In fact, he re minds me of a Staffordshire farmer my
father used to tell of. This farmer whenever he bought a of lock This farmer. amined each sheep closely to make sure that it had no cotton in it.

In our report of the Canadian National
Exhibition, the wrong Mr. Gibson way
mentioned as judge of Hackneys and cer-
tain other classes of horses. In writing,
the particulars as to name and address were casually noted from the official catalogue, which erroneously gave the
name of Mr. Richard Gibson git ware, Ont. It was, insteson, his of Delat W. H. Gibson, of Reaconsfield, Que., who
has previously has previously acted in this capacity
Toronto with excellent satisfaction
outhitted the landlord.
When recently leasing a house in
fashionable suburb of Philadelphia, the
lessee failed to examine closely the terms Tessee failed to examine closely the terms
of the lease. After a time. his landlord
called and reminded hime that he was called and reminded him that he was



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Very reasonable. Good milking strains. | C. P. R. atation. D. BROWN, AYR, ONT. |
| :--- |
| The following conversation is said to | have taken place in a Boston elevator:

Old Lady-Don't you ever feel sick goOld Lady-Don't you ever feel sick go
ing up and down in this elevator all ing up and down in
day ?
Elevator Boy-Yes'm.
Elevator Boy-Yes'm.
Old Lady-Is it the motion of the go ing down?
Elevator Boy-No'm.
Old Lady-The motion of gwing up? Elevator Boy-No'm.
Id Lady-What is it, then

## The Difference! <br> $I^{\mathrm{N} \text { Monseguenere of the the trat sucesen of }}$ mot  <br>  Thanwe is hat dor mear fuad ard  heath-grioinR. suorw They are simply foo and oher ingreient. unique properties. <br> There Is No Comparison between Molassine Mcal and oth foods. Particulars and prics from ANDREW WATSN.

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QUESTIONS AND ANSWERS.


TRADE TOPIC.
an faficacious fly destroyer. -Many dairymen in Canada have had exfrom fies by spraying them with Dr. Williams' Fly and Insect Destroyer, manu-
factured by the F. Williams Co., of Morfactured by the F. Williams Co., of Mor-
risburg, Ont., and Madrid, N. Y. This preparation kills not only fies, but all other insects, protecting horses as well
as cattle. It is also recommended as a as cattle. It is also recommended as a
disinfectant for stables and chickendisinectant Through the courtesy of Wm.
houses.
Stewart \& Son, of Menie, Ont., the well-
 have been acting as local agents for thi
preparation, "The Farmer's Advocate preparation, The Farmer seronocate Exhi-
was supplied this year at Toronto
bition with a quantity of it for spraying sion with a quantity of it for sprayin
stock brought out to be photographed for halftone purposes. It proved thor-
oughly efficacious, and appeared not only
$\qquad$

GOSSIP
NORMOUS HOG.
$\qquad$
$\qquad$
$\qquad$



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Matuousnenea, Heartburn, Headache, Dyypepsin, Water
Brash, Catarrh of the Stomsoh, Coated Brash, Catarrh of the Stomaoh, Coated
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12 Cbmilto Powlers.
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closed For $\$ 3$ you get drugs that would coe
 now
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Pleasant Valley Herd Exaty

GBO. AMOs \& SON, Moffat Statton and P.O. TWO IMP. BULLS of ezcellent remolity, One 7 montho old, sired by imp. Joy of Moraive
 $\frac{\text { Erin Station, c. P.R.' }}{\text { TOR GALE: FOUN Fit for service Dairy }}$

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 Waldemer sta..C.P.
 them are
National.
KYLE bros.
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IOTAS
 R. Mitchell \& Sons, Nelson P. O., Ont Burlington Jct. Sta
When Writing, Mention This Paper

Dipersion Sale or Scotch－bred


Shorthorns

At my farm， 2 miles from Bel－ grave，G．T．R．，I will sell by auction my entire herd of Scotch horns，consisting of II bulls and 22 females，including my stock bull，Scotland＇s Challenge，imp． The cows are good milkers，from good milking stains，and have calves at foot．The whole will be sold without reserve，as I have sold my farm and am retiring from farming．Catalogues will be sent on application．Terms of sale ： 6 months＇credit on ap－ per annum off for cash．Con－ veyances will leave the Exchange Hotel，Wingham，on the arrival of noon trains for the farm ；also Hill＇s Hotel，Belgrave，and
Wed．，Oct．7．${ }^{\text {Mason＇s Hotel，Blyth．}}$（Corlev，Belgrave，Ont．

The Salem StockFarm｜1854 MAPLE LODGE 1908 | SHORTHORNS | One handsome roan SHORTHORN BULL for |
| :--- | :--- |
| sale，and several choice heifers． |  | Wite for any information．

A．WATT，ELORA，ONT LEICESTERS of the best kinds berered from cham
pion prizewinners．Several in good show fit．
．W．Smith，Maple Lodge，Ont
ULLS： 4 choice yearlings，IMPORTED； 8 yearlings and a number of choice calves of
our own breeding．FEM ALES：A number of cows and heifers forward in calf，includ－
ing showyard material．Tempting pies g showyard material．Tempting prices． W．G．PETTIT \＆SONS，FREEMAN，ONT． Shorthorns


## Shorthorns！

BELMAR PARC
Nonparcil And and show bu
Nonpareil Archer，Imp．Proud Gith，Imp． Marigold Sailor．Nonpareil Eclipse． John Douglas，Peter White， Females，imported and from imported stock，in
to these bulls unsurpassed lot of yearling heifers． Manager．Pembroke，Ont

A．Edward Meyer， P．O．Box 378，Guelph，Ontario Breeds scotch smorthorns Exclusively



## Valley home shorthorns

 AND BERKSHIRES Not S．J．Pearson，Son \＆．Co．，Meado wvale，Ont． Stations：： $\begin{gathered}\text { Meadowvale，C．P．R．，and } \\ \text { Brampton，G．T．R．}\end{gathered}$


Shorthorn Home－bred Bulls
䢒
SHORTHORNS｜maple home shorthorns One impord bull God Moring（i，p）
 C．R．Scott Bros．．Mighsate，Ont．


Our preem ont men
and Scotch－topped ．SCHMID Elmira，Ont．

Scotch Shorthorn Bulls
$\qquad$

QUESTIONS AND ANSWER Miscellaneous

DRAINAGE PROCEDURE
$\qquad$ at a man open a natural watercourse
hrough his farm，at his own expense without first obtaining the decision of an 2．When a ratepayer requests council o call an engineer to settle a dispute
concerning $a$ watercourse which runs concerning a watercourse which ans
across the road，who pays his expenses， the one who requests to have him called the council，or all persons concerned，ac－
cording to benefit received by having cording to benefit received by having 3．Can a matter of this kind be set led legally by arbitration，when all con－ erned agree to have it settled that way 4．If so，can we compel a set inter by arbitration，when one pettle that way？ Manitowaning，Ont．J．R．W．P 2．The expenses are paid as the engi－ neer directs，and he is supposed to ap－ neer directs，anem amg the different parties
portion them among
interested according to the benefit to interested，according to the benefit to
be derived by each by having the water－
$\qquad$ 3．The Ditches and Watercourses Act
does not mention arbitration，but sec－ does not mention arbitration，ant
tions 8 and 9 provide for an agreement among all the parties interested，ap－ portioning the work and supplying material among the several owners
ording to their respective interests cording to their respective interests
the ditch，such an agreement being en forcible（section 9）in like manner as the award of an engineer，when all the steps outlined in sections 8 and 9 are com－
plied with．While these sections do not mention arbitration specifically，I think that an agreement to accept arbitration
would fulfil the spirit of these sections， would fulfil the spirit of these sections，
and the arbitrator＇s award be legally binding when all the conditions were complied with．WM．H．DAY，
4．No． JUDGING AGE OF HORSES LANDLORD AND TENANT
1．Will you kindly inform me how
$\qquad$
$\qquad$ 2．I have some land I have rented for about five yeath owner give me when he
notice must the on wants me to leave or quit？
3．If I seed down said land，does the landlord pay me for suich seed if I leave
$\qquad$ 5．If I have another piece of land that
leape for five years，and if I seed out leare for five years，and if I seed out
in the last year of my lease will the in the last year of my
landlord have to pay me for the said seeding？live on toll road and township road as well．The toll road cuts its
weeds：the township doesn＇t．Can I make weds；the township doesn＇t．Can I make
the township cut the weeds on its road
（even if my farm is not close to it）？ 7．If I drive through a toll－gate and
pasy at the next toll－gate，can the first toll－keeper summons me for not paying
him？ 8．If I live，say，two，three or four
miles from the toll－gate，can I drive near the toll－gate，then turn and go back
home without paying ？
9 dan the toll on the roat（or follows me up）collect
the mileage I have driven or intend driv－ ing？If a person lives alongside the toll－road，can he enclose 10 or 15 feet
for a garden，or other purpose，from the
said toll－road，which is 66 ft ．across， with post and netting？
11．If there are cattle（including a
$\qquad$
$\qquad$
$\qquad$
$\qquad$
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$\qquad$
$\qquad$
ing with the current year of the tenan 3．Yes，assuming that the tenancy 4．There is no legally fixed rate． aw would allow reasonable compen 5．No．
f．No．effectively．
8．Not legally．
9． He is probably entitled to do sc
10．No．No．Yes they are not per－
11．Yes，provided the
nitted so to run at large by municipal by－law．Yes．

LINE FENCING．
1．A and $\mathbf{B}$ have farms adjoining． Wishes to build his part of the line fence with wire．On which side of posts 2．If A builds his line fence new，and the old post holes remain on B＇s side， who should fill those holes？
Ontario
Ontario．
Ans．-1 ．On his owri side．
2．B，if he desires them filled；that is o say，we do not see that he is in a AILING TURKEY．
My turkeys are full－grown ；they get
very thin ；heads become a light gray． around their eyes black or dark；droop their wings；eat well，and very fond of water．I put them in a pen away from They had a diarrhea of yellow．I gave them stuff for the diarrhea，but did no good．Ans．－Although A POULTRY GIRL used here in speaking of the nurkeys and symptoms，I gather that there has only been one sick bird．From the fact that a few days． 1 should say the disease was cholera．The other symptoms might in－
dicate the so－called black－hes I have never known that they alte wough the last stages of black－head，nor at any stage in cholera．A Aurkey sick from
any cause will lose the red color any cause will lose the red color of head
and let the wings droop．If there was only one sick bird，and it did not run
for any length of time with the flock for any length of time with the flock
after becoming ill，I would say that chances were good for the balance to
keep healthy．If any more become
aflicted in the sat afficted in the same way，kill and bury would say，market the rest as soon as would say，market the rest as soon as chances for next year．W．J．BELL． ORNAMENTAL CLIMBERS． Will you kindly tell me the scientiac to get that kind，and I know there are
several others．Is there a clematis with a loaf like the enclosed，but that flowers much earlier？Would Hall＇s Japan honeysuckle grow on the north side of a
house？My house faces the north there is very little sun．Is the Chinese
wistaria（Sinensis） wistaria（Sinensis）hardy and pretty，or
is the magnifica a better climber to put on a north－ast corner？D．L． tion is Clematis paniculata，one of the very best of the late small－－Gowering
varieties variecties．I know of no other variety
having foliage similar to this．The one most nearly like it is the Clematis
vitalba，sometimes called the＂Travel－
ler＇s Joy，＂or＂Old Man＇s Beard，＂the ler s ay，or＂Old Man＇s Beard，＂the
latter name given it because of the long
feathery gtyles which feathery gtyles which succeed the flowers．
Possibly it gets its name＇Traveller＇s Joy＂from the great beauty it lends to
the landscape where it is found growing
wild climbing through trees． wild climbing through trees．Both of
these varieties are well worthy of culti－
vation．Hall＇s Japan honeysuckle will
do well upon the north side of a build－
ing．I think the finest specimen I ever
s． wistaria is not hardy hed．The Chinese seen good not hardy here，but I have Toronto．It is a strong grower，and
very beautiful when in flower． very beautiful when in flower．The vari－
ety known as magnifica is of another
species，being a variety of Wistaria speciosa．There are both purple and
white forms of the Chinese wistaria，and both are well vorthy of a trial，and I I
think they would succeed with you in Toronto．They do best upon a southern
expoosure，although with good care you mposure，although with good care you
may he successful with them even upon
a northeastern exposure
a northeastern exposure．them even upon
O．L．HUTT
october 1, 1908
THE FARMER'S ADVOCATE
GOSSIP
hog cholera, and

$$
\begin{gathered}
\text { Reports } \\
\text { indicom various parts } \\
\text { the great prevalece }
\end{gathered}
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\begin{aligned}
& \text { tive to the prevention } \\
& \text { trobable Causes of }
\end{aligned}
$$

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\begin{aligned}
& \text { Probable Causes of Prevalence at this } \\
& \text { Time-Hundreds of farms in Kansas have } \\
& \text { become infected with this disease during }
\end{aligned}
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\begin{aligned}
& \text { become last few months } \\
& \text { the }
\end{aligned}
$$

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| s |

## Dairy-bred Shorthorins By Auction

ON TUESDAY, OCTOBER 20th, 1908 ,
At his farm, 2 miles south of Whitechurch station (G. T. R.), and 5 miles west on of strictly Dalry-bred Shorthorn Cattle. This offering is one of the best dualpurpose maker. Terms : 3 months on bankable paper, or $6 \%$ per annum off for cash. Con JoHN Punvis.

David Clow, Whitechurch, Ont.

$x$
$-x-4$
 Farmers and Cattlemen, Read This!



 ments, Catce are
attendatis for the ocean voyage. I represent the most retiable salesmen at al mied
markets.

## Brampton Jerseys

Select your stock bull or family cow from Canada's mos
B. H.Bull\&Son, Brampton, Can.
DON JERSEYS

## 

 seres as the heifers. The best lot of young things we
ieve had for sale. Duncan Station, CN. R.
ent .
w willis \& Sons, Pine Ridge Farn
resey cattle

|  |  |  |
| :---: | :---: | :---: |
|  |  |  |




THE COLDEN LAD BULL THE GOLDEN LAD BULL.
Golden Fox of Dentonia. First-priezearling
and junior
 cows proves this crea
Correspondence inter
T. POPTBR T. PORTRR, Wearton Road.

 JAMES BENUNG, WIIllamsto

Burnsidets Champion Ayrshires




R. R. NESS, Howick, Que

Wardend $\begin{aligned} & \text { Present offering: } 1 \text { two-year-old, } \\ & \text { 2yearling buls. and chooce tot of } \\ & \text { Ayrshires } \\ & \text { spring calves from good mikers. }\end{aligned}$
SPRINGBROOK AYRSHIRES


$$
\begin{aligned}
& \text { F. W. TAYLOR. Wellman's Corners. } \\
& \text { Hoard's Sta., G.T. R. Telephone in house. }
\end{aligned}
$$



HOWGLEN AYRSHIRES! AYRSHIRES $\begin{aligned} & \text { Bull and beiter calven from pro } \\ & \text { ducing dame. Right good onef }\end{aligned}$
 ALLAN P. BLUE.


| Centre and Hillview Holsteins 15 head to select frimo 35 in itis <br> man. histo official badingeneud <br>  <br> dams oner 20. 13s. From bese <br> Young buls and a few heiferat | Now we sill CHEAPE next year, be Why not write to us RIGHI in buils fro AWAY for a BARGAII dams? Or better yet, call <br> E. \& F. MALLORY, FRANKFORD, ONTARIO |
| :---: | :---: |
| MAPLE GLEN HOLSTEINS <br> For Sale: Service bull, brother to Gurduin dairy test champion, 1902 ; theee buill callues dairy test champion, 1902 ; thee will calkes 4 -year-old. a Top Notcher from 2 -yearold. Come and inspect the lim. G. A. GILROY, Glien Bued Ont | Maple Hill Holstein-Friesians <br> Special offerings, $T$ wo bull calves leven <br>  <br> G. W.CLEMONS, St. George, Ont |

Only Bull Calves FOR SALE, hOLSTEINS and AYRSHIRES, GEO. RICE, ANNANDALE STOCK FARM, TILLSONBURG, ONTARIO.


I CAN FURNISH JUST NOW a Large number of extra good Shropshire and Cotswold Rams

Shropshires, Cotswolds Oxford Down Sheep


JOHN MILLER, BROUGHANL ONT. And ram lambsell \& \& Sonat A Arkell, Ontario
SOUTHDOWNS
AND COLLIES!
Imported wining colicie at staid

Che Cor



Shropshire Rams Yortion Rement


SUBSCRIBE FOR "the farmer's advocate and home magazine.
QUESTIONS AND ANSWERS
Veterinary.
Veterinary.

## wound

## Sheep had an abscess on her shoulder.

 H. B.
heal.
Ans.-Wash the wound twice daily with Ans.- wash, and after washing, dress
warm water,
the external surface, and flush the cavity with a 5 per cen
acid until healed.
PERIODIC SEVERE LAMENESS PERIODIC SEVERE LAMNN
Three years ago my broncho was sup-
OcThree years aglo have slipped on the road. Oc-
posion to
casionally there is slight swelling and tenderness in tendons above fetlock. She
seems all right in limbs and shoulders, seems all right in limbs and shourders,
but shows sudden lameness in fore legs
fom time to time. sometimes in one leg from time to time, sometimes in one leg
and sometimes in the other. She goes all right most of the time, but will un-
expectedly show the lameness when on
the road, fairly losing the use of the the road, fairly lossing the use of tie
one foot, and her head will go down with
sufficient force to break the check rein.
 Ans.- made over three years ago is re-
sponsible for the condition you descibe.
This This is especially indicated by the fact
that she is as liable to go wrong on
Ine opinion that there is no lesion, but that the mare simply stumbles and then may
go lame for a few steps. A horse does
not not go sufficiently lame to break check
reins, but a stumbling horse frequently does so. The leg whose tendons occa
sionally swell, should be blistered, and sionally swell, should be blistered, and
after the scale caused by the blister has
come off the leg should be showered with cold water and a cold water bandage applied and left on for three or four hours
very evening after she has been driven.

## Miscellaneous.

PUMPING by tread power. We intend pumping water by tread 30 feet of shafting. What size pulley ould be right to put on shafting to
ive proper speed for pumping? Diameter \& pulley on tread power, $5 \downarrow$ feet; stroke
SUBSCRIBER. of pump, 5 inches. SUBSCRIBER. you should have given the diameter of the wheel with which the floor of the
tread power engages. By measurement, I have found this wheel on a
power to be 18 inches in diameter.
$\qquad$
$\qquad$
$\qquad$
$\qquad$ 18 inches, the same as the one measured,
then with a pulley on the shaft 6 ft . 10 in . in diameter you would get a stroke of the
pump every second, which would possibly pump every second, which would possibly
be a moderate rate, and the power re-
俍 raction of one horse-power. A pulley
wice as large, that is 13 feet 8 inches
$\qquad$
$\qquad$
JOINT WORM.

Find enclosed sample of wheat with
gegs deposited therein.
Kindly diagnose
$\qquad$Ans.-The objects in the whentir.
Ans.-The objects in the wheat joints
which you send are not eggs as you sur-
wise, but the larve of the joint worm
Ans.-The objects in the wheat joints
which you send are not eggs as you sur-
wise, but the larve of the joint worm R. M. HOLTBY'S CLYDESDALES.
Mr. R. M. Holthy, of Manchester, Ont.is just now offering a few grand good
imported Clydesdale mares and fillies per-smported Clydesdale mares and fillies per
sonally selected by Mr. Holtby for thei
high-class claracterhigh-lass character and quality, and
right roval breeding, all in foal to theright roval breeding, all in foal to th
champion. Imp. Acme, by Baron's Pridechampion. Imp. Acme, by Baron's Pride
also several filly and horse colts. Some
were imported in dam, others Canadian-0
brood of these insects each year, and
the larve pass the winter in the stral for the most part so near to the grou
that a large proportion of them are that a large proporthon of
the stubble left on the fields, they can largely reduced in numbers by burnin,
over the stubble or by plowing it down deeply. Where seeding down has been
dune, deep plowing with wheat will b. impossible, and this will mean the gil ing up of that practice with wheat for
time. Seeding down will have to b not attacked by this species of joint
worm. The broken-off hard pieces of straw which becomee separated in thres ing and cleaning should be gathered to
gether and burned. Sometimes no apparent galls are formed, merely sligh swellings with a hard, thickened condi
tion of the straw, representing the tion of the straw, representing the galli. many are carried off with the grain Straw from an infested crop should be got out of the way, either by feedi
burning before the ensuing spring. A regular short rotation of crops, while A regular short rotation of crops, whine preventing them from increasing, will
also do much to reduce the numbers of the joint worms. All recorded recurrences of joint worms in Canada have been of FUMIGATING FOR PEA WEEVIL. Could you kindly tell me, through the there is any way to kill the pea bug when peas are in the bin J. A. M. Ans.-Fumigating in ar-tight buns with
carbon-bisulphide is effective, but as the vapor is very inflammable the work should be done at a distance from barns and other buildings, and no light of any
kind must be brought near, nor may smoking be allowed near the building where the bisulphide of carbon is beipg used. For the treatment of small quan-
ities of seed by farmers an ondinary coal-oil barrel is rrcommended by Dr. Fletcher. This will hold about five bushels, and may be trented with three ounces of bisulphide of carbon, which may be
poured right on to the peas. poured right on to the peas.
should be closed tightly with a cap. made specially for the purpose, or with fine sacks dampened and laid smoothly
on top, weighted boards being laid over on top, weighted boards in
them. The bisulphide of carbon should be of the best quality, which will exposure should be for 48 hours. Peas after harvest, but they may be treated at any time when the temperature is treated they should be promptly bagged, and the bags kept tied until seeding.

GOSSIP
An eight-year-old cross-bred cow of the ately, yielded the extraordinary amount
of 77 lbs. 12 ozs. of milk ( 7 a gallons and 3 lbs .9 q ozs. of butter in a twenty our hours' test. This is a standard

Attention is directed to the advertise ment in another collumn of the auction
sale of Mr. David Clow. Whitechurch $P$. offering his en-
horthorns. For tire herd of dairy-bred Shorthorns. For and particulars a note of the date, as this
and make
offering is of a kind of cattle that is all

> twelve eggs inside its tissues. These eggs watch into very stall, slender, footess
rubs, of a pale yellow color, which whenwere imported in dam, others Canadian-
bred, with imported sire and dam. Thisis an extra choice offering, and Mr
Holtby will sell well within their worth
$\qquad$
$\qquad$
n length. As the young grubs grow bred, with imported sire and dam. This
they cause a distortion of the stems a is an extra choice offering, and Mr
 Port Perry branch of the Grand Trunk
oCTOBER 1. 1909
For Diarrhoea, Dysentery, Stomach Cramps, Colic, Summer Complaint, Chol: era Morbus, Cholera In. fantum, and all Looseness of the Bowels
There is no Medicine Like


It hae beon a housphold remedy for 63 yoars You con a ways roly on it in timo Do not allow in unprimipoled dragein Do palm off s oheop subatitate on yous. The genaine "Dr. Fowler's" in mane-
feotured by The $T$. Milbern Ca, Limitod, Tactared by

THE ORLI CURE FOR DIARRHGEA.
"I have ueed Dr. Buriketon, Ont, Fowlor: Ext. of writes:- - Ifor diamrraw, and a bottor romedy to bo found, as I have a large family and all aubjoot to it. It
would not be withoot it in the house as it Fould not bo without 'the only thing' that will eare then

## Hampshire Down

 Sheep.SPLENDID MUTTON GOOD WOOL, GREAT WEIGHT
This highly valuable
ENGLISH BREED OF SHEEP is univalled in its rapid and
WONDERFULLY EARLY MATURITY, all climates, and in quality of MUTTON AND LARGE PROPORTION OF LEAN MEAT IS UNSURPASS
Full information of
Secretary, Hampshire Down Sheep Breeders' Assoclation
SALISBURY,
ENGLAND.
Leicesters $\begin{gathered}\text { Twoshear ram, } 2 \text { sheartingss.ram } \\ \text { lambs. ewe lambs and shearling }\end{gathered}$
 tion guaranted. Prices
Bros., Clantrassil, Ont.

A WORLD'S RECORD. At Nashville, Tenn.. Sept. 16th, Ben Whitehead drove the two-year-old trotter,
AI Stanley, a mile, against time, in A1 Stanley, a mile, against time, in
2.19. This is said to be a new world' record for a
half-mile track.




Belmont Shropshires !
THE CHAMPION FLOCK OF CANADA. Just arrived at the farm: We believe, the best selection
of Shropshires ever imported from Britain. If you want fock headers, show rams, field and show ewoes and lambs at moderate prices, visit the Belmont Farm
We import Welsh cobs and Shelland ponies. J. G. Hanmer \&. C. Hodsson. Props. Belmont Stock Farm, Böx 92, Brantford,

Maple VIIIa For sale: Sunset. imp.
Maple VIIIa
Oxford Downs Oxford Downs grand, good sire: 15 shear and Yorkstires ing ewes it shisearting rams


HAMPSHIRE DOWN SHEEP Yearling rams and yearling ewes. All bred
from imp sire and dams. Price reasonable. E. MORGAN. MILLIKEN, ONTARIO Bell Phone. P. O. and Stn. (G. T. R.)
 JOMN DRYDEM \& SON, Brookllitu. Ont.

## Linden Oxfords! |IIDIS Hiving sold our farm, our fock of Oxfords will be sold wwith

 R.J.HINE, DUTTON,ONT. Sprivgank O Ford Down Sheep


 E. T. CARTEE \& CO., TOROLITO WOOL

## MONKLAND YORKSHIRES <br> are the easily-fod alilaick-maturing kind. The sort the farmers want. JAMES WILSON \& SONS FERGUS, ONTARIO.

 sunnymount berrshires |orkveunn Yorkshires


DAVID BARR, JR., Box 3, Renfrew, Ont

whlowdalf berksumue mero-Don't for


Maple Leaf Berkshires Nom Rem JOSHUA LAWRENCE, OXFORD CENTRE, ONT.
Duroc-Jersey Swine 2 2nd Leicester shoepp
CHESTER WHITE SWINE
Duroc-Jersey
ewes 3 shearting rams, and this 2 yone anis cotwo of rear
end AND SHROPSHIRE SHEEP.

 OMIO impRovED CMESTER WMuTES-LarE
 TV. E. WRIGHT, GLANWORTH, ONTARIO. Express charges prepaid Podigrees and safe de- dian-bred boar due tored farrow, about fot ioctoler.

##  the Fused Joint idea in "Hecla" Furnaces

No dust can escape through "Hecla" Fused Joints. They are absolutely tight and will remain so. That is what makes the "Hecla" the safest and most sanitary furnace to buy. It supplies only pure and fresh warm air, without a trace of gas or dust.
The "Hecla" is economical in the consumption of fuel. The Steel Ribbed (Patented) Fire Pots, which have twice as much radiating surface as any other style of fire pot, draw a great deal of heat from the fire that in other furnaces would be sent out of the chimney.

Our catalogue tells more about these and other
exclusive features of "Hecla" construction.
Clare Bros. \& Co. Limiled, Preston, Ont

## Broken-down Men

Take This Belt for What it is Worth, Wear it Until You Are Cured, Then Pay Me.

 shattered. who find life burdensomen, it
can urure wou weitecticits, as it
have cured thousands of others. have cured thousands of others.
can make the biond circuate in your
veine the nerves tingle with vigorous veins, the ner ese tingle with vilorouss
life, and the spirit of energy show it-

DR. McLAUGHLIN'S ELECTRIC BELT

Mly twenty-ix years of study are shown in this grand applian the bedy ear it with comfort at night, and the ELECTRICITY infused in the borm,
cures all Nervous, Kidney and Blader Troubles, Varicocele, Rheumatism,
Real

You Rum No Risk in Using My Belt. I Take All Chances.
o you doubt it? It so any man or woman who will give mer reason-

```
tor their case, and they can wolemesa Ouremelo.
```

Mr. McLaughlin:-
Dear Sir,- am very pleased to say that 1 have derived great benefit
 an not troubled at all with my back now, and shal certainhy recommat liberty

to make whar ing the Bett, and
ner in forwarding
I remain. Yours thankfully.
Fees to bor, describing

howing how it is applied
If you can't call, Till send this
book. preppia, free
close this coupon.
促
ance
a.m. to 6 p.m. Wednesday an
adpres.

## A students' judging compereition will ind held in connection with the chird annual National Dairy Show at Chicafo, Iteecelu- ber 2 to 10 , inclusive. Any student of ber ato aricultural college may enter. Six an and instituitions have alroady expressed a do institutions have alread the contest. sire to send teams to the <br> T. S. Cartwright. the extensive and highly successtuw feeder at Marshalltown, Ia.. shipped to Chicago, on Sept. . 280 head of hogs that averaged around 302 1bs. and for which Clay, Robinson \& Co secured $\$ 7.37$. These swine wero  mixed barrows and and prime condition. The lot neted him at chent Cincago $85,954.35$, a mute testimony of what can be done where the raising and and  plan. back to April, 1903, to find a to go bunch of heavy to when so large a bion time when so large a bunch of swine sold so high in Chicago.

 tised in this paper for the treatment ofsuch blemishes on the legs of horses as sprained tendons, windgalls, bog spavins,
capod olbow, big leg, enlarged glands, capped ellow, big leg, eniarged gitans,
otco, has gained a very wide roputation otc.. has gained a verr wion these and other
for its efficiency in curing thes complaints without leaving scars. No blister, no laying up. and no thar wo
moved, while effectually doing the work moved, While eferctuality, the blemishes
of removing by radiation, the - of remoming disfire and redure te usefulnoss and selling value of horses, arie among
the claims made tor this specific. the claims made for this specice. Write
quire of your druggist for it or write
the Canation Agent. Thos. Reid, 9 Nichthe Canacian Agent, Thas.
olas stroet. Montreal, Que.

An old graat-herd fell asleep, and one of his animals pulled out the content of
his knapack, and among other things

 go the offices of the Cerman Imperial
tank, where he put before the ofifials a Bank, where he put wefore raped up in
strange. pulpy masss
leather strange, pand asked them to examine it
leather,
tor the purpose of establishing the fact teor the purpose of establishing the fact
that it contained the remnants of a $\& 50$ that It was the interior of the unhappy goat, which had had to pay for
haps
is to its fordnoss for dainties swith its lite-
The officials semt the deposit to an ex-
and pert
given his verdict that the goat-herd's story was true, the old man was paid.


As announced last week. Mr. R. Cor ley, of Belgrave, ont.". Will on weches-
day, oct. Th, at his farm., $2 t$ miles from Belgrave Station, sell his entire herd of
33 head of Shorthorn catte, including 33 head of Shorthorn cattue. including
his stock bull, Imp. Scotland's Challenge his stock bull Imp. Scotand s. Chalienge
$=50036=$, calved November. 1902 , sired by Daybreak, a son of the Missie tull,
Sootch Thistle, dam Boyne Lady (imp.),
 red and titue white, on the shorlest kind
of legs. and is an ideal dairy type, bull that should be eagerly sought by
owners of dairy-bred Shorthorns. All the young things in the herd up to tiw
years of are are sired by him. Sears that have been at the head of the
bell
herd were: Roan Duke $35 \mathrm{~h}=18+65=$. Dy Duke of Hillsdale, dam Roan Duchess
52ndi Baron Knightey 9 th $=142 \bar{T}=$, b, Imp. Ingram's Chiet, dam Knightley $\begin{array}{lll}\text { Grand Duchess } & \text { 13th, Strathallan Victo } \\ =27582=\text {, by } & \text { Lord } & \text { villoughty, dan }\end{array}$




 of cows, carrsing grand. big. even
udtiers. and certainly are very, heanv
oulkers, the madt



## hiltes holsteras

Almost within a stone's throw of H .
on post otlice. four miles north
orighton Station, is Hilton Brighton Station, is Hilton stock farn
he property of Mr. R. O. Morrow Son, the well-known breeders of Holstein cattle and Tamworth swine. Mr. Morow never has had any of his Holsteins hcialy tested, but in other hands they have showed up remarkably well. They
are never pushed, and on common feed are never pushed, and on common feel
ive from 50 to 60 lbs a day, and two-ear-old heifers 40 lbs a day. They are
big. well-developed lot, and eagerly picked up by buyers, who know a good
ype when they see it. Nearly all the younger things are by the present stock
yill, Sir Mutual's Butter Boy 2nd, whose dam has a 7 -day butter record of 19 bs. as a four-year-old, and sire's dam has a record of 24 pounds. For sale
are six yearling heifers and several ounger ones, an exceptionally choice lot, Irom which may be expected great things. Mr. Morrow places great confidence in his
hend of Tamworths, which is one of the best in Canada. About a dozen sows are now in breeding, a lot that in weight
runs from 600 to 900 pounds, and put runs from 600 to 900 pounds, and put
up in strict conformity to the ideal up in strict conformity to the ideal
bacon type, among which are two imported last year, one of them imported
Cholderton May, winning the female Cholderton May, winning the female
championship at Toronto this fall in the championship at Toronto this fall in the
strongest class ever shown there. Out of her for sale are three sows and four boars, five months old, sired by Diamond
King, a $1,000-1 \mathrm{~b}$. son of Imp. British King, a $1,000-\mathrm{lb}$. son of Imp . British
King, and winner of first prize at ToKing.
ronto last year, and second prize this
rear year Here is a lot of fresh brood for
Tamworth breeders that should not be Tamworth breeders that should not be
long in Mr. Morrow's stables. Second long in Mr. Morrow's stables. Second
to Diamond King in service is the splen-
did type of boar, Imp. Cholderton Golden Star, imported last year, and proving a
phenomenal sire. For sale are both phenomenal sire. For sale are both
sexes and all ages, pairs not akin.
TRADE TOPICS,
The attention of sportsmen, and farm-
ers generally, is directed to the adver-
tisement in this paper of the New Model,
No. 24 Marlin rapeating shotgun. The
shooting season is approaching, and the
importance of being well-equipped for the
sport is patent to all. The Marlin re-
peater is noted for strength and sim-
plicity of construction, and the facilities
for quick shooting. Se the advertise-
ment and send for descriptive catalogue
to the address of The Marlin Firearms
Co., 183 Mechanic street, New Haven,
Conecticut.
"does quality count with you?" An old proverb says, "the secret
of success is constancy of purpose." the ruth of which is completely demonstrat-
ed in the case of the Frost \& Wood Company, of Smitt's Fallls, Canada. The success of this company has been one of
the must notable in the Dominion, and They ascribe it to their constant adher-
ence to "quality." During the seventy years they have been manufacturing farmm
machinery, this firm has never lost sight machinery, this firm has never lost sight
of "Quality."
From the smallest bolt of "Quality." From the smallest bolt
to the varnish and paint, the material used in the construction of their machines has always ben the best procur-
able for the purpose. Nothing that able for the purpose. Nothing that
would improve their plant has ever been would improve their plant has ever been
considered too expensive to instal. The wost skilful workmen have been em-
ployed. And every machine has been thoroughly tested before leaving the fac-
tory. Such a rigid ity" has brought its reward in the conFroce the farmers of Canada repose
Frost Wood products. From the At ing, haying and cultivating machinery is used, you will hear Frost \& Wood maThe man who buys a Frost \& Wood
binder he is a firm believer in "Quality"-and
knows how to invest his money wisely. "Does Quality count with you?" The dous, and are Company believe that it "It this publication to tell you about the
"Quality". of their products. The firm
and ne int feting, and all farmers should

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[^0]:    SUBSCRIBE FOR "the FARmER'S advocate and home magazine.

