## PUBLISHED EVERY WEEK. \$ $\ddagger .50$ PER YEA?



Vol. XLV.
LONDON, ONTARIO, APRIL 14, 1910.
No. 91


|  | certain to chip off, and with <br> roes Galvanizing | cause no other Fence-maker can get the ne essary machine. We are the only people who can | $\underbrace{\text { Not Mere " Excuses " }}_{\text {The Frost is }} \text { " }$ |
| :---: | :---: | :---: | :---: |
| W.ill send you a tree booklet | The Frost Fence is double Gal anized-not mere.y "coate 1. |  | which will proferly "Give" when contracted, and "Take |
|  | But it will not pel cause Frost Galvaniz part of the Wire itseli | Strongest Part | Most Fences are provided with rves, Kinks or Tensions, as |
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| years sooner than they should | near a Galvaniziug F | din | But because those "excuses kink the Wire, it is wertened |
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The Dain Vertical Lift feature is controlled mechanically - not by sheer human strength, when raising the cutter bar over stumps or stones; or in turning corners. A pull at the hand lever or a push on the foot lever, and the cutter escapes all obstructions. In raising the cutter bar to an upright position, for transportation, the operation is made an easy and rapid one by using the hand lever and the foot lever together. This automatic control is at the driver's right. It is worked while in the sea/. The draft ol the Dain Vertical Lift Mower io reduced to the mallest posible rasistance because the weeight of the cutling apparatus is arried strone coil spring heeps the cutter ber down to ito wort, and the cutting
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# The Farmer's Ndvocate 

"Persevere and Succeed.

## and Home Nragazine

EDITORIAL.

The farmer, who has been under the harrow, is now in a position to ride in a from seat on

$\qquad$ The annual slaughter of the innocents-thour ntario dairy districts. Small wonder that cattle
$\qquad$ Mr. Borden I taking the tit in his mouth must
$\qquad$ fiscal year which ended March 31 st is over a hun-
dred million dollars (erily
the day of hig dred million dollars. Verily, the day of big
things is come upon us. With four good live agricultural colleges, Canana should be able to send at least a second
tudents' juiging team to the International. Sucess to P'rof. I'eters' propo From the consumer's viewpoint, the scaling down of duties on a number of articles, chiefly
luxuries or semi-luxuries will not be unacceptable under the new tariff arrangement between Canada and the United states.

Whether it is better for dairymen to raise their down the country, and the commissions of auctioneers and drovers, is a question in economics
$\qquad$ athering supplies of dairy cows for western onario factory sections from Eastern counties, states that the farmers there are now getung
wisc., and do not hand out bovine bargains any

Fraud in fruit-packing must be put down Sharply in the interest of consunuery and honest roovers. Tampering with grade-marks anter they
have passed the inspector, is the limit, and should ". punished with the full penalty of the law. In a well-timed editorial urging Western Onand develop the splendid agricultural resources at hand, the London Advertiser pithily remarks that hoss who now go away have ted ene cow, and Ilberta's earnest quest is for a Western out let for her grain crop. Already a large propor acy facilities at the lacinc coast. It has been
recently stated that, during the previous ten nonths, 200 ,ore bushels of wheat had been shipperd Wame and fortune await the level-headed young morthorn breeder who, with the courage of dual-
anvictions. will start in right now to breed duan urpose, pedigreed cattle, selecting with his est
 15. Let him cut loose from iads, ignore ash and breed cattle-zenulp witits ston

IONDON ONTARIO APRII, 14,1910

Curpents in New Brunswick Agriculture.
$\qquad$ The Saw Brunswick report of agriculture for 1909 was, first, a large shrinkage in live stock of all lasses, except swine of horses, since 1901, some Cheese factory cattle, 2,800, and sheep, 39,000 1908, and butter a shrinkage. In startling se quence, it is also recorded that St. John City alone sent to points outside the Province, fo pork and pork products. $\$ 511,0$ oco: poulter: \$6,000) : eggs. \$28,000; horses, \$40,000 ; cattle and beef, over $\$ 100,000$ - a total of over $\$ 729,00$ buying direct from the outside. Underproduction like a universal epidemic, seems to have toucher of people to work on the farms, and their dis inclination to the continuous care of live stock coupled with the unsatisfactory methods of drovers and other buyers, still there should surely be a paying future in developing the agricultural and Fruit-growing has with good results; and potato-growing has become a large business, last year's crop being an increase of over 50 bushels per acre above the average for the past twelve years. A new mar for potatoes of such high quality as New Brunswich produces. In fact, some people who quit dairying to try potato culture are beginning to realize that they made a mistake so this report tells us, when the natural dairy conditions are so favcrable. For the promotion of horse-breeding, three Thoroughbred stallions and seventeen mares from Kentucky were imported under Governmen arection, and sold, and three other Thoroughbred ince from the National Bureau of Breeding greater importation was that of 64 Clydesdal mares from Scotland, all but six of which re Standish, V. S., upon careful examination, pro nounced them a promising lot, and their distribu tion through the Province, it is anticipated, bave a wholesome effect in so far as they go. cieties are progressing, 22 new ones being organ ized and incorporated during the last two years Under the heading, " Improvement of Seed," is reference to the seed-selection competitions in itiated by Dr. Jas. W. Robertson, and a reterenc to the Seed Branch of the Department of Agricul ture at Ottawa, and the Canadian Seed-growers
Arsociation, " two organizations which, backed by growing public opinion, are working a wonder ful reformation, not only in the seed trade of the age farmer is giving to the selection of good seed. The report is to be commended in that it dis closes a continued eflort occupations by means
work with rural life and oct nature study and the use of those subjects in teaching which have some useful application it the future lives on the farm of the young people One of the dairy superintendents, Novembe Nougall. worked out a new tenture in schools of King's County, giving popular lectures on dairy
$\qquad$
wick Department of Agriculture wisely encourage the attendance of students from the Province a agricultural colleges (chiefly Truro), and the num ber of those going has steadly increased, from 1 in 1906 , to 34 with the beginning of 1910. Happily, the idea is becoming well rooted in the minds of the people, as was well expressed by His Excelency Earl Grey, at the Maritime Win , lion, coun fier," and that the great problem of modern statesmanship is to make country life more profitable, attractive and eniovable, so that the unfortunate exodus of people from the country to the cowns may be stayed. This, he pointed out, was o becomplished in two ways, by education, in farming
The New Era in Nova Scotia. Even to the casual observer it must be apparont that the glow of a new era has more than ea-girt Nova Scotia. Regencrative forces in its arming are at work. The Province has always had faith in education, and on the honor-roll ol dren. This foundation makes the progress of agriculture all the more secure. There is, happily, now less looking to distant fields. Conffdence in the splendid resources right at hand doelons enthusiasm upon which rewards attend. There is little doubt, as is the case with the other Eastern Provinces of Canada, that the swing of progress in approaching years will be still more marked, by reason of its own momentum. The n knowled tue of enoroughgoing with delusive short-cuts , wealth manuring and livestock husbandry are cumulative in their effects, like money drawing compound interest in a savings bank. It is recorded in the annual report of the Secretary for Agriculture, Prof. M. Cumming, head of the Agricultural College at Truro, that newcomers, in the person of scottish and English farmers or a desirable cype, are settling in the Province, and in the fuor shen resuls an dusitrics and Immigration. While, on the outade Prof ('umming's report has the usual staid perance of Government publications, there are all the evidences of vitality and growth within. Some excellent photogravures illustrate its contents. Last year was a good one for Nova cotia farming-better than 1908-and Part 1. deals with outstanding features, such as the 79 , of Agricultural societies from 167 to 179, coupled with the fact that these organia Nons are now devoting practically the best clasa of improved live stock. Reviews are given of the darious departments of the Agricultural College. ot counting Farmers' Cluls, 226 public meetings the interests of agriculture were held in the rovince, with an attendance of 11,061 . Never in the history of Provincial agriculture has there been such a demand for meetings, and the services of good local men as speakers are most apprectated. Fxhibitions, general and special, were most successrul, zend proved a poweriul incentive ome up agricutural interests. Ration in the province particularly valuable for demonstration vurposes. The oldest of therm have been out purposes. The oldest of them have been out wht or nine years, and are giving good returns.
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THE -ARMER'S ADVOCATE inces and scotia," well worth reading in other Provely literary, scientific and other knowledge which
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and Home Magazine.

he leading acricultural journal in the dominion.
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sent for exhilvition last year to leading Provincial
shows in England and scotland, to promote trade. The fruit crop was large, but the fruit was somewhat softer than usual, and prices too
low. Vigilant measures are being enforced to keep, in check the brown-tailed moth, about 10,800 nests being destroyed in the past three years.
This is most commendath. when it is remembered This is most commendathe, "how if is remembered aded Massachusetts, it hecame so destructive a million dollars to fifht it. The sear was parmals and products heing whe high. (ireat improvement is lwing hatie in daty stuck, and the nomenal. Is an example of what can be done including Jerseys, a arages noarly 1 w, min pounds f milk per year. Standing ticld-crop competi ing results in stimulating the growing of better grain. The dominion lepartment of igriculture
 clapsed since the Esticitural colloese was or - hent invi to ter
 Curnal
 whementor


 suts-agriculture" ond


## Nova Scotia," " nces and States

 ondensed form, is given an admirable resume, in Societies and Associations, by the Superintendent, F. L. Fuller. The outstanding feature of the present vear's work in Nova Scotia will be the development of the drainage policy adopted, traction ditcher having been ordered, with which drainage will be done for farmers by the Depan ment of Agriculture, at actuat cost, and pay ment of expenses, as in Ontario; experts wikSome Educational Topics of the Hour.
"Children's power as to what they can take in the child is injured by endeavoring to drive the subject in limit," so said Dr Balliet.

Towards i. bureaucracy rather than democ racy," was Principal Burt's description of On tario's educational drift

Better," said Principal Lyman C. Smith break every commandment in the decalog than de part one jot or tittle from the regulations. Absolutely, the sole object of inspection appears th

These are samples of hot sparks from the re ports of the big convention of teachers which met in Toronto recently.

The Ontarlo Educational Association has jus Aosed the largest convention in its history of more of separate sections, but these unite in groups for the discussion of subjects of commo interest. Three general meetings wereiheld to histen to addresses by President Ward, and Dr. Balliet, Dean of the Teachers Training College of The latter, in an address on "Fads and Frills in Education," surprised those who have not been by declarine that rudiner writing spelthen subly jects dectaring that roading. "riting. spelling-sub the "fads and frills" : that is to say, the novel ies, while nature study, manual training, draw ing, cooking, sewins, are the ossentiak To this " Bosh :" hut. were they to follow his arcument throughout. they micht have dilliculty in refint ing
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$\qquad$ public attention was most strongly attracted y the fierce onslaught on the new Ontario readers and spelling-book. The attack on the primer occupied so much time that the other books almost escaped. Its subject-matter, arrangemen and lack of phonic sequence, were rowder. The
 posed only by another to leave it optional. The determination to get relief from it was evinced by the fact that lady teachers from all over the Province, by a standing vote, defeated a mas past the dinner hour. The chief faults found with the new spelling-book are that it heavily and unnecessarily burdens the children to learn sold eed to dificut it teaches the archaic and noed o use, and that it teaches words, such and fayour,", ", "corms of ," many ," etc. A resoluion declaring its unsuitahility was carried, withut opposition. Another resolution, to reduce the minhment from two marks to one, until a simpler spelling-book is authorized, was also carried.
Had it not been for the text-books, the prooosed new curriculum for public schools would have been the leading topic. The proposal make eight classes, instead of the present four did not carry. The rural-school teachers are pretty unanimous in preferring four classes, wh he power to divide them, so far as advisabl into junior and senior

## Improvement of Spelling

In connection with the Provincial Teachers he friends of Spelling Reform held meetings, which four interesting addresses were delivered. J. S. Lane, B. A., a modern-language special ist, reviewed the lines of reform pursued by the several European countries, save Portugal, which has now the worst spelling in the world, except ninish. The last official report of the French int $h$ en macal me French spulline of as reors French still carries a heary load of silent letters, but they are used consistently. J. Dearness, M. A., reviewed the progress of he movement to improve Fnglish spelling during such men as Sir Wm. Ramsas. Sir James Murray Or. Henry Bradley, Rioht Hon. James Bryce. J. Macnamara, M I' Stanley Jecons, Irof. " Wheat, and WII. Mrcher, entered its second year人ova Sootia, as in some other matters educational, leads the rominion. The pupils in its the \& \& B. simplifications affecting about 3.300 uords. Dalhousie Tniversity extends the same Cirmal College, the most important single train ne whool in Cunadu, traches the improved spell. 'Ivite as satisfactory progress is taking place (1) the leading Xormal schools of the Middle West orn tates The simplitied spelling board, mone its $25,0 \mathrm{~m}$ simners, numbers over 7,000
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The Millionaires' Clulo.
The mercenariness of America has developed housand ways of " getting rich quick," from gol In the former category was the whillionaires lub," of Council Blutfs, Iowa, one of the most anique and gigantic swindles ever perpetrated the dupes scattered in nearly every quarter of the game has been worked before, and on Candians, too. The Farmer's Advocate" recalls Cane case that came to light, in which a induced to take his '" pile ', torty American city to bet on a racing event that was ixxed in his favor, but he left it there. It
remained, however, for John C. Maybrow, and a band of about eighty associates, to reduce the rame to a system, and on a scale commensurate
with the name of the Club. In brief, the scheme was this: The Club, through its members, who were also its trusted agents, represented to inended victims who were discovered to be ready composed of millionaires who were fond of encouraging horse-races, prize-fights, foot-races, wrestling combats, and so on. They did not know ao much about these things, but were easy, arranged for the entertainment of these fictitious wwers of millions, one of the victims would be adised that he was to be ""let in," and came to certain the horse or fighter that was "ffixed to Itse sure. The amounts were never less than
$\$ 2,500$, but usually ranged from $\$ 10,000$ to $\$ 37$,$\$ 2,500$, but usually ranged from $\$ 10,000$ to $\$ 3$, dence to show that one Canadian "investor", was relieved of $\$ 66$, coo. The Club usually took the victim on. When the race or fight transpired, ome accident at wasse that was to win for the victim fell off in a fit, and lost. In fights, one of the prinripals would go into the combat with a small uncture he would receive a killing blow, and lie senseless "on the floor, the blood spurting in creams. The victim was advised to rum for the first train out of town, as they would all be arand the Club had his pile of money. Sometimes he victims, on returning home, would mortgage their property, and raise more money for another eliewed that the gang have within a year cleaned up about $\$ 5,000,000$ by their rascally operations, but finally fell into a trap on the charge legally using the maik, and landed in jail A letter from one of their victims got into and soor all came to light. Arrests, criminal prosecutions and convictions followed. It is commonly thought that guileless innocence is the easy victim of sharks and swindlers, but the dupes of the "Mitions
lionaire ("lut'" included all sorts and conditions of men. conspicuous among them being hardened kamblers and veteran crooks, whose cupidity or


Saving a Man's Time
(Photo by R. R. Sallowa.)

## HORSES.

Thoroughbred and Pure-bred.
Kindly tell me the difference between Thorough
Ans.-The dictionary defines ". thoroughbred" of a breed krom the best or pure for many generations hence having the qualities of such breeding; , high-
spirited, courageous, elegantly-formed, etc.; spirited, courageous, elegantly-formed, ctc, This
definition draws no essential distinction between the meaning of "t thoroughbred "and "pure-bred." Arrong stock-lreeders, however, the term thoroughEnglish running horse, which is the oldest and purest-bred of our common breeds of horses. Used in this sense, the term has acquired the signincance
of a proper name, just as Shorthorn has become the name of a certain breed of cattle, and the exclukive use of the name Thoroughbred breeding of other horses than the use of the name Shorthori is an imputation of length of horns possessed the
other breeds. In fine point of metaphysics, the English race-horse has no special right to monopoly of the name Thoroughbred, any more than the shorthorn has a the names having been established by usage, it is in the interest of clearness to adhere

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a

to the usage, and mo live-stock journal of any
rank, printed in the Lnglish language, applies th ri. Thoron applies the s one breed of horses.

Treatment of Burns and Scalds Farly last spring I visited a farmer near the call upon a neighbor who had met with a serioue accident the day before. While burning stubble the fire got away, and he endeavored to check it ing a sharp turn, one horse fell., In a second the four horses were a struggling mass in the midst of the dancing flames. The poor beasts were
pitiable sight, and 1 have often thought that would like to tell readers of "The Farmer's Ad vocate "' what to do to shorten the agony of their horses in such a case. Prairie fires are responsi ble for practically all the cases of burning among
horses in the Canadian Northwest ; but it mat ters.s little whether the cause is that of escaping steame - chemicals, the etfects are practically the same. can readily distinguish three stages or de
We can grees: First, where there is simply a reddening of the skin; second, where blisters or vesicles have been produced; third, where some of the skin,
and perhaps flesh, has been cooked, dried up, and its vitality destroyed. All stages require immediate treatment, and the danger does not depend so much upon the There are millions of sensitive nerve-endings scat tered over our bodies, and these are so close to gether that we cannot push a pin into our skin without touching one. Therefore, if we have a
small but deep burn, comparatively few of these nerves may be injured; whereas a scorching of a large surface, though apparently only trivial may affect many more nerves, and even produce
fatal result. The effects are not confined to the seat of injury, for almost immediately all the nerves in the body become excited from sympathy, and we have systematic resur, shown by a shive notice. Then comes a coldness of the extremities But probably the first thing we notice is weakness a restlessness, and a difficulty in breathing. If we feel the pulse, we find that it is quickened, and
if we take the temperature, we shall find some fever.
Now, whatever we are going to do in the way of treatment must be done at once. If the vet the poor beast may die from shock hefore he anrives. This shock is the first thing we must combat. At once give $n$ good dose of whiskey in
milk. Don't hesitate nbout it. Then proceed to atmly somethine which will keep away the air from the iniured part. Really, I helieve it matters little what we use (within reason), providing we do it quictlv. will do no harm), at once cove with an even mixture of equal parts of linseed oil and lime water. This is known as Carron oil, Wrolks. in Scotland. Tere the men were constant Iy being burnod hy the molten metal, and large quantities of this mixture were kept on hand for
caspes of emergency. Fwery reader of this will act casps of emergency. Fwerv reader of this will act
wisely in procuring a bottle of this mixture at
onco and keeping this for personal use in the house.
IIaving used this Carron oil, we have time to
look round and think. If the burn is of the first Eveners for Three and Four Horses or aecond class, and is confmed to a scorching or can hope for success. Even if the destroyed ethe does not cover too large a surface, we may atill go on; but if a large surface of skin has been
deatroged. we must ask ourselves if it will be eorth wille to continue the treatment, or would it be more merciful to put the poor beast out of tes misery. You know that when a wound is lealing. the scar contracts, and if this scar is lerge. of course the contraction will be large tremeplant some healthy skin into the large revalting sore, and produce a satisfactory result.
The poaition, also, of the burn must be taken into acoount. If it be in any part where there is


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elbows, it is very serious. In any case, if muc skin is destroyed, you must expect some weeks, place. If you decide to go on with it, procure a it on freely. If you can cover the part with thin cotton soaked in this Carron oil, all the better Renew this dressing frequently, and, if any blister: form, open them with a clean needle, but do no romove the skin. Later on you can change t some simp
ointment.
Although I ask all to procure some (Coron bit many will not do so, and, when the accident oc curs. they will, as usual, stand and wish. 13ut in such cases we hase no time to stand. Rush into the house, get some eggs, and cover the in
jured parts with the whites, then dust on flour or chalk, or starch powder, or mix chalk and water to a cream, and cover the part repeatedl.
until a thick coat is formed, and pot the until a
narian destroyed.
Zinc oxide,
bad, but iod
parts of tannic. and one part iodwform the cigh
er, you can mix either of the lattur imto a sals With vaseline or lard. I'rolnally this would
the better plan. 1 Later on, say aiter a wouh In speaking of the above, I have b.ewn thinking the result of chemicals, sombe other thinge mus
be thought about. For instance, sat the caus was a mineral acid (sulpharic) acid or or of acid). In this case, to add water, or anything
containine wator, we would wroduca contain
wont is something that will more heat
"t once with'chatk. of aven haling foda and aft


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# Eveners for Three and Foun Horse 

Kindly let me know if there is a four-horse evener which may be used on a two-furrow plow
with tongue, having one horse in the furrow other three on the land. If so, please make mi ture of same. W. Mc. In response to the above query, we have
thought best to publish a number of cuts of threeand four-horse eveners. We have not used or seen a four-abreast hitch that corresponds to W. Mc.' request, but the four-in-hand arrangement repre sented by one of the illustrations has been com-
mended by a correspondent. Where four horsed are used abreast, one may be put on the plowed ground, and, if he is a fairly-smart horse, will alk up even with the rest


## LIVE STOCK.

Crops for Sheep.
the year, has repherd to the needs his crops in recognizes the great advantage of providing no only a varicty of foods, but a succession of suc $12,$. Sheep Husthandry in Comada, Muthishem and takes up, this subject in a practical and thorough manner. Inder shecial crops for shep, it deals nips, mangels, corn, and the sereral classes of method of cultivation aud manner of feeding
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this is a wasteful practice, as much of the crop is destroyed by tramping
heep-raisers who do not already possess copy of this bulletin, would do well to order

Dual-purpose Shorthorns De manded by Economic Agriculture
Economic necessity is an unyielding force which drives truth home in unmistakable fashion.
 milking quality in our beef breeds is gatherin support wherever earnest men are thinking intel ligently upon the eronomics of meat production


## APRIL

the
soon
shire

The idea that a cow can be profitably kept for a
year on high-priced arable land, yielding as her sole return a calf for beeting purposes, and a fe"
months' nunse for it, presuppostes fabulous prict for beef, prices which cannot be permanently main tained, for the simple reason that good beef can be more cheaply produced with a dual-purpose stock; and if one breed does not meet this neteri, another presently will, as surcly as water runs down hill. Those auchorities and journals candide, whin hate been playing the part Candid friend, by pointing out the urgent impo fance of developing dual-purpose attributes, (i) serve the gratitude of every well-wisher of the better-minng beer treeds. One of the mor Clual-purpose tidea ise mesistent, champions of the in commenting recently Breeder's Gazette, which of milk-and-butter production in Pennsylvania made by a Shorthorn cow, Rose of Glenside, that yielded in one y car, in oflicial test, 18,07.5. rounds oi milk and 634.76 pounds of butter-fat kose of cilenside, the milking trait has beenking tensified to a marked degree without marring satisfactory dual-purpose type. Hundreds blend of practical virtues.ent examples of the same ". Milking Shorthorns that are equally useful fow Towi production are not idle my ths; they ar country in pure-bred and grade herds. We ha" the unorganized foundation material in this coun Shorthorn that would "q a beffand-milk type of tives of the 1 in fergland a resenta developing. it is demanded by economic agricul parts of the country
ern Canada is to he looked into by a commisci appointed the the Manitoba Government at the quest of representatives of the live-stock inter ests. The members of the commission are A. M Camphell, of Tantan, Stephen Renson, of Noepdurnond Re, A. Manning, of Winnipeg. The
$\qquad$
which ive stock raised in Western Canada
marketed. The funstion of open stock-vards and

## Tamworth Swine

 Contrary to what most people imagine. we find that, among the improved breeds of swine, theTamworth is one of the oldest established. Although of more recent introduction into Canada or American than others, we find that this breed of swine was introduced into england about the year 1812, by sir kobert 1cel, and were brought from Ireland during the time that he was secretary of that coutryed her his atten tion was first attracted by their distinct type, hardiness, easy-fleshing qualities, and superior quald Ireland, and noticing the affectionate relationship between Fatrick and his favorite pig, Sii Robert was much interested in farming, and up to hogs, which were called from that time the Tamhogs, which were called from that time the Tam


A Typical Tamworth Sow
they were much improved during this time and
soon berame one of the established breeds of thal where they still are the most popular breed of
that community. At the Royal. Show, in Eng
land, they stand as one of the foremost breeds of th. country, and it is no unusual occurrence to
carry off the champion prize, competing against all hreerks.
In just what year they were first hrought to
Canada we know no correct data. I find, accordCalada we know no correct data. Candian Swine
ing to the second volume of the Cobed (int, was
Record the late . John Bell, of Amber, one of the first importers, and, I lielieve, the first
exhititor of the breed at the Toronto Fxhibition, there they were much criticised and ridiculed. James calert. of Thedford, Ont. In the early nineties, we find canada first woke up to the imwith Fingland, if the prime-quelity hors were
produced. Previous to this, about the onls do mand for pork was in a local way, and to supply
the lumber shantios: the hoasier and fatter the hog, the better suited for the trade. The then
 The ingersoll Pracking hous.e. in search of a trowe Tacon hogs, learned of the sectal merits of the
Tamworth, and the imported a large number of
hourceint hwars and cows. and had them placed in the hands
oi farmers in that district. This experiment
prowe
 years they outclassed all breeds at the great ex
hithitions. Among the pioncer Ontario exhitions
were .J. ©. Nichol, of Hullery, and the (ieorgese

 others who were fast coming to the front and
making grand exhilits at our large exhilitions That the Tamworths hate done much to rew of bacon hogs in this
thange the correct tyo. of bace ry is beyond dispute be one who has heen a
observer of the swine industry. A tspical
 Breeders of other swine hat worm
 os land ho in the corn hintse laver numpors

quired for bacon production, which means a hog herses, weighing from 1,000 to 1,200 pounds, 12 that is exceedingly light in ollal, with a long, to 1, pounds of oats per day should be a fairly
trim body, and especially very smoothly covered liberal allowance. The oats should be divided with firm flesh, indicating a desirable mixture of fat and lean. The head should be slim, a light of appropriate size and not unduly long, the ear of appropriate size for the head, with the neck
sharp between the ears, and light, swelling easily to cover a deep shoulder smoothly. Depth of shoulder is desirable, but without roughness. The shoulder should not bulge out beyond the body or the hips, as this detracts from the general ap-
pearance of trimness and smoothness which is so desirable. The back should be long which is st with a gradually-rising arch over the shoulder to the loin, and then a correspondingly descending Kine from there to the root of the tail. Width and even covering of firm flesh is very essentiar The ribs should drop as deep as possible, making the body appear, from the ribs, as if it had abundance of depth. The loin even with the Shoulder and back well covered. Length of ham and gambrel is a peculiar feature which should wards the hock, without folds of fat, is eminently
desirable. The leading features of the typer throughout are fair length and depth, with
smoothness and trimness in all regions Objections.- Black spots, very light or ginger hair. curly cont, coarse mane slouchy or droopkled skin. intent kinees, weak pasterns, hollowness
of back and shoulders. Tamworth swine are great rustlers. a splendicy enormous size at maturity, are very docile, good mothers, and raise large litturs, Aecording to
many experiments conducted. the records show they produce pork as cheaply as the so-called lard cial purposes worth. Many who have tried them, and for some
reason discontinued hreeding them, are coming hack again, I would very strongly recommend
 Business Proposition
some the most desirable bacon hofs cheay, production. I favor a Yorkshire Tamworth
cross, others clain, equal or better results with
Tammorth and lierkshire or (Thester White crosses 1 ain fully convinced that, for pork only, a cross between two pure breeds will ontgrow either bereed In conclusion. I would very, strongly mer vears there has not beem, such al sourcity, and

Fitting Stock for Sale.
able columns with an outline of met hod of feyding hors in shape for sate in least possible time flesh, are not in marhet shape, horses not plenty of oats, hay and straw on the place
must say that,
though a new subscriber. I your paper, and am sure to profit in it class condition in a short time. If whe attempt to hurry mattens toct much, the chances are wh further than the point trom which whe started and fimmicherd in this inguirm is wery indefinite. Th hupon his wericht it is not somell pither. whether whe ther they will be required to work. which will

Tiberal allowance. The outs should be divided course, that it is important to increase the horses in condition as rapidly as possible, and, to do this, we must feed a fairly heavy ration, and must give the horses regular exercise. If the
horaes are allowed to stand in the stable, and an attempt is made to fatten them as you would latten bullocks, the results will be very unsatisalotory with liberal feeding, in order to put him into condition quickly and satisfactorily. Three or four times a week it would be well to give a ieed of boiled oats in place of the dry oats, and a small handful of flaxseed added to the boiled pats given io it must be remembered that the boiled oats are not fed in addition to the amount of oats recommended, but, on the days when proiled oats are fed, the horse would receive only yrain, the remaining third being made uncooked feed. If these honses have been fed very little grain (1) to the present, it would be unsate to start with the full ration, as recommended. They hould be started on a light ration, increased have been faidy liberally fed up to the if the then at would be quite safe to start in with th Gull amount stated. A turnip or mangel once a chould be be found beneficial. The hay ration should be of good quality, and rather limhis judgment in this matter, and be sure that the horse is not kept with hay before him all the If it is impossimply given what hay he requires If it is impossible to hitch the horses every day into a lot or yard for the purpose of getting exercise. The larger the lot, the better, as
Is to cattle, we are not told what kind catle they are, and it is difficult to cover all
possible cases. If we suppose they are ordinary possible cases. If we suppose they are ordinary
breeding cattle, a goord meal ration could be made up of oats and bran. For fattening purposes the addition of a certain amount of corn in th meal ration would be an improvement, though one could get along with a mixture of, say, three parts of oats to one part of bran. This makes pound of meal per day for every 100 pounds live weight of the animals, starting, of conrse, with a smaller quantity, and gradually coming up to the oil cake per doy to each animal's ration, will im prove it. Nothing is said about roots, and, to get the best results, roots or silage would be a from 4 C to 50 pounds, to a fulltgrown animal per day, would make a very great improvement in the sist of the best available hav ration may con


A Yearling Tamworth
hogs, nothing is said regarding thel f. If they are very young, wheat middlings that could be used. A very few finely-ground bats could be mixed with the middlings to adantage. For pigs, say three months old a mixure of about three parts of wheat middlings to nill wart of grouk almost any ind of grain could be combined with the middlings, and proportion of grain gradually increased as pigs grow orer. The pigs must be allowed co regulate their own quantity, the feeder giving
them only what they will eat up clean three
$\qquad$ grooming will help, to improve the appearance of the animals very much, and will also increase greasing them all over with a mixture of raw lin-
about two pounds of sulphur to a gallon of hint foliage than is nitrate, and requires carefiul soll
seed oil. Some of the coal-tar sheep dips also
sole
 answer ery weol tay about two parts of creolin soil, it can oiten be applied teriore the plants
tion of creolin, say to one hundred parts of water. The quantities of grain for horses and cattle, as given above, are udgment in adapting the ration to individual cases.

Dairy Shorthorns in the West. Farmers in the Fraire whether these cat are colled dual-purpose or Shorthorns of milh ng strain makes little difference to the man whon wants a lig. strong cow that will give a reason ble fow of milk and produce a calf that develops into one that can be fed
Discussing prize-list changes, as proposed Brandon recently, whereby there would be two Renson, of Neepawa, expressed the opinion that types. "Show-ring breeding," said Mr. Benson, ' is gradually transforming the Shorthorn to beef type. At present, many Shorthorn herds in Canada and elsewhere stand low as milk produce In fact, they cannot feed their own progeny me milking qualities if the calses are allowed to stay with their dams. We must plan to feed skim milk. I have found it best to have heifers drop the first calf before they are two years old, and continue to milk for ten months or a year.
Fighteen months should elapse before the second calf is dropped. This gives the young cow a chance to develop. With this treatment it takes
longer to mature than if she were not bred so longer to mature than if she were not is a most oung, but the frame is large,

Those that do not give good promise at the and of the first milking period are sold. It is not difficult to discern those that tend to Hesh married hired fore per and cottages pro vided, it is not difficult to make arrangements with the women to care for the calves, and also our calves are fed skim milk until they are ix or seven months old. In fact, we work along the same lines as do breeders of dairy cattle care. It is difficult to get too much flesh on years of age. har experience indicats well as milk produc ars, and also produce a (rop) of calves that suit well for stable feeding

Prof. W. H. Peters, of the Animal Husbandry Department, of Manitoba Agricultural College, has intimated to the studens his ntention of laking stock-judging contest.
show leai. Sitrate, however, has the preference
for top-dressing purposes, where a prompt and practically instantaneous result is desired. in wet seasons the sulphate of ammonia may be used
to advantage.
$\qquad$
Caution.-lt must be remembered, howerer,
that it is an easy matter to put on several times the intended dose oi commercial fertilizer. unless
cars be taken to regulate the amount. Fxcessive cars be taken to reyulate the amount. the plant germ entirely, or in severely burning the growing plant. All fertilizers, therefore, must be carciully weighed, and the amount per acre applied should Chemical fertilizers, it must be remembered. ar very concentrated forms of plant food. "hich may act as direct plant poisons when present in strong soil solution. The blant can only make use of foo 1 in a vers diluted form, else
In order to scrum uniform distribution of rantageous to incroase the bulk of material miving the fertilizer with dry earth, sand.
sifted wood ashes. This man is especially to sifted wood ashes. This plan is especially to be
$\qquad$








Masculine Ovine Character


## THE FARM

Fertilizers.-II
 APPLICATION OF FERTILI/FERS ()n a soil containing large quantities of lime: use superphosphate as a lop-idressing in the spring. and at the rate of 300 to 500 pounds per acre soils containing clay or humus, apply 504 to 600 pounds per acre. In many cases, still foter results follow if a moderate dose of basic superyhosphate in the spring. Aroid hones, unless finely ground
special purposes. care and their successful use depends on good fudgment, and the provision of a simultaneous supply of potash and phosphates
Plants grown for praf and production, such as cabbages, asparagus, celery and rhubarb. successive small doses, and, wrovided that phosficiency of potash, as much as 2001 to 300 pounds of nitrate per acre can the applied profitably. a light dressing of nitrate in spring has bewn fomm the fruit. Nitrate is injurious to the foliave of mans


This may also be done if a yellow rust attacks
the leaves. Alfalfa fields should be kept free from animals in the winter, as trampling on the
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Alfalfa.-III



Spring Seeding in Ontario with a Rusk.
seeding Thick and Even Thicker. Complete Fertilizer for Potatoes. Batitor "The Farmer's Advocate
In your issue of March 24 th, pages 491 and 492. Foyston Bros., Simcoe, Ont., misquote me, or else your reporter at the E. O. D, Convention
got my figures wrongly, for if my memory of the
gita got my figures wrong (and I must say my recollection of the matter and the manuscript 1 prepared for
my address at Belleville agree), 1 gave not 12 my address at Belleville agree), I gave not 12
pounds timothy, 9 pounds red clover, 3 pounds pounds timothy, 9 pounds red and and and 3 pounds alfalfa, per acre, but 12 to 20 pounds timothy, 9 to 12 pounds, red clover, 3 to 5 pounds alsike, and 5 to 6 pounds alfalfa, per
acre, as the right amount to sow. acre, as the right amount suggested was intended
However, the seeding sugher to indicate what would be best to sow on a field
that it was desired to pasture either the first or tecond year after seoding down. If not intended o pasture, the amount of seed might be reduced by about 20 per cent. As your correspondents mean about two seeds per square inch. At the rete at which I recommend seeding, it would mean
about three seeds per square inch. Whether sown about three seeds, per square incher of seeds fail to make good as plants. My observations lead me ditions, from one-half to nine tenths of the seed ditions, from one-half to nine-tenths orths after
or plants perish inside of twelve months seeding. At the lowest rate of loss, there would
remain, say, 200 plants to the square foot, twelve remain, say, 200 plants to the square it, is not too
months after seeding. This, I submitute great a number, if properly distributed. atch as
sure proper distribution and as good a cat at all possible, we recommend the following sys tem of seeding-down, the same hating :
occasions proven very satisfactory here : Prepare seed-hed thoroughly. Mix seeds
Divide into two equal portions. Sow one part at same time as sowing grain, from grass-
sceding attachment on seeder. Turn spouts to seed behind drill. Inmedrately atter seenc half grass seed crosswise. Harrow crosswise with
very light or tilting harrow. If soil is a little on the dry side, or in just right conem roll righ
(dust flying in small quantities, then
If soil is rather light, or very dry, roll twice, or weight rolter, postpone rolling damp to roll at seeding time, postpone if dry weather comes on when grain is from if rollect weather
inches high, it would be well to roll, even if re the rolling at this
tuice at time of seeding. stace breaks crust and wonderfully, Be careful th
brightons crop wither from lodging brotect stand of grass and clover from lodging cafety of grass. Briefly, very muct
 anmals. will he worth from 20 to sin owr fint
$\qquad$
$\qquad$
 Eatior

Editur . The Farmer's Advocate an experiment with
Last season I conducted and fertilizers on potatoes, and thought that
sults might be interesting to the readers of your paper. The land selected was a sandy loam, from which a crop of wheat had been taken previous year. manure. I may say that this field was very bad with spear-grass. I plowed the land ing the fall, and commenced to work it in the spring as soon as I could get on to it with the spring1st. When the ground was cleared of grass ready for planting, I marked the land with a
horse-marker, 30 inches apart, and then sowed the horse-marker, 30 inches apder potash and phosphate broadcast. The nitrate of soda was not applied to the crop till later then plowed out the furrows to a depth of three to four inches, and planted the and afterwards covered with the harrows, leaving the ground some what rough. Just as the potatoes were coming up. I smoothed down with harrows, this also
killing the small weeds, and sowed half of the nikilling the small weeds, and sowed happlied about
trate of soda, the balance being apple
two weeks later. was conducted on three-quarters of an experiment the plots being one-quarter of an acre each. The three plots were fertilized as fol Plot No. 1-Uinfertilized acid phosphate, 360 pounds ; nitrate of soda, 14 pounds.
Plot No. 3.-Acid phosphate, 360 pounds ; Plot No. 3.-Acid phosp
trate of soda, 140 pounds.
Owing to the excessively dry season, I did not Owing to the excessively dry season, 1 did not mal senson. Nevertheless, there was a marke difference in the vields and quality of the pota
toes. Plot No, (complnte fertilizer) came up
few davs ahead of Plot No. 3 (without potash) few davs ahead of Plot No. 3 (without potash)
the difference by the foliage, it being of a much healthier appearance. The potatos on scab than
fertilized plots were much freer from sce fertilized plots were much and were vory dry and
the unfertilized plot, and
mealy. The yields on the various plots were as Plot No. 1-108 $\frac{1}{2}$ bushels per acre Plot No. $2-160 \frac{1}{4}$ bushels per acre
Plot No. $3-123$ bushels per acre. Plot No. 2 excelled Plot No. 1 in the yield of
52 bushels, and was also ahead of potatoes by 52 bushels, and was also ahead of
Plot No. 3 by a good margin. The bugs did not Plot No. 3 by a good margin. The bugs did not affect the second plot (complete fertilizer) nearly
so much as the others, owing, I think, to the rapid growth of this plot carly in the season. In conclusion, I would say that, before you can take he soil the plant-food substances that have been moved previously. Commercial fertilizers, used enth barnyard manure, will do this.
W. A. Mitchell.
Bruce Cor Ont.

Removing Couch Grass. E.ditor "The Farmer's Advocate": Our attention has been frequently attracted by
inquiries in the agricultural press as to what manner of cultivation could be made use of to sucnessfully rid the land of that crop-blighting nuigance commonly known as quack or twitch grass. The farm we at present a gentleman who had term of years rid a certain section of the farm of quack grass. Year after year this piece of land had been sown first with one kind of grain, then
another but always with much the same results another, but always with much the same
it being a rare streak of luck to harvest an amount of grain equal to the quantity sown.
a The year we took possession, this plece of
land was left till the other part of the farm was land was left till the other part of to to work to sown an hand with the quack, and were advised to
try our plow not more than four or five inches deep, and cultivate thoroughly. A gang-plow was bor rowed, and the land phowed narrow and shallow.
The wagon was brought out, and the grass, being in blocks, was loaded directly on to it, and hauled to a stone pile. The remaining fragments were rake, and also taken to stone pile to be air-dried, rake, and
aiter which it was burned, the last operation be-
Although it ing a deep and thorough plowing. Although it will soon be fourteen years since this piece of
land was experimented on, there has not been a return of the quack. The task was a very tedious one, but the results obtained have been of the most satisfactory sults obtained have been of the most satisfactory
character. We believe the reason our work proved character. We was our not using a cultivator, for, had we done so, the blocks of grass would have been torn to fragments, making work of gathering quack more over a larger area, thereby increasing the pest, instead of lessening it. Should the grass appear again, we will let land lie for a season, and seed itself; then harrow following spring sufficiently to get it started well, top-dress with a medium coat of manure, till it reaches a matted state, then repeat operations as previously mentioned. If the quack grass on a fry the plan just mentioned, according to your own judement, and make the quack mat. In
June, before it sets for seed a second time, plow


An Even Distributor of Soil Wealth. (Photo by R. R. Sallown

## THE FARMER'S ADVOCATE.

FOUNDED 1866 the bottom; cut in blocks, load on wagon, haul and one bushel of seed. The stand was very poor arden pile, collect fragments with harrow and Having had some experience in a small way with haul away, and pile 'with rest. let lay to do), to dry, then burn. Finally, plow deep, and probe ably your trouble for years to come is ended. Stay on your farms. Apply yourselves diliperseverance to bear on your labor Make the perseverance to bear on your labor. Make the
best of the talents God has given you, and, when you have honestly done your best, surely success
is vours.
ONTARIO FARMER. [Note.- This may be all right for smal
patches, but is too laborious and wasteful to be Alfalfa in Prince Edward County
$\qquad$ Alfalfa was first grown in this vicinity about
fifteen years ago. The first field of which the writer has any knowledge was a high, light, gravelly field, lying to the south, and naturally well
drained. The yield has gradually decreased, until drained. The yield has gradually decreased, until
now the stand looks not unlike a field under proc ess of reforestation.
About six or seven years ago my father pur-
chased a few pounds of seed arown from chased a few pounds of seed grown from this
field, and sowed it upon about three-quarters of an acre of high, gravelly land, which was so light
that we hardly ever plowed it. It had produced that we hardly, ever plowed it. It had produced for a number of years a growth of wire-grass, and
yielded practically nothing. The first crop of alfalfa from that land was as good as one could wish from the very best land. Not understanding just how to cure it, we allowed it to get too followed by a week of rain, which rendered it ver woody. The cattle relished it, however, though so poorly cured. To test it a little further, we bought enough seed at a seed store to sow about
one-quarter of an acre near the barn, to cut for green feed. This was a deep soil, but wet and soggy, because of a spring which flowed along one
side. The first crop gave us more feed the had ever, perhaps, produced of any other hay off the same ground. The next year it was bact winter-killed, and grew more weeds than hay.
The next we seeded was one and three-quarte acres of very heavy clay, which lay on a ridge.
This has given excellent satisfaction, though just on the top Is a fat place which has killed out.
The first vear we had a good crop of hay but did not cut the second time, though there was quite excellent crop of hay, and, with the first piece
which was seeded some years previous, and was getting thin, we had two buchels three pecks of
fine seed, worth from $\$ 10$ to $\$ 12$ a bushel. This
$\qquad$
this valuable plant, we seeded this year six acres, three with barley, sowed one bushel to the acre, of alfalfa was used on this six acres. To try early seeding, father sowed a narrow strip about the last night it froze in the early spring. This grew with it. Our impression is that it would
$\qquad$ The buckwheat was sown thin about the first of July, and the alfalfa grew almost as fast as the
nurse crop for two or three weeks. When we cut the buckwheat, the alfalfa was as large as that beside it grown with barley, which was sowed five weeks earlier. We have found, however, that it has heaved worse by frost this spring than that
which was seeded with the barley. Our cattle and horses relish alfalfa as they do no other food. Horses eat it, when well cured, even in preference to oats. We intend feeding it with
other fodder, as we believe the animals will re ceive more good from it. It is a crop which, in this section, will take almost if not equal rank farm that should not have a few acres of it. The only objection to it it the difficulty in curing some
wet seasons, but if we were formig scale, we would increase our acreage on a larger in spite of this ohijection. of procuring clean seed of any variety. andy that years ago we bought a few hushels of send grain
froni a reliable firm. We had to hand pick all of it to get out the foul seed, of what kinds with grass seeds, but did not know of the pres enca of the weed seeds until they came up.
tonk us.
It then we have hourht no seed, but have grown our has a clean farm. he will do well to grow his awn Waterproofing of Concrete
$\qquad$ Conventiont Chemist. Detroit, at the Cement planation was that the water with which concrete preparationy spaces which it had occupied. Many Waterproof are on the market, but in most cases
$\qquad$ there are also preparations to be, are offered, and ings after the wall is completed. In many im- made in producing such materials has been rapid and satisfactory. For most farm structures, wash of pure cement and water, applied on the in
side. is sufficient for practical purposes side. is sufficient for practical purposes. Mr
Plumb warned against using for surface coating any preparation containing linseed oil, as the vegetable oil will combine with the alkali of the concrete, forming a kind of soap, and making mat-

Others Satisfied with Steel Sillo In adition to the letters detailing experience March 24th, the following has been received from of D. A. Campbell, Perth Co., Ont. His opinion corresponas closely with that of the others who
have used them. He makes note of one have used them. He makes note of one special
feature of the steel silo in relation to the freezing of silage, that the heat of the sun will warm the steel sufficiently to cause the frozen silage to
loosen from it. Jas. Scroggie, of Brant Co., Ont., also writes in reference to steel silo. In his silo, opened on top, silage had kept well, with very little spoiled
$\qquad$
$\qquad$
was erected last fall, in size $12 \times 35$ fept far. It The foundation was built from about $3 \frac{1}{\frac{1}{2}}$ feet high. rom the manufacturers of the silo print received with snow as yet. The silo cost \$a no trouble delivered in Stratford, with 10 per cent. off for cash, and freight extra. All told, I gave the
manufacturers $\$ 150$, they supplying a man to erect it, and I to give him needed help. We put
the silo up in three davs, with at it, their man, myself, and two men I wired $\$ 1.50$ a day. We never had any experience with any other kind of silo, so cannot tell which best. Our silage is just fine, and the cattle are freerze in any kind of silo if it is built outside With regard to the steel, very little sun wil loosen the frozen silage from the silo, it being
thin. I think it loosens where there was a ten or six-inch cement wall temot say how steel will last, compared with Brant Co., Ont. D. A. CAMPBELL.
$\qquad$
The dimensions of my steel silo are $12 \times 30$ has as yet no roof. The cost foundation, but plete was $\$ 140$. I opened it a few days ago, and
silage seemed to spoiled on top. There was well, with very little frozen, and that on the north side fro of it have seen, I would advise any intending builders


Broom Copn Grown in Norfolk Co


[^1]APRIL 14, 1910
THE FARMER'S ADVOCATE
say that the seed can be fed to stock in the same
proportions as faxseed. proportions as tax.
Norfolk Co.. Ont.
$\quad \begin{aligned} & \text { On }\end{aligned}$.
(Note.-Our correspondent is correct in his sur-
miso that the answer regarding broom corn was mise dhent on information from American sources. being principally drawn from a bulletin
on the subiect by the United States Department on the subject by ine interesting to learn that broom corn is still being produced in Canada commercially, in a small way. As for cultural direc-
tions, while those given by Mr. Culver differ sometions, trom the American instructions, notably as to the thickness of the stand advised, still we fail to see that the directions were misleading in other respects, and may add that the publications
of the United States Department of Agriculture of the United States Department of Agriculture
are among the most reliable popular agricultura are emong the mom any source. A leter from a
works issued from and
Candian grower is, however, very welcome.Eanadiar.] grower is, howe

## THE DAIRY

Plant Sweet Corn for the Cows Editor "The Farmer's Advocate"
There is wothing more profitable to a farmer
with a few cows than a few acres of sweet corn to be cut and fed in late summer and early autumn. Many have to cominence to feed hay
then that should be kept for next spring. then that should be kept for next spring. Th
hot, dry months of summer leave the pastures shortest at the above season of the year, and
they should be supplemented by some succulent they should be supplemented by some succulent
feed. The sweet corn should be planted early in feed. The swee corn shats. Too many plant or sow
hills or very thinly im drilss only the fodder to feed, which is only a coarse grass ; better to plant it thinly, and have a good rich feed. 1 always grow
a littie for my cows, and plant it adjacent to a litule for along the lane fence, where it can be cut daily and thrown to cattle, with little labor, and I believe that one acre planted this way will
yield as much feed as two or three nacres in any other crop.
Essex Co

## Saving at the Spigot, and

 The New York Produce Review publishes a letter from H. Van Norman, Professor of Dair ter from H. E. Van Norman, Professor of Dairy
Husbandry at the Pennsylvania State College, in which he tells of a creamery in his State that le
 hired, who ran the No in one month. The former
creamery lost $\$ 735$ in maker was brought back the next month, and re stored the overrun to fity per cent. more salary than he did before his efficiency was realized. Th contrast to this instance, we are told of another creamery where a buttermaker, who had done
much for the teneral agricultural advancement of much for the general agricultural advancement
the community, asked for an increase. The man nger demurred. The patrons heard of his reluc-
tance and the result was that the manager was tance, and the rsul
dismissed, while the buttermaker got his increase
The The patrons of this creamery evidently believed iw
rewarding efort, and realized that keeping down
wakes is not always the best way to make money.
O. A. C. Daipy-school Examinations bees develop, make them a different bee from the The following is the proficiency list in the ex- queens, though the eggs are said to be the same. aninations at the (he A. . Dairy School the ex- For the first six days of their life workers do in-

 Credit, Peel Co." Ont., 976 ; 4, T, J. Scott,
Wiarton, Bruce Co., Ont., 937; ${ }^{4}$ 5, S. E. ETfinger, Sellirk, Haldimand Co.. Ont., 904; 6, N. Neville, Nilestown, Middlesex Co., Ont.,
 tario Co.. Ont., 857 , Halward, Cannington, 11 , Lewis Roloson, Bayham, Elgin Co., Ont., $84 C$ 12, W. M. Reed,
Elimer, N.
 Jaques, Adinson, Leeds Co. Ont., and George 11. A. Higgins, Inwood, Lambton Co., Ont., 768; 17. E. W. Packard, Brockton, Mass. U. U.
 lington Co., Ont., 713; ${ }^{21}$, C. C. Palmer, Wards-
ville, Elgin Co., Ont., $683 ; 22$, F. R. Harrild
2. Netson, Halton Co., Ont., 681,23, E. M. Arm
strong, Fordwich, Huron Co. Ont., $651,24, \mathrm{M}$ Calder, Bright, Oxford Co., Ont., 635 ; 25, Eddie Diebel, Hampden Grey Co., Ont., 631 , 26 , R. R. J. Fietcher Norvich. Oxford Co. ©nto 615 , 28 J. P. Allison, Inwood, Lambton Co., Ont., 521 : 30, Peter Vick, Spring field, EIIgin Briversdale, Bruce Co., Ont 508. Maximum marks, 1,200 . Farm Dairy-1. Chas. Mullenix, Lebanon, Ohio U. S. A., 624 : 2, G. M. Dale. Palermo, Halton o., Ont., 345. Maximum marks, 800.

With regard to an item in "The Farmer's A vocate "l last month, noting the resignation Mr. Ralph from the e in justice to his successor Mr. McKay, who has for some years past been Cheese Instructor in the Dairy School, serving during the summer as one os the tion staff. Mr. Ralph was known in the College Calendar as Demonstrator in Cheesemaking, but in the Dairy School his position was that of Assistant Cheese isshed, Mr. McKay taking Mr. Ralph's place on the permanent College staff, and retaining his former
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## APIARY

Elementary Instructions in Bee-keeping.-III.
The lives of worker bees begin the same as
those of queens. They are fed for about the those of queens. the incy thir larval state, but they aro in sealed cells longer. Under the right con-
ditions. they emerge from the cells in about days from the time the eggs are laid instend of
sixteen dave ens with eueens
 larvas. It is considered less concentrated. This,
and the different size of the cells in which worker
other duties. When acting as "" nurse" bees, they predigest a
and mixtere feed into cells containing larvee. Pollen, tho dust gathered by field bees from flowers, is
absolutely necessary for preparing this larval feed pollen, after some modification by the bees, is what our grandifathers termed ". bee bread." After the worker bees leave the hives their great life work commences. Flying from flower
to flower, they add to the tiny load of nectar in their honey-stomachs, until there is no room for more. Then, with their powerful wings, that a wise Providence has given them, they hasten homeward to unload the prets, for in a few days the flowers may cease to secrete nectar. When a heavy nectar flow is on, the worker bees will tremble, semingly, with nervous energy, as
though, like the gambler at the table, fearing the loss of a great stake. Some consider that they pant as a person out of breath.
But, alas ! how soon ends their uspeful life. emerged from the cell; to-day a veteran, with torn and ragged winge-not placed on the pension list to pass its last days in tranquility, but mercilessly dragged from the hive by its younger
twates, as no longer of any economio use in the gieat industrious laboratory of the hive. what The age or longevity of the workers is what
often puzzles beginners. It appears incredulous often puzzles beginners. It appears incredulous
that the workers live such a short time. I once read a newspaper report that a certain feminine beekeeper had beess fifteen years old, as for so
nany years the bees had been in the same 10 g . many years the bes had been in the same
gum without once dying out. Now, the fact is the worker bees of this season do not live for another season's labor. During the fall, winter and spring months, when the bees are comparamonths, but when hard at work gathering nectar, heir life is so shortened that they live, on an average, to be but six to elght weeks old. endowed queens with the egr-aydering powers neture has possess. As the ranks of the workers are so con-
stantly be an adegned, it is necessary that there should not the case, a hive would in time become de populated. rades from the hives; others, when weather is adverse, will let them accumulate in front of the hive stands. This sometimes frightens begimers.
A person to whom I had sold a colony once came A person and anxiously explained that hrs bees were dying of by the hundreds. I took him into my apiary, and soon made plain that conditions of To briefly consider dr bees, or, at least. those that fertilize queens are "papas." This is, so far as known, their only
tae in hive economy. When they nre no needed, the worker bees dispose of them by driv. ing them from the hives and refusing them lite

yrshire Cow, Floss of Glenhurst -9947-, and Her Five Daughters
sustenance. They are not wintered over, except The egrs are padd for on receipt at "the price the frst egry in the nest, and mark it with lameumes when there has been a flow of honey set by the circli" directors. Whatever more the
late in the fall, or if the colony is queenless, but egss may net is only paid to the memhers ater make their appearance in this locality anens, but swarming time, though in some places, I am told, bout tillt weeks before swarming, and stay about till nectar-gathering ceases. They are
reared in drone cells which reared in drone cells, which are larger than worker
cells, and emerge from the cells in about twentycolls, dnd emerge from the cells in about twenty-
lour days from the time the eggs are laid. As drones consume much honey, their production should be curtailed. F. A. STROSCHEIN.

## POULTRY.

## Danish Egg Circles.

The local branches of the Danish Co-operative Nembers called "Circles" Members are accepted on application to the of
ficers of the "circle." They pay 13.5 . as a fee to the main association, and are under Members have to deliver all eggs produced by their hens-home consumption, setting eggs, an and on the days decided on by the officers manne calender This obligation holds good for one days may be delivered. trangression of this rule as well as the delivery of stale eggs, is punished by a fine of $\$ 1.35$, imposed by the directors of the co-operative association (main association), and may be increased to $\$ 2.70$. One-half of the fin to the "circle" in question. The decision of the main directors-irrespective of that of the "circle" directors or of the egg-collector-cannot be ap
pealed. In case of a suit for the collection of the fine, the party sued will have to pay the costs. The eggs must be carefully collected every day and in the hot season, twice a day at least Artificial eggs only may be used as nest eggs, and night.
Only clean eggs may be delivered, and they must
be kept protected against the sun, rain and frost
The members may only deliver eggs to the circle" from their own hens; transgression of this Ame and 13.5 cents the second time per pound $f$ any such unauthorized deliveries.
he number, the name and position e" must show ber, and the number on the list must be the same as that with which he stamps his eggs. Changes man to the main office. -on payment of 5.4 cents-a rubber stamp with nk and pad. The number of the "circle," as well each egg must be stamped plainly and neatly and the big end. The egg collector can only accent ggs which are clean and plainly and neatly tamped. The "circle" directors may temporarily ber may be expelled by a majorityer, and a memeral meeting or by the main directors. The necessary capital for paying cash on de-
livery of the eggs of the members is provided by livery of the eggs of the members is provided by
a loan, the members of the circle becoming re-


#### Abstract

retaining a suitable amount for the working cap


 tal actors.
Not
Notice of withdrawal is given to the "circle' directors, but only so as to take effect at the end of the business year. Withdrawn or expelled
members have no claim on surplus reserve fund members have no claim on surplus reserve fund or
other assets of the "circle," and they have to return their stamp , without compensation, to the
" circle" chairman. The beard circle consists of an The board of directors of the and they are elected at the general meeting They take care of the business of the "circle" the best manner possible, seeing to it that th
eggs are delivered to the association in the con eggs are delivered to the association in the con
dition demanded. The "circle" directors appoin and discharge the egg, collector and other em ployees of the "circle," determine their compen sation and supervise their work. The pay is ger
erally 27 cents per 100 eggs for collecting erally 27 cents per 100 eggs for collecting.
The general meeting elects annually tw
ors, who audit the year's account before the en of January the following year. The regular an
nual meeting is held in the first part of February nuat meeting is held in the first part of February,
in time for eventual suggestions to the main di-
rectors, to be submitted to their chairman before February 20th. The "c circle" sends a delegat
to the general meeting of the main In case of an eventual dissolution of the ecirclen any possible surplus-after settling all liabilitiesis to be divided among the members in proportion year. the weekly quotations to be paid by the printed but now they are mailed every week privately, ing of the main association elect a "represent cion " of seven members, four of these, with a chairman from the board of directors, the former being elected for two years at a time, the latter
for five years. An exceutive committee is formed by the chairman, the manager and one member Judging by a good deal of experience with
patrons of co-operative atrons of co-operative cheese factories, so-called haps the most troublesome snag in the foregoing regulations, which have proved so effective in IlenCircles bind themselves to deliver all their eggs go-as-you-please independence in order to make that rule effective. It is the crux of the situa-egg-producers, for their own benerative organization once begin putting into effect the working regula
tions of the Circles regarding the gathering and

Geese and Goose Eggs

## In your issue of March 31 st I noticed aty

quiry as to keeping goose eqgs, and making be of benefit to someone. Geese should be matel in the fall, and, if warmly housed, will start tar ing in March. Care should be taken not to feed pencil, and leave it for a nest-egg-the first a seldom hatches, anyway-and gather the rest of the eggs as soon as laid, to prevent them from some cut straw or bran in the pantry basket in place where they will not chill, and turn them set a day until they are to be set. I generally the goose wants to hatch, shut her up ford, when days. and she will lay again; set her the next
time. When is ready for setting. Lambton Co., Ont.

Editor " The Farmer's Advocate
In reply to R. C. M.'s inquiry, how to kee very good luck by putting them in a bocke with a piece of cloth between each to keep therp day. In regards to the nest over every other he pen, hollow out a shallow hole, and the goose

GARDEN © ORCHARD.

## The Sppay Outfit

are threc of the of manipulation, and efficiency fit. Most of the orchards of the Annapolis Val essary too small to render with is the one most in evidence. These are carried around the orchard in all sorts of ways, from ing mounted on stone-boats, with one horse drag gug them, to large, four-wheeled farm wagons At Belvoir we have developed or evolved a perience. Some idea may be fained of it from the accompanying illustration. The overseer on the horse's back is not always necessary, but the nutshell." er the no a mire muzzle eating grass or ends of limbs. This is bet about check, since it admits of more freedom of man bran bags ripped. A rug, made of a couple of the whole horse and harness. The cart has a drop-axle. This allows the outfit to go under divantage of the low axle is that, swinging, as it does, below the line of wheel centers, there is strain on the girths, less annoyance to the orse and man on the platiorm, and is steadier in tough wheels are 54 inches high, thus going over ones, while the 3 tinch
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 ther times both the soung and ndult inssects seed Meens of Control -Kicep the plantation as free of trass and wexts as possile, and, when pruning,
ontch carctuly tor the the scars, cut them out and be sure to burn them. Sipraying is of no He. The Bhackbery Itent.initer. -In a consider.





believe

the writer has and the lartio in the groun
mown, hate been triced on the comtrol of this spraying the leaves very thoroughly with kerosen. Isted Stirring the carth beneath the planis he fall of the yar, just before the heavy rrosts cases
 canes, supposed to be winter.killed, prove, on more
carcetul obbervation, to hase been dosetroved thy


 Note -Many other insects of liess
importance
Itack bush fruits strom time to time diseases of currants and gooseL. Currant Leatstit.t.There are two kinds of

 diauen mixture will control these diseasess it ap.
 Qation of lime sulphir betore or at the time the
buds are bursting, (ollowed by
Bordeaux mixt ure It soon at the leaves are expanded if if arsenate
if tead or Paris rreen is andecd at this time, the Eurrant worm, is also controlled $A$ A secend appication of tior deaux
vould, of course. help preatly.
gre most parts of Dotario, and of the other prov-
inces of the Tominion, the growing of Finglish

 Caves. tender twigs and fruit both of the goose
gerry and of the currant, although it is seldom


 boots are likewise severely in inured.







 the wind through the arry nut sy the hiseal troved by spraying The only way to control the
Heans of Con ros. -he

tations are useless. The disease is easily identi-
fied, as it causes swellings or galls which vary
in sie from one-quarter inch in diameter to as
large formen large as two inchus, or even more, occasionally, The galls are rough and irregular in form, and injure the plants by interrupting the flow of sap
or by killing the part of the root below.
Means of Means of control.-If a plantation hadly attacked, there is nothing that can be done, fresh land, where there have been no raspberries Oor several years. The greatest of care should be
aren to select plants for this purpose that are ir possible, from flantations that are known to be I" possible, from phantations that are known to be
hralthy, and even then examining every root and

THE FARM BULLETIN.

Gilpoy's Holstein Sale wn but steadily gaining in popularity as a ion sale, on April 7 th, of the herd of A. A.
iilroy, at Gilen Buell. Ont, when 25 head, young The highest price, $\$ 510$, was realized the Carmen-Sylvia tribe, purchased by Dr. Har 2uc. The highest price for a bull was $\$ 400$, for by W. F. Filliot, Coleman, Ont. A half dozen of the animals sold were consigned by neighboring ,reeders, and a number of young calves were sold separatcly, which, if they had been offered with ge price, as many of the youngsters went close to, and some exceeded the century mark. A large
and enthusiastic company attended the sale, and bidding was brisk from start to finish Mr. Git hoy who is going to try his fortune in Alberta,
has for many years figured prominently among the leading Hisostein breeders of Ontario, and will be missed from their gatherings here, but has
the best wishes of the fraternity for a successful career in the West. Following is the list of sales Inha IVe kol Posch Beets; L. de L. HarWakland, Sir Maida (bull) ; W. F. Elliot, $\$ 510$ Coleman, Ont. ... ... ....................... 400 Sylvia De Kol Maidä; W.
Inka Sylvia De Kol
W. Flliot
F Inka Sylvia De Kol; W. F. Elliot
Iona Sylvia 3rd; John Stewart, Plum Hok Rhoda De Kol, J, Gilroy, Ilen Buell. Clintonia Gelsche Segis; W. F. Flliot .....
Ottile De Kol Jilroy

Clintonia Hartor De Kol. | Clintonia |
| :--- |
| Madoc | Rooney Bell 2nd; Ir. Harwood

Her heifer calf, born April 2nd; W. W. Flliot Lettie 2nd; Wm. C. Stevens, Phillipsville Torences Hengerveld; Brown Bros., Lym.
ountess De Kol 2nd; C. J. Giiroy
'auline De Kol Beryama Hammond, N. Y Kol: © Hollingsworth Lady Pietertje Beryl; F. C. Day, Gananoque Mutual Friend Nicolo; , Hollingsworth...
Nancy I.ee IVe Kol ; Sollingsworth Sally Marling: T, Itavidson, Spring Valley
Pictertie Korndyke Witkof (bull), March, 1.ettie Hengerveld Te Kol: Brown Bros, ('oral De Kol Frontier : Dr. Harwood

## Extracting the Wolf's Fangs.

## looks like success, is the paradox that seems al

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$\qquad$all, as appears on digging down into the insolvent
condition of these brazenly promoted concerns, andthe disastrous lausiness records of most of their
hares, intended for the public, and partially fed o them, have been rendered worthless, and the
companies forced out of business.. Two promoters have been landed out of business. Two promoters atest of these humbugs to appear in the limerher, a well-known firm of stock brokers, or, alled Pat now appears, bucket-shop operators, cad of which it \& Co., of Toronto, against the sutisfied judgments stand, aggregating many thouIt is a discreditable fact that the advertisewhich collapse so promptly under the stress of investigation, have been regularly carried in the frauds perpetrated. Fortunate, indeed, that we have a weekly press with lackbone enough not but to assail the authors of them, killing theif schemes by exposure as bacteria are killed by ex-
posiure to the sunlight.
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Saturday Night's campaign of exposure
 momoter that does serious harm to legitimate cial world, besides burning up money that would
wherwise find its way into sound investments

What Trunk Roads Would Cost and Mean.
Ditor "The Farmer's Advocate ":
The first week in March I attended the Good Tioads Convention, held at Toronto, and am
pluased that your paper is sufficiently interested解解 Believing the County Road System is not genNally understood, und that, because of this mis consinced an open discussion of the matter through the medium of a farmers' paper, such as ours, will do much to correct present conditions. With this object in view, I beg to submit the impressions I received at the Convention, and my The first thing that struck me was that the automobile manufacturers and owners have deter vention to induce the Legislature to establish a through system of roads for automobile traffic, using as a foundation for such a system the best
roads that have been built by the farmers of the Province which in Middlesex, at least, are not a mean type.
The second impression was that roads suitable for automobile traffic cannot be built in this coun
try at anything like a reasonable expenditure try at anything like a reasonable expenditure,
consequently should not be attempted, unless the consequently should not by attompted, andess the should not be built on the present improved roads.
Thirdly, and by no means least, I am quite Thirdly, and by no means least, I am quite
convinced the roads can be improved and mainconvinced the roads can be improved and main-
tuined, with reasonable expenditure, under the present county-roads system, for which reasonable improvement the preseat Government grant Under the regulations of the Public Works De partment, as at present constituted, it is no necessary for county councils to build macadam roads, although such roads, or even a better class,
muy. be built. Such being the case, it becomes matter for the county councils to decide what clast of work they will undertake, and also devise means and ways for the economic expendi
ture of the money used. A well-drained and nicely-graded mud road can be built, approximate ly, as follows: Grading and forming open ditches, $\$ 250$ per mile ; tiling and furnishing
outlets, $\$ 400$. total. $\$ 650$ per mile. This road will be very bad to travel on during wet weather, seat can be maintained for $\$ 8.00$ per mile for each Season. The next is the gravel road, costing the same for grade and drains, and $\$ 500$ to $\$ 800$ per mile for gravel, or a total of $\$ 1,15 c$ to $\$ 1,450$ per
mile. This road will rut readily in wet weather,
and. and, on account of its harder surface, will be more difficult to keep level, and will also require
aidlition of gravel, as occasion demands. Its per mile per year. stone, at a cost ranging from $\$ 1,000$ to $\$ 2,800$ per mile, depending on location, or a total cost of
$\$ 1,650$ to $\$ 3,450$ per mile. This road will rut in wet weather, and wear in fime weather, and is most difficult to repair, as the stone bonds so solidly that the ordinary grader or leveller is uspless, and the repairs must be made hy rolling
stone into the depressions formed. Should this
chacs class of road be neglected it becomes very rough, and will cost large sums to repair, or, rather, re-
huitd, whereas constant attention will reduce the
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THE FARMER'S ADVOCATE
road may be built, that is properly shaped and
thoroughly drained. Where gravel
properly treated, screened and graded, and con solidated in position on the crown of a properly
drained and systematically-formed grade drained and systematically-formed grade.
Where gravel cannot be secured, and stone is
available, either by crushing or shipping to near by stations, this can be used, and will make a good road, although at a marked advance in cost
over gravel roads.
Any of these Any of these roads will comply with the re-
quirements of the regulations of the Ontario Public Works Department, and towards their con one-third of their total cost. Under such conditions, I can see no reason why the roads cannot
be very much improved. On the other hand, be very much improved. On the other hand,
should the Government raise or establish a standard of through or connected roads, suitable for automobile traffic, and increase the grant to 50
per cent., farmers will discover they have paid per cent., farmers will discover they have paid
one half the cost of roads that will be utilized by drive them back to the adjoining concessions. No only this, but they will cost much more per mile or maintenance than our present gravel road to say nothing of interest on capital invested.
Brieny, my idea would be, first strengthen your
present road foundation by improving their drainpresent road foundation by improving their drain-
age, then form the grades so the surface water age, then form the grades so the surface water
will readily escape to outlets provided; apply the road metal, using the outlets provided a apailable, at a reason able cost, placing sufficient on old roads to com plete a perfect crown, and on new grades sufficient
to withstand the traffic the Consolidate the metal immediately after it is to and aim, at all times, to keep the roads as far as possible free from ruts and depressions.
CHAS. TALBOT, County Engineer

Huntingdon Heard from Again. April is here in May dress. Balmy days,
green lawns, opening buds, characterized the early
days of April. Our oldest resident scarcely can days of April. Our oldest resident scarcely can
recall such "lamb-like "conditions as prevailed
during the closing days of March sugarmalin was completed, and buckets lifted, ere anaking dawned-a fact unprecedented in our Province. The
season was short and season was short, and about an average one to
those who tapped early and got the first run. Those who tapped early and got the first run.
 superior to the make of last year. Prices ranged fromi 80 cents to 90 cents in tins, and 75
cents to 80 cents in buls evaporator has revolutionized sugarmaking, and
it is no longer the lnhorious ago. The mild winter and apparently early spring has been most acceptable to the dairymen.
Feed has been gaved thereby. Rough feed has the winter. An occasional furmer has heay to
market, thank to the full corn crol The many full silos were a boon to the dairymen.
Hay is changing hands at about $\$ 12$ per ton. many new composition feeds haice been pute, on the
market, but none of them can replace the ordinary production. Thern is "ronvect that feeds will
drop in price ere long, as much grain has been
held over, both here and in the West Many of our prominent stockmen, headed by
Dr. D. McFachran, of "Ormsty (irange." are ar-
ranging to hold a spring show at Ormstown, on
the 18 th of May. Although , 1lans are vet in-
complete, prospects bid fair for a good show of
stock. Mreeders of registered stock are meeting
with encouragement, as the demand for better
stock is widely increasing

The Maritime Horse Show
 Which the managementent have reason to toel trraud




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of duty mado
trat shacule, and are thereforere comuantw the beviea


New Brunswick Agricultural Progress.
The session of the Provincial Legislature, pro- Brunswick potatoes in Toronto, ${ }^{\text {attawa }}$ amd Mont
rogued on the 26 th of March, has done more in real markets, so that, although dealers were will a financial way for agriculture than any previous ing to give a premium for the New l3runswick
session in the history of the Province, the esti- product on account of its superior quality, yet mates providing $\$ 53,815$ for this service, against product, on account of it price was too low ior profitable shipment, and $\$ 44,865$ in 1909 . The following is the compara- some outlet had to be found, if at all possible tive statement of the appropriation for 1909 and Agricultural societies … $\$ 13,500 \quad \$ 1909$ Dept. Salaries and Expenses... $\quad 5,400 \quad$ 5,150 Encouragement of Dairying .-
Farmers' Institues and Edu6,500 6,500 cational Work
Encouragement
of raising ...... .................
Encouragement of Horticulture $\begin{array}{ll}\text { Encouragement of Horticulture } & 2,500 \\ \text { Extension of Markets } \\ \text { E,0C0 }\end{array}$
 $\begin{array}{llll}\text { Agr'l Commission and Report. } & 2,815 & 2,615 \\ 6,000\end{array}$
$\$ 53,815 \quad \$ 44,865$
New legislation has not been required to make the various changes in the Agricultural Depart
ment's work, as, under the Acts of 1888 and 1897 ample power is given the Commissioner for Agricul ture, with the approval of the Lieutenant-Gover nor-in-Council, to branch out in various directions
and employ such assistance and make such expen ditures as may seem necessary The suggestions, made in the report of the Agricultural Commission, which were largely endorsed lature, and the Farmers' and Dairymen's Associations, have been considered by the Government, and a substantial start made in the encourage ment of fruit-growing and the extension of mar
kets for agricultural products; the starting of new agricultural societies has been encouraged, and
and
the grants to them increased from $\$ 8$ and the grants to them increased from $\$ 8,000$, three years ago, to 813,500 for the present year. To
neeet the conditions of small localities, the re quirements for an agricultural society have been changed from 50 members subscribing at least
$\$ 109$ per year, to 25 members subscribing $\$ 100$ per year, to 25 members subscribing at least reach of many farmers hitherto debarred al though it is found that among the new societies organized, many are meeting the old conditions
The result of the encouracement mation of new societies has been to increase the number in the Province, within eighteen months To encourage the keeping of more sheep in the was amended, so that it is now legal for a person to destroy any dog unaccompanied by a person in charge, that may come on his or her premises a
any time. This gives a man who wishes to pro
tect his shean
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$\qquad$ is given annually to the Maritime Winter Fair,
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$\qquad$ America for the production of apples, pears and encourage this industry mpon a commercial basis, surow actively at work among the people, and
$\qquad$ will be folloned hy fruit displays next, and the Royal
Horticultural Show, I london, Fingland, and at that Waritime "inter Fair, with a vew of showing the people of eww Prunswick, and of the world
$\qquad$
$\qquad$ duction of this crop apparemtly all over the world.
and if people would doulde un their consumption and if penple would douple un their consumption
of this highlvenutritive vegetable there need not
he sulch a cry athout the high cost of living. This

Shippers first turned their attention to the Cuban
market, and, while the trade there was in the market, and, while the trade there was in the acilities were provided, New Brunswick potatoes would compete favorably with other supplies. The found ready to supply this need; then, warehouses were needed at St. John and Havana. The De partment gave a guarantee to the C. P. Rited up
of rent for two years, and the Company fited of rent for two years, and the The Department put mea in charge of this to heat and light it, and was also rented at Havana, to enable the holding of potatoes there. About $\$ 4,000$ will be expended
in these facilities, and fees amounting to $\$ 2,500$ in these facilities, and fees amounting to $\$ 2,500$
will be collected from shippers. While prices are now very low in Havana, the outlook for the fufure sale of New Brunswick potatoes there is in competition with the whole world. The daily demand of the Havana market exceeds 3,000 bushels per day. Experimental shipments have also
been made to nearly all the West Indian ports. Not much yet has been done for the encouragement of poultry interests, but it is proposed, in the near future, to employ a poultry expert, and encourage the industry. It is probable
eral poultry stations may be established.
The work of holding educational meetings wih be vigorously prosecuted through the year. Meetings have been held in Westmoreland fect of stimulating renewed interest in beef-raie ing, for which these countries, with their great hay marshes, are well adapted. These meetings thorthorn bulls is growing, that bids fair to bring this section back to its reputation of years It is proposed, during June and early July, to hold a series of fielit rovince, to take up in the fiela practical lessons Some attention also has been and will be given encouragement of beekeeping, and a specialist in duration upon this subject. whether for a short course or a full term, have
heir railway fares paid by the Department, and students have taken advantage of this pro While the revenue of the Province is small, and not clastic, and the various public services make
increasingly heavy demands upon it, there is a crowing feeling that more must be done to help to which it is entitled wo its great araa of fertile
soil and its admirable climate. Inder intelligent known, and the Province, as land values stan Early Seeding
bered for its early will doning seeding. be long remem earliest in twenty-five years. A. Fring grain was
sown there on March 26 th. He has litue says, when sown the first week land is in good states that seeding. A Grey Co. correspondent gimcoe Co., another writes that spring work be gan March 28th. From Brant County a sub-
scriber reports having sown on March 30th, the finished seeding on April 6th and armer Fssex it was expected that seeding would be com assert that 50 per cent. of the wheat crop in Manitoba and Serskatchewan was sown by April

The anti-racetrack gambling bill, commonly hare masority Miller Bill, has been defeated by a
bo House of Commons Commit first and serond clauses were passed, and Mr. Mil Ier. rather than have the bill go through i
mangled form. wished it dropped, but, on the sug
gestion of Mr. Fipelding and Compromise might vet be reached, hut it is expected "prosition to the bill developed in un
expected quartors. The fight is onlv begun. say

APRIL 14, 1910 THE FARMER'S ADVOCATE.


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## COMES EASIER

 have once made a start. A terest-bearing Savings Account at The Bank of Toronto,and you will quickly realize that thi, is the most profitable account you have; and your
money will be safe at this Bank.

Capital, $\$ 4,000,000$
mets $\$ 48,000,000$
Bank of Toronto
MARKETS



Chicago.
Cattle.-Reeves, $\$ 5.60$ to $\$ 8$, Texas
steers, $\$ 5$ to $\$ 6.40$, Western steers, $\$ 5$ to
$\$ 6 ;$ stockers and feeders, $\$ 3.90$ to $\$ 6.80$. $\$ 6 ;$ stockers and feeders, $\$ 3.90$ to $\$ 0.80$;
cows and heifers, $\$ 2.80$ to $\$ 7.10$; calves, $\$ 7$ to $\$ 8.25$.
Hogs. - Light, $\$ 10$ to $\$ 10.80 ;$ mixed,
$\$ 10.30$ to $\$ 10.85$; heavy. $\$ 10.35$ to
 choice, heavy, $\$ 10.45$ to $\$ 10.65 ;$ pigs,
$\$ 9.85$ to $\$ 1 \mathrm{c} .30$; bulk of sales, $\$ 10.50$ to
$\$ 0.80$. Sheep and Lambs.-Native, $\$ 4.50$ to
$\$ 8.25 ;$ Western, $\$ 5$ to $\$ 8.25 ;$ yearlings,
$\$ 5.30$ to $\$ 8.75 ;$ lambs, native, $\$ 7.85$ to
$\$ 9.50 ;$ Western, $\$ 8$ to $\$ 9.50$.

Buffialo.
 Hogs.-Heavy, 10.80 to $\$ 10.90$; mixed
and Yorkers, $\$ 10.85$ to $\$ 10.90$; pigs, and Yorkers, $\$ 10.85$, $\$ \$ 10$ to; $\$ 10.90$.
$\$ 10.90$ to $\$ 11$; dairies, $\$ 10.75$ to $\$ 20$. Sheep and Lambs.-Yearlings, 25 cc .;
lambs,
35 c .
higher; lambs,
$\$ 7.25$ to

British Cattle Markets. Liverpool and London cables quote live
cattle (American) frm, at 14c. to 15 cc .,
dressed welght; refrigerator beef, at 11 c . dressed welght;
to 11 \&. per 1 b .
$\qquad$ Lord Aberdeen, formerly Governor-Gen-
eral of Canada, who is resigning his
paition as Lord Lieutenant of Ireland. position as Lord Lieutenant of Ireland,
tells the following story against himself. tells the following story against himsel!.
He arrived at a certafn country railmay station, where he wus expecting a tolo-
gram to await him. "So I went up to Che nearest porter," says his lordship,
and asked him it he would mind inquir-
'al ing at the stationmaster's off
there was a telegram for me.
."'There's none for you, sir,', replied the
arter. 'I've fust come out of the office, porter. 'I've Just come out of the office,
and theres's only one telegram there, and hat 'J Ast thend A Heen. Just then another porter who knew
ae, approached, and I explained the
osition to him, remarking focularly that losition to him, remarking oxpularly that
rever porter ovidently did not think $\mathbb{I}$ he first porter evidently did not
ooked the part.
"ßy way of consoling me," concludes "Ry way of consoling me," concludes
Lord Aberdeen, "he promptly replied:
Never mind my lord, if you don't look
$\qquad$
"Why?" the man that doesn't like the
"So's
article will think there are too many peo-

That the "Awakening of China" is a subject which does not lose in inter-
est, is proof sufficient that the fears which coined the term, "the yellow paril," have a recognized foundation, may have passed into disfavor savoring of sensational journalism. Were the question simply that of the trial and educationa along incus event would be hailed with unmixed satisfaction by the progressive na-
tions of the Occident, ways the doubt, What will a nation so strangely chly in some re do ? President Taft does not conceal that he looks to the Western fro an address, delivered last week, one of our own influential men, Mr. J. A. Macdonald, of The Globe, expressed his conviction that be Armaged Pacific. In a recent editorial, Brit ish "Nation" notes the significan the Dalai Lama. "If the Thibetan have suffered, it is the Chinese wh have acted. That, after all, is some thing of a portent, to be classed with
the speaking ox in Livy. After centuries of immobility, amidst which the tradition of conquest and expansion had utterly decayed, China ap . These are but a few of the straws which show what men ar vaguely wondering. Recognizing thi article by "Scholasticus," will be read with unusual interest.

New Forces in Old China Consideration of the Forces No orking in China, Which Will Make it a Great Power.
(By Scholasticus.) Napoleon said: " When China is
moved it will change the face of the moved, it will change the face of the created by the whes forces at this very moved, it will change the face of the created by the new forces at this very
globe."
"/ Now exaggerate. They have to do no only with the future religious history terested, but in which we are all in terested, but they may be confidently
expected, in course of time, to seri ously affect the policy, the trade and commerce, if not even to threaten the very existence, of some European and other countries. The results of the
war between Japan and Russia have war between Japan and Russia have
banished forever the days when China and Japan were regarded by the sor called civilized nations with curios ity, mingled with a pitying conde
scension, and as childish foes, easily
frightened frightened and conquered, and as easily forced to obey the will and
carry out the demands of the Western powers. China has the largest population rn the world, so it is said cians cast doubt upon these figures and say that the British Empire, to which we are proud to belong, oc cupies the first place in this respect
However this may be there is this However this may be, there is this
impressive fact to be borne in mind that these 426 millions are not scattered all over the earth, as the vari-
ous States within our Fimpire are ous States within our Fimpire are
but are congregated in one country and present a aolid and united front to the nations of the world. Picture
for a moment the whole vast populafor a moment the whole vast popula-
tion of the British Empire gathered together in one great country, rich beyond measure in resources of all
kidnds, and you can imagine what a power for good or evil such an em-
pire would be. Think ot nearly onefifth of the whole population of the globe being able to act together,
without thousands of miles of dividing them, and there ou have the problem, and the crisis maybe, which, before a great many years
have gone by, will have to be solved
subject, the stupendous importance of a lively imagination, and has the girt men of intellect or brilliant talents Which, and ultimate effect upon the of a striking and picturesque orators. capable of learning and doing any-
whole world, it is impossible to con- How much of these he owes to
whole world, it is impossible to con- How much of these he owes to his thing they please, but their move-
ceive of, and, it may be added, to clever and noble royal English ments have been, hitherto hampered
exaggerate. They have to do not mever, and noble stop to inquire. by old prejudices." A less august,
mother, I will
Further, he is an artist. Some litule but yet a leading Chinese official, has Further, he is an artist. Some litule which attracted the a picture, one much by its skill in technique and coloring, but by the significance of its faster. We are slow to us to move meaning. On a projecting rock, il- you force us to start, people; but if meaning. On a projecting rock, il- vou force us to start, we may move
luminated by a shining cross, stand faster and farther, than you like."
the allegorical figures of the civilized the allegorical figures of the civilized
nations. At the feet of this rocky eminence lies the wide plain of eminence ties the wide plain of
Furopean culture, from which rise
countless cities, countless cities, and the steeples and
spires of churches of every denominaspires of churches of every denomina-
tion. But ominous clouds are gathering over this peaceiul landscape.
and a stifling gloom is overspreadine and a stifling gloom is overspreading
the sky. The glare of burning cities lights up the road by which the bar baric hordes of Asia are seen to be approaching. The Archangel Michael
points to the fearsome points to the fearsome foe, and waves
the nations on to do battle in a sacred cause. Underneath are the
words. " Peoples of Fing words, " Peoples of Europe! Keep
guard over your most. cacred trea ures !." This may be an exaggerated picture. but, at all events, it depicts in a forceful manner the disturbing thought which for years has been
rumning through the minds of the world's deepest thinkers, and which has given rise to that expression, now so familiar to us all, "The Yellow
Peril."
Probably not to take the German Emperor"s antagonistic view of the advancing
$A$ to which objection of Asia "-a term reasons which will be given later on but rather to alter his stirring inExtend to, "Peoples of Europe : all nations of the carth. as Christ has commanded." Another Emperor has spoken upon this subject, and his
words should command tion. for they comme from the lipe of a man who should know whereof he
spoke. It was an make. It was an Emperor of China
also said, in reply to a remark from clusive proof of the changed cond tions in the East, and the tremen dous issues and forces bound up in saw fit to enter into a far-reaching treaty with Japan, a country which is having, and will continue to have, immense influence upon China.
Thus, we have tremendous Thus, we have tremendous latent when once trained and equipped in
European methods European methods, may be capable o Moreover, the population cannot fair Countlescribed as a barbaric horde Countless centuries of training,
parts, at least, of what we call lization, has rendered the Chinese far superior in mental calibre to the of India, and the inhabica, the natives so-called uncivilized countries of the air of sunerion to look down with an whose antiquity goes back country can definitely say how far; it is one an the dim hazes of the past; upon curate and recorded observations be are Abraham left Ur; who used fire tian era: who invented printing 500 rears before Europe; who discovered the principles of the mariner's comacks, and whose many other scientific livation of the whole world. But,as Che wise and observant Fmperor of - Their movements have referred, said pered hy old prejudices." been har is


APRIL 14, 1910
Judices should arise in a nation so old, so self-sustaining, and so inten
ionally isolating itself from inter scorn of " foreign devils ", should be born and bred. Many of us may, was of comparatively recent origin but it really dates back to centuries ago. A Chinese historian states
that the old sage monarchs treated that the old sage monarchs treated nations-as birds and beasts they did not contract treaties with them,
nor did they attack them. To form a treaty was, they said, simply to attack them, was simply to wear out the troops and provoke raids. Coming down to recent times, the treathands of foreign nations, the terri tory which has been taken from her, the indemnities which she has been
forced to pay, the ports she has had to open, and the treaties which she has been obliged to sign, could scarce ly be expected to change the views
of this old nation; and the terrible Boxer troubles may be taken as an
outward and visible sign of this prejudice. Yet, a new force has been at work, which is already beginning
to show good results, and which perto show good results, and which, per-
haps, may, in course of time, entirehaps, may, this prejudice. This forc
ly remove
-this, comparatively speaking, new force-considering the age of Chinu enter into commercial relations with the Chinese, for, unfortunately, the impression left upon the mind after
reading about these, is that for many reading about these, is that for many
years after their commencement, they must have been only productive of a
contrary effect. This beneficent new contrary effect. This beneficent new
force was the missionary. As ha
As only established churches and planted
schools, he has written books, and schools, he has written books, and
translated other books, and introand pioneered the way for commerce
and civilization." It is thus, in this way, that the missionary is the force which has shown the
break down prejudice. As has been said, the missionaries
planted schools, and there is very
little doubt but that by so doing little doubt but that by so doing
they fostered, if they did not originate, the movement, now so marked
in China, for a new and better education. Dr. Lowry, the President of Pekin Uni versity, has said that Chris-
tian schools were established in China long before a system of modern edument, and they have been largely in strumental in the adoption of the
new educational policy. This is one of the most important new force
which is at work in old China. To appreciate and thoroughly under
stand the marvellous change which is now taking place in China, it mus system there has been in continuch twenty centuries. Anstruction, examina-
 1engthy commentaries upon these
written by old Chinese sages, formed
the only text-books, and constituted practically the whole curriculum. The
old schoolhouses have been described as dark, dirty, ill-kept rooms, geper
ally parts of ancient tomples: whild in letting the boys toil away at their musty old books, all reading aloud
often shouting at the tops of thei voices, and going over and ove
ayain, in order to memorize word
which had absolutely no meaning to them, it shoulat howew win, in tren
 nol the stulution so simut their


IHE FARMER'S ADVOCAIE
might be given if space allowed
To commit to memory every
line of the confucian classics and a large portion of the commentaries
a to be able to write these, and poems on selected texts, with faultless dic-
tion and penmanship, has constituted the course for all Chinese scholars, highest degree in the Empire. This same system has been the basis of
competitive examinations for twelve hundred years, for entrance to the didates have gained the highest of ficial honors in the Fmpire. Curious the effect on the millions of unsucCessful candidates of such a system havopean diplomats and others who these Chinese officials state that they are possessed of a high average of in-
telligence, and are generally well eqipped to manage state affairs. No dered the abolition of this venerated and certainly most antiquated sys-
tem of education in the world, and tem of education in the world, and
there may be perhaps a happy augury for us in the fact that old temples down, in order to make room for new, large, light, bright, clean
schools. place, but a peaceful, quiet, bloodless of the chief virtues of the (hinese to (To be continued)

The Windrow Over 60,000 tourists arnived in
Sicily last week to see Mount Etna There is but one railway in Persia the capital with a shrine. The Transandean tunnel, through
the Andes, between Chile and Argen-
tina, was formally opened last week. Practical tests of the Brennan momo rail, or one-rail system for railways
recently held in Fngland, have beer most successful. A gyroscope at-
tachment to the cars provides staA sanitary motor-car, fitted with
all the necessary apparatus for disall the necessary apparatus for dis
infecting contaminated places, to be used in rural districts or thinly-set.
tled communities, has been devised in Ex-President Roosevelt is making a memorable tour through Furope He
has been entertained by King Victo
Fand Emmanuel at the Quirinal, and will
be the guest of the Kaiser when he At Sholapur, India, there is a fac
tory which is making matches from tory which is making matches from
kind of grass. In view of the fact
that lumber for making matches becoming scarce in many parts of the pecial interest. Owing to the many recent fatalities
attending the flying of aeroptanes, a new type, composed of airship and vised by a Frenchman, M. ('mesar.
The vessel has been successfully tried
at Issy-les-Moulincauy A Japanese religious paper states Protestants, and 88,000 (ireek and
Roman Catholics, out of a population of 50,000, ,000. There are still
288,010013 ddhist temples and shinto
shrines to 1,675 (hristian churches In London Town.

Hope's Quict Hour
The Vision Draws Us Near Our Fellows.


Even when they were visibly beside us, it was really the soul rather than the
body that we reached out to touch, in the gladness of holy fellowship. If love
were dead, what passible satisfaction
could there be in such outward signs of could there be in such outward signs of
"the sacrament of friendship" as the
clasp of a hand or the sight of a tace. It would give pain instead of joy to have.
the outward sign, if the inward grace the outward. sign, it the inward grace the real person is always out of sight-
as regards our bodily sight-and can only as regards our bodily sight-and can on
be seen and touched by spiritual senses. " I have not seen thee, though mine eyes In vain, through form, I strive to trace The soul I love: that deeper lies." Those who walk with eyes lifted to
their dear Master's face, find that the hearts and spirits of their friends-who
are like-minded-are mysteriously linked are like-minded-are mysteriously linked
With their own. Our nearest and dear-
est are always beside us. Reaching est are always beside us. Reaching up
to God continually, for us, they pour
new strenkth and joy into our lives. We new strength and joy into our lives. We
rest confidently on their love, and walk
always side by side with them in the always side by side with them in the
sweetness of real fellowship. If you
know the joy of having friends who are know the joy of having friends who are
drawing you ever higher into clearer fel-
lowship with "passeth knowledge,", then keep fast hold of these messengers from God. Such a
friendship is not an easy thing to hold If you are trying to take all and give litt then you are cultivating selfishness in-
stead of friendship. Give etrong love and earnest prayers, and anything else
and
that friendship may demand. But. it yat friendship may demandik Christ,
you have a friend who is like
and who is helping you to grow lik Christ, never let him "slip unawares" out of your life-though it may cost you
all you have, even to tife itself, to hold
tact to him. For such a friendship is all you have, even such a friendship is
fast to him. For sure. Though you may
eternal in its nature. be far apart in body, prayer can keep
you always close to
a friend; and a
bodily parting is a
very small thing
$\qquad$ Thits go on rivening through all eternity. On holiest friendship, can never the parted faithful to the other.
The best way of touching those who are "on the other side of Christ," is to,
minister to Him through His "lirethren,", who are still visibly near us. And
thoomy service is hardly worth oftering or Coppting. If you can't realize anything
the joy of Paradise, if you find it im-
$\qquad$
$\qquad$



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 $\mathrm{E}^{2}=\mathrm{zz}=\mathrm{x}$ $5 x^{2}-2=$ $=\mathbf{E}=\mathbf{y}$ $=\mathbf{v}=\mathbf{w}$ ，
THE SUIT LLLUSTRATED
$\qquad$

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It means that Purity Flour made entirely of the highest－grad flour parts of the strongest whea in the world
and means a high－class，strong flou and better bread
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manship, can spend several manship, can spend several days at it if she wishes, then
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year's garment than to shop for new materials. And with a few up-to-date year's garment than to shop for new materials. And whes dress correct in color and style.
patterns you can have new dresse patterns you can have new dresses correct in color and style.
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|  | One side of the garden, where the tan |
| :---: | :---: |
| d all the garden lore 1 could it | d been the worst, I took for my pump- |
|  | around the roots, and the weeds would |
| imited |  |
| h the things I undertook | was |
| begin with I secured a plot of | Was not hard to keep it all clean. ed Japanese pie pumpkins, and, |
| often to peep in the window | they did not grow large, every one was |
| he baby was all right. It w | good, ${ }^{\text {a }}$ |
| pieco of sod plowed in the tall, and | Popcorn was planted next to the pump- |
| ${ }^{\text {ing had been done }} \mathrm{a}$ |  |
| grown up in spots with grent masses | ${ }_{\text {vent }}^{\text {at mixing. }}$ |
| thistles, milkweed and golden- | Early" and ". |
| It had been a calt pasture, |  |
| hoped would turn out all right. So | use as the former was do |
|  | a succession of of sweet Wlaced the kernols eixhteem |
| ture no tarther trom the house, so | in the rows. From one kernel, many |
| cided to run the risk | stalks came up, also "suckers." Some |
| proved that this | one told me to pull these latter off and |
| he ground was so long drying that | some trom both sweet corn an |
| was the end of May before it cou | but for lack of time gave up the task |
|  | tound with both klins of corn, that the |
| , and arter that 1pran |  |
| needed for vegetables. so ${ }^{\text {a }}$, chose most awithul |  |
| most suitable part to sow my seeds, and hait the rest fulled in with yonato | many small ears, which were just as good to eat. ${ }^{\text {a }}$ ( kept the corn well |
| planted everything in rows, as tar a | hilled, as, in tact, I did everything-owly |
| as |  |
|  |  |












 mill. anok. Some theople like them moving, and had good roots, so never
$\qquad$
$\qquad$
$\qquad$
$\qquad$

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Made a variety of magnificent designs. Our calallgues show the New
Scale Willams Player Pianos in Scale What Write for free coppes and
detall. Whal
particulars. of our plan of easy particulars
payments.
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Every machine guaranteed to the customer. Unsolicited testimonials received every day. We will send our Booklet on request. Enquiries invited. $\boldsymbol{\pi} \%$ * $\%$ *
R. A. Lister \& Co., Limited TORONTO.

PREPARE NOW TO MAKE EVERY MINUTE COUNTATHARVEST TIME
$\mathbf{F}^{\text {OR you must make every minute count then to be sure of getting the }}$ full proit from your acres. Smooth, rapid, uninterrupted work is a ne necesity when the grain is ripe for cutting. Every delay due to a slow. inefficient broken-down machine will rob you of a part of the reward yo
have a perfect right to expect. Yo nave used great care. in preparing the ground-sowing the seed-
caring tor it while Don't, through lack of foresight now, run any risk of making valueless at
harvest time the hours of labor spent in prenaring for it Be prepared to get all the crop with a McCormick.
It does not matter, a McCormick Binder will pick it up quickly and binc
it in the best possible shape. The McCormick Binder is made to meet the requirements of the Cana
It does so It does so as no other machine does. It
has stood the test of time., Its light draft,
strength and uniform good work will permit




APRIL 14, 1910
hat is a v
ng to keep
heroine to weor the same old gown for several seasons in thise day of changing ith a little it modernizinetter to do so, ith a little modernizing and cleaning, han to go into debt for a new one or
buy it at the expense of something else more necessary, and she who so ascends
bove caring for public opinion bove caring for public opinion, and is willing to assert her own individuality
nd independence in this way, has won victory of which she may well be proud. It is right, of course, that we should hat we should strive to be just as neat. s," eaye "Carlyles by have made men of elsdrockh, "they are threatening to make
clothes-screes of us." and he spoke
$\qquad$
We should look to these things with
kood semse and moderation. If we have
good sense and moderation. If we have
a spending allowance of only fifty dollars
a year or less, we should not try to fors-
ow in the footsteps of the woman who
有
wardrobe. If we are wise, however, we
teed not look so very antiguated
in our old things. We will realize that
we must mever, mever, never, have a dress
made in any extreme mode, as extremes
are eure to go out of fashion soon. We
will huold to outher
will hold to rather conservative styles,
nuch "im" the fashion, we will have the
satisfaction of kowing that we are never
very much "out" of it. The talilored
hirtwalst, with slightly-full bishop sleaves
111 length, is ong of ly-full bishop sleeves,
styles; with a skirt of the same material
uit, Which, with pretty ties and collars

with medium-length plain coat and plain
kirt, the long plain that
skir, the long plain coat of "ulster"
design, and the hat that is neither too
come in tho smane cate are other items that
comer
vear. protery dressy
fulfy
wear, pretty fulty things, For dressy
quarter or elbow tength slenveg three-
quartar or elbow lengths, wleeves for the
young, mever look out of place.
young, ever look out of place.
For children, every economical mother
knows about "making down," so let that
For the house, devices are endless, and
many of them must depend upon one's
own ingenuity. You know, of course,
hat paint or stain is chewerer than corser
bet for living-room, dining-room and bed-


It seems hard to believe, yet that is the sum of money that a coat of Itin Senour Paint $100 \%$ Pure added to the selling price of a certain house. For several seasons, a shabby weather-beaten house had been offered for sale. There were no buyers until a shrewd real estate broker purchased the property and, with a single coat of paint, magically changed it from a shabby house to that of a home of dignity - a home of comfort and elegance; furthermore, he sold it within a very short time clearing $\$ 1,000$

Nothing so preserves and maintains the value of your property like

## Martin-Senour Paint 100\% Pure

Whose mission is to paint your buildings uniformly, economically, safely and surely The The coat of Paint made the sale. Don't let your property epreciate in value for the need of paint

If your dealer cannot supply you, notify us and e will gladly direct you to where our paints are to be had.

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Write for illustrated booklet, "Home Beautifu," and interesting color card. Free for the asking The Martin-Senour Co., (Limited) Montreal Pioneers Pure Paint


Has Saved Money for Others. Will Save Money for You.

The "Premier" is not a low-priced cream separator. It is the cheapest yet made to give satisfaction to the customer. See it before buying. Book of unsolicited testimonials on request.

The Premier Cream Separator Company TORONTO, ONTARIO.

EASTERN BRANCH: ST. JOHN, N. B.


New Edison Records for April.
On an increasing number of farms, phonographs are now to be found. A good phonograph and good records, and you are provided with entertainment in
plenty. The April list of recorde in-
cludes selections from Grand Opera, rag-
time
telotodies, songs, sacred
numbers time meladies, songs, sacred
and receitations, numbering 45
n
in all. There are five Grand Opera selections, Grand Air d'Agathe, Flower Song, Waltz $\begin{array}{lll}\text { Song, Brindisi Aria, and } & \text { Blick Ich } \\ \text { Umher, trom "Tannhauser." } & \text { Among the }\end{array}$ lists we note especially selections from "Babes in Toyland," by Victor Herbert's orchestra; "Sheridan's $\begin{aligned} & \text { Ride," recited hy } \\ & \text { the actor, Edgar L. } \\ & \text { Davenport; } \\ & \text { DThe }\end{aligned}$ the actor, Edgar L. Davenport; ".The
Thunderer and Gladiator Marchas,", Thunderer and
Sousas's Band; "Ladiady ior Marches," hy
Love," a
a
 American Sumphny Oresestra, ..
Rather Say Hello than Shay Good-hye Rather Say Hello than Say God-bye
by Manuel Romain , To
bo mild Rose
and
 son by Edward M. Favor: and "Miss
Liberty March," by the New York Military Band.
"The Farmer's Advocate

$$
\begin{aligned}
& \text { armer's Ad } \\
& \text { Fashions. }
\end{aligned}
$$



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hatistes, lawns,
voiles, marquisettes, and crepe do Chines


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| POUNTRY |
| :--- | :--- |
| CEGGS |






 $\mathrm{B}^{\wedge \text { RRED }}$, Rock F. Fgg - From





















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| Pleasant Valley Farm offers WHITE WYANDOTTE EGGS |
| for hatching from 2 pens of grand winter layers. Large white birds. $\$ 1.00$ and $\$ 1.50$ per 15 , $\$ 4.00$ and |
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|  |

GOSSIP
for benning's Ayrhike sale
pril 2nth, of the noted Glennurst herd ty of James Benning, williamstown Tengarry County, Ontario, should inter-
it Ayrshire breceders and dairy tarmers irroughout the Dominion. This is one
it the oldest and one of the best-working erds of this great dairy bred in Can-
da. haviny been bred tor size, constituda, having been bred for size, constitu-
ion, type and production. It is also, Inertcently one of the largest herds of
 of the very best, while tor tuantity
hd tuality of milk, the cows rank high
 ains going, and the event will prove o
avoruble opriortunity to securo new bloon
and Toundan ion stock. $\begin{aligned} & \text { Note tho } \\ & \text { date } \\ & \text { orit 20th, and send tor the catalogue. }\end{aligned}$
morn: holstern meconds.
Newspaper reports tell of yet another
thenomenal oficial seven-day record of a
Lolstain-
$\qquad$ months and 23 days, is said to have pro-
duced in $a$ seven-days' test over over
pounds of milk a day, and a total or

 (Mnt.) Correspondent. who calls himsolf
(Ono of Your Subscribers.", He reporte



> Revisfil live-stock breeders'
 puron of the Directory of breeders of
pure-bred live stock in Canada. Accord ing to tho preface page, the work if ed
compilation of intormation recoived throunh correspondenco trom breocers in in
ail the Provinces in regard to the size
 of males and temales of the several breds
ithe have tor sale. The Directory
treparcad to nssiat
 neipharhoors, or in astant provinces
trom which pure-red animals may be
procoured. Copies will be sent to ranch men, stock breeders, secretaries of formers' institutes, argricultural societios, live
stock atsoctht
apply
tor them thems, and others who ma, -Where have you been for so long?



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Roofing
loofig. Send stamp for sample. and
HAMILTON MICA ROOFING COMPANY


APRIL 14, 1910

GOSSIP woodbine holsteins Woodbine Stock and Dairy Farm,
property of A. Kennedy, Ayr, Ont., pred about four miles south of Ayr, Paris, G. T. R., is connected with long distance 'phone, and particularly wel dling of the large herd of Holstein han ding of the large herd of Holstein cat
and their milk products. This great he and their milk products. This great he
was established 25 years ago, on the be loundation then procurable, and has al
ways been headed by sires rich in offia ways been headed by sires rich in official
backing, with the inevitable result that the herd to-day show the effect of that careful selection of stock bulls in their and large-producing ability. None them in Mr. Kennedy's hands have been officially tested, but they certainly are herd over one year of age are daughters that richly-bred bull. Sir Mechthilc whose dam, Altje Posch, made the bi
kest two-day public test mader Canada, namely. 8.6 lbs. ever made brother to the two great cows, Alta Posch, 27 lbs. in seven days, as a two-
year-old, and Mercena 2nd, 27 ans seven days. The dam of this bull is has a record of 27 lbs. The present tock bull is Sir Creamelle, a son
Duchess Ormsby
Hengerveld 'rince, many of whose daughters are not in the official records, be by Duches
Ormsby Prince, the sire of Queen Orme hy, whose seven-day record is 28.393 lb
with a butter-fat test of 5.13 per cen puchess Ormsby Prince is also a son o duchess Ormsby 3rd, whose record
2.33 lbs., and she is the dam of Duches 'iebe De Kol, whose record is 29.44 lbs ecord is 24.44 lbs. The dam of Sir
Creamelle's sire is Duchess Ormsby 2nd's Hengerveld De Kol, with a record
19.013 lbs., as a two-year-old. 19.013 lbs., as a two-year-old. She is
a daughter of Duchess Ormsby 2nd, with a record of 21.313 lbs., and she in tur is the daughter of Duchess Ormsby, who
has five daughters with records that average 19.967 liss. The dam of Sir Cream-
lle is Creamelle Hengerveld, recors
Ile 21.257 lbs . in seven days, and 86.33 in s a grandson of De Kol 2nd, whose rec o De Kol Creamelle, whose record 28.131 lbs A perusal of the above wall
show the intensive breeding of this bull show the intensive brection owich must
through several generations, win is that the rmshy strain of Holsteins is par exc ence the greatest producing strain of
reed. For sale are a number of bu
Fol alves sired by this great bull; also
number of two- and threeyear-old heife TRADE -

## Monarch sitive fence

 This is quite apparent if you remove thelock, and is sufficient to make the wires
an easy prey to frost, snow or heavy
strains.
The fence with no hidden weaknesses

Why do you see so many broken fen
wires? Nine times out of ten they are the
result of hidden weaknesses weaknesses
the purchaser was unaware existed. result of hidden weaknesses-weaknesses
the purchaser was unaware existed.
These weaknesses are result of inferior grades of wire-unduly kinked laterals-
severely-applied locks. By severely severely-applied locks. By severely-applied lock
we mean locks driven DIRECTLY over the place where stay and strand wires cross. This tremen dous direct pressure bruises and injures the wires.
 Now, in the Monarch, the lock is applied
DIAGONALLY with the strand which means
there there is no pressure applied at the crossing.
And the ends of lock are neatly hooked over the strand wire. Thus the Monarch lock is prevented from spreading or loosening. And
the fence is made of best grade No. 9 Hard Coiled Wire. Also, there is no undue
kinking of laterals.

## No Hidden Weaknesses in the Monarch weather, animal or man.

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## The Safe-Lock Fence More Asents Required

Has a "Safe-Lock". for three reasons

| 1st.-It locks to stay where it is put-won't slip. <br> 2nd. -It is made of No. 9 Hard wire, therefore is as strong and will last as long as the rest of a No. 9 wire fence. <br> 3rd. - The strand wires are left absolutely straight (excepting the coil spring), and on this account are two hundred pounds stronger than a kinked wire. <br> For clearer illustration see detail lock. "Nuf sed" by us-you do a little comparing now. <br> The Owen Sound Wire Fence Co., lta., $\begin{gathered}\text { Owen Found. } \\ \text { Ontarlo. }\end{gathered}$ |  | Energetic men will find our line of fencing and gates the best selling on the market. other agents have two such superior and different fences as the Monarch and Safe-Lock. In comparison with other agents, our representatives have double the chances of securing an particulars. |
| :---: | :---: | :---: |

Kills the Bugs.


BUG DEATH CHEMICAL COMPANY, LIMITED
St. Stephen, New Brunswick


PLEASE MENTION THE FARMER'S ADVOCATE.

 There are many proprietary articles There are many proprietary articles or
one kind and another orn the market
whose chief recommentation is that the whoso chief recommendation is that the
are simple and easy to apply, the are simple and easy to apply, thoir
efficiency being less than that at charee
enoment

 rule is Bug Death, made by the Bu
Death Chemical Co, Ltd.,. St. Stepher,
N. B Death Chemical co., Lta., St. Stephen
N. B. As a tratiment for the potat
bug, this preparation can scarcely be to bug, this preparation can scarcely be to
highly endorsed. In experiments at put
lic stations it has proven very effective lic stations it has proven very effective
not only against the bugs, but to a con
siderable extent against blight and ro siderable extent against blight and ro
as well, going to ensure a larger yiel
of potatoes than does paris
Or of potatoes than does Paris green
Probably one reason for this (over an
above it atove its fungicidal virtue), is that
does not harm the foliage of the potat
whereas Paris green frequently does, whereas Paris green trequently does, to
greater or lesser extent. It is als
claimed to have a slicht fertilizing value. claimed to have a slight fertilizing value
However that may be, Bug Death ma
be confidently recomended be confidently recommended in preforens
to Paris green, and the only reason it
not widely advocated by public author
n not widely advocated by public author
ties is the objection on general principle
to the recommendation to the recommendation of proprietar
articles. It is used extensively in th
Maritime Provinces, in Quebec, and th Maritime Provinces, in Quebec, and
some extent in Ontario, where its sal
may he expected very largely to increase
now that it is being once more advertise this article has used Bug Death with
sults which completely overcame sults which completely overcame
initial skepticism, and this is likely
be the experience of anyono be the experience of anyone else who give
it a fair trial.
it adve advocate
it
primarily for potatoes, it is now claime to its merit for this purpose, wee conn
speak from experience, but it is our tention to test it this year. It may
applied very conveniently in the form
a dust, and for potatoes, the Faruha
Dust Motor may be used to rows at a time, as fast as a man ch
walk. We strongly advise potato-gro
ers to write the Bug Death Chemical Co for any further particulars desired re
garding Bug Death, and the Farnhan
Dust Mutor. Dlease mention this paper

GOSSIP
PETERbo
At a
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QUESTIONS AND ANSWERS Miscellaneous.

CEment Paint


## CHOKE HIM On Facts

When you get tired bearing agents or
makers of common cream separators excuse makers of common cream separators excuse
the needless disks or other contraptions
they they use, just choke them on facts that
thisprove their claims. If contraptions were necessary,
how do Sharples Dairy Tubuhow do Sharples Dairy Tubu-
lars, which have none, produce
twice ihe skim. ming force,
mkim faste skim faster
and several
times cleaner himes cleane
than commor
separators? separators
Why do
Tubalars probably
replaoe
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mon separany one
maker mo Tubular sales easily exceed most, if not
doll, others combined? Why is the manu-
alt facture or $i$ insurars These facts a ane inviniecible
proofs that Tubulars sre The World's Best.

THE SHARPLES SEPARATOR CO. Toronto, Ont. Winnipogo Man.


Ontarioloan amd Debenturec DUNDAS ST.MMARKET LANE
Couranis comara
Is absolutely pure, strong and healthful. Delightful in firvor, nourishing, economical. Cooos should be boiled three or four minutes in either mile best results.
The Cowen Co. Limitod, When Writing Mention The Advocate


Please Mantion this Paper. -

## Four minute Records for the Edison Phonograph

When Mr. Edison invented the Amberol Records he invented the longest Record ever made for a soundreproducing machine. But the Amberol Record is not only longer; it is better. It is made from a new com-
position which makes a more perfect reproduction of position which makes a more perfect reproduction of music he oice than any known method An Amberol Record in an Edison Phonograph is strumental music that you have ever heard of a song or a piece of But do not acept ont surne
but do not accepp our statement. Go and hear it. There is 2 dealer near you. Hear the Edison Phonograph and compare it with
other instruments before you decide ment as to whether you can buy anything for the price that will pive you so much real, genuine fun and pleasure as the Edison Phonograph. Rdison Phonographs
Edison Standard Records
$\$ 16.50$
 your dealer or from is.

Buy the Harrow with the greatest capacity and the lightest draft


## -



## QUESTIONS AND ANSWERS <br> BEE QUESTITONS. 1. When a swarm issues, does

Had Weak Back.
Would orten Lie in Bod For Days, Soarcely Able To Turn Hersolf.

Mn. Aroh. Schnnere, Black Point, N.B. Writes:-"For yearr I was treobled witi bed for dayn, being soarcely ablo to turm
 houssohold duties. II had doctors antend-
ing mo without avail and tried linimento ing mo without avail and tried liniments

 ${ }^{\text {mind work }}$ I am pooitive Doan's Kidnoy ould ad vise all lideney wifferers io givi DOAN'S KDNEY PTLIS aro a purdy Mostable modicine, realita ${ }^{\text {quidek }}$, per
 Dinend all formo al Kidiney and Bladdor Pioce so one por bex, or 3 for 81.25


"ELECTRO BALM" CURES ECZEMA,
1 iso Piles, Burns, Scalds, Chap-
entlemen use ft after shaving. This salm is hand led by the best thr. have used It
Write for Pree Sample
soc. a Box at all Dealers or upon recelpt THB ELECTRIC $\begin{gathered}\text { of Drice, from } \\ \text { BEAN }\end{gathered}$
 he following reply to a question as 'I didn't went, I didn't want to went

## THEY TOOK HIM

## OUT OF HIS BED

Dodd's Kidney Pills Cured M F. McAuliffe's Lumbago.

Lachute man, after fourteen years' Suf lering. finds Heallh and Strength in
an old reliable Kidney Remedy.
$\qquad$ After fourteen years of suftering, which
started from pleurisy, followed by dropsical swellings, and culminated in Lum-
vago, and confined him to his bed
$\qquad$ ni, "I am sure I owe it entirely t.
$\qquad$
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STEADY AS A ROCK! THE SQUARE GEAR
Magnet Cream Separator
The double-supported bowl cannot wobble


You will find its frame strong and rigid It is run by square gears, and
you know that all good machines you know that way.
are built that Its steel bowl is supported at
both ends (MAGNET Patent). both ends (MAGNET Patent).
All other separator bowls have All other separator bowls
only one end steadied.
The skimmer in one piece (easily cleaned) takes out all the butter
fat, and also separates the slime ard foreign matter. Cream Sepa-
The MAGNET.
rator delivers The MAGNET Cream
rator delivers good thick cream
every day. bowl, stops it in eight seconds,
preventing wear and saves time. The MAGNET owner can in-
crease the capacity, when be gets crease cows, for a few dollars, by
more changing bowl and skimmer only.
chat changing bowl and skimmer only.
No matter what cream separator
a man experiments with or buys a man experiments with or buys,
he will finally settle down to the MAGNET, and when he does hi
separator troubles are at an end. Why not buy a MAGNET at first and avoid trouble
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letters and documents must be writletters and documents must be writ-
ten a typewriter operator must fidence in her
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\end{gathered}
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## Gombault's

 Gaustic BalsamThe Worlds Greatest and Surest Veterinapy Remedy HAS IMITATORS BUT NO OOMPETITORS!
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SAFE, SPEEOY AMO POSIIVE.
$\begin{gathered}\text { Supersedes AIIC Catery or Fir } \\ \text { inge, lnvaluable as a CURE for }\end{gathered}$
Wi. garanto that one tablepoonfar of Contile Fing. Invaluabe as
FOUNDR
WIND PFFFs
THRUSH.
THRUSH,
DIPHTHRIA,
SKII DISEASER
RINGBONE,
PINE EYE,
PI
PINK EYE,
SWEFNY
BONY TUMORS
LAMENESS FROM
SPAVIN
OUARTER CRACKs
SCRATCHES SCRATCHES,
POLL EVIL,
PARASIT
RAMOVES
REMMOVES
BUNCHES of
BUN
BLEMILHES,
SPLINTS
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CAPPED HOCR.
SIAFE FOR ANYONE TO USE


The Accepted Standary VETERINANY REMEDY Always Rellable

the begt for blibterine.
Iharo ama dornutrs cuusto nisi


## Sole Agonts for the United Statos amel Oanada.

 The Lawrence-Whllams Fo. TORONTO, ONT. OLEVELAND, OHO.20 Imp . Parcheron Stallions 20
 HAM Simcoe, Ontario

I. H. HASSARD'S NEW IMPURIATION!


Clydesdale Stallions and Fillies
 previou importhioio canill nd T. H HASSARD, Markham, Ont. LYIDENIDALES ANID HACKNK:S


 ORMSBY GYANGE STOCK FARM, URMSTOWN, P. QULORMSBY GRANGE STOCK FARM, URMSTOWN. P. QUL
 HACKNEYS IMPORTED CLYDESDALES AN C Clydedale stallions and flliese, an


## Truth About Roofing

The first edition of "Truth About Roofing" has been completely exhausted. S we have been compelled to publish a second edition of this famous exhausted. So
is an improvement on the first edition. It goes right to the "heart., This problem. It tells the truth about wooden shingles, prepared roofing, slate and steo shingles. It shows the cost per year of service of the different roofing matertials
which is the only method of arriving at a correct conclusion as to which materiat
is the best roofing investment. It explains the British Government whid then is the best roofng investment. It explains the British Government's Acid Test anin
our Free Lighning Guarantee.

## DRESTON sarlicocr shincles

## taken pains

on this bookle
really charge
Mal SHINGLE \& SIDING Co., Ltd., Preston, Ont
QUESTIONS AND ANSWERS
Miscellaneous.




stockiverand Horse Exchange west toronto, canada
 Auction sales of Horses, Carriages, Harness, etc...
Monory and Wenessay. Horses and harness on


CLYDESDALES and HACKNEYS



sement IP.O.Addres
by mal County
$\qquad$

## No Lame Horses


$\stackrel{\text { CURES }}{=}$
Carb, Splints, Spavin Lameness, RingSprains, Bony Growths, Swellings,Shoe Bollsand Founder, Distem per and Colic






Toronto
Spring Horse Show


ARMOURIES
April 26, 27, 28, 29 and 30, 1910
$\$ 6.500$ in Prizes
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Imp. Clyde Stallion
WM. MEHAREY, RUSSELL, ONTARIO.
For Sale: $\begin{gathered}\text { RgGistered hackner } \\ \text { Stallov. Gockrorion }\end{gathered}$



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Shorthorns, Clydeshales and oxford

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Dispersion Sale of Shorthorn Cattle!
TUESDAY, MAY 3RD, 1910



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sale young stock of both sexes, from his noted herd of r,6oo-pound cows, descendants of Joy of Morning, Broad Spring Valley Shorthorns|HIGH-CLASS SHORIHORNS



| Meadow Lawn Shorthorns <br>  |  |
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| SALEM SHORTHORNS! <br> ONT. ELORA STATION, G. T.R. and C. P.R. |  |
| SPRINGBROOK SHORTHURNS Watson, Elgin, Scotland d \& W. Russell, Richmond Hill, Ont |  |
| VALLEY HOME SHORTHORI <br>  |  |
| Always have tor sala a number hor rus. shires and Incolns. <br> HIGHFIELD P. O., ONTARIO |  |
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QUESTIONS AND ANSWERS. Miscellaneous.

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MISCELLANEOUS.

THE FARMER'S ADVOCATE.


Nitrate of Soda

ly interested in every part of the service.
At its closs, he turned to her and said,
"I lik." this, church. it is so nice to watch
The preather when he comes out with al
his wives in their nithtmowns."
Mauazing
There's more strength in a bowl of

## Quaker Oats

than in the same quantity or the same value of any other food you can eat.

[^2]
silage than are sugar beets?
4. Fending younc catele silage, turnips
4.
 srimmer pasture, moduced by the mixtur
of oats, sugar cane, and clover, principa



Scotch Shorthorns A Edward Meyer

 John Miller, Brousham P. O., Ontarlo. $\qquad$


30 HEIFERS AND 29 BULLS

H. CARGILL \& SON, CARGILL, ONT.

Stoneleigh Stock Farm-For Sale: Sosort.





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$\qquad$ Fairview Herd
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E. H. Dollar, Heuvelton, N. Y.
 or come and se us. Good railway
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QUESTIONS AND ANSWERS Miscellaneous.

FAT SOW TO FARROW
Sow, brod at five months of age
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NURSERY $\underset{\text { STANTING }}{\operatorname{PLOCK}}$ TRES FOR
en told that nurery atert
QUESTIONS AND ANSWERS Miscellaneous.
ONIONS ON SOD. as been down two years? 2. How would I work it, spring-tooth how it down, or plow it down deop, then Ans.- 1 and 2 . Fxperts recommend that Onions should follow some crop that has
been kept under the hoe and free fro weeds the previous season. It is scarcely
possithe to get sod land in proper
dition this season, and work should be very it attempted, The first of the methods suggested would
probably the best. For pruft growing, it is necerssary profitable onio WILD OATS in your next issue in ragard othe cult to eradicate, or which will the dift
 glant commences to shad its seede Th hefore thomuming thie plant will if develo alling at that stage will finish it, how
var. Cieneral treatment recommender hand in hoe crops, grass, or in crops in AME MARE
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$\qquad$ hours rou well again, and in 24 hours
$\qquad$
Club buying a bull
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Great Dispersion Sale !

## 80 AYRSHIRE CATTLE 80

The celebrated herd of Jas. Benning, Glenhurst Farm, Williamstown, Ont
 Wednesday, Apr. 20, 1910 The Chicago World's Fair champions were bred in
this herd. Included are Floss of Glenhurst and
her five daughters, a cut of which will appear in a later issue. This herd, founded 50 years ago, is headed by Drongan Mains Guarantee, imp.,. 266337 ,
Thirty of the cows have a milk test of 4.06 butter
town, G. T. R. Sale will commence at 1 p . m.


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used any where on any yrop Convenient tor use Increases your famm values
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 Books on the crops which Send name and address on Postal Card DR. W. S. MYERS Milrate Propaganda
sau Street, Now


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 Shannon Bank Ayrshires and Yorkahkee ing young bulls and heifers, true to type a
qualty. Young Yorkshires of both sexes. W. H. Tran \&. Son, Locust Mill P.O. \& Sta., Ont Ayrshires from a Prizewinning Herd-
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THE SYMPTOMS ARE
Tightness across the Chest, Sharp Pains and a Dick Phlerm it first white, but later of a greenish or yellowis wit coming from the bronchial tubes when coughing, erpecially the first thing in the morning.
Bronchitis is generally the result of a
oold caused by oold caused by exposure to wet and will become chronic
Chronic Bronchitis is one of the most first symptoms of Bronchition by the uee of Dr. Wood's Norway Pine Syrup
 eloep, and was tired all the time. I consultod two doctors, and both told me 1 had bronchitis, and advised me to give up none of the medicines gave me any relief. One of my friends advised me to try Dr. Wood's Norway Pine Syrup. I had bogan to got bettor and when I had taken the fourth bottle If felt an well as ever, my, oouth had loft mo and I could sleep well., It is. put up in a yellow wrapper, three pine troee the trade mark, and the price 25 conte. There are many imitations of conuibe when you aetk for it. Manufeoperod only by The T. Milbure

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and 20 months old, respectively; females all ages. and
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THE FARMER'S ADVOCATE

QUESTIONS AND ANSWERS Miscellaneous

CARE AND SERVICE OF STAL How should I care for and feed a stal
lion for service this spring? He is ris Mon for service this spring? He is ris
ing five years. How many mares shoul
breed to him? Ans - A short article on this subje
has appeared in the Horse Depar has appeared in the Horse Depa
ment. As to number of mares, an e e
perienced horseman who has travell some famous stallions advises limiting
mature horse to two covers a day, thr
a pinch. but not often This. course, is considerably less than som
stallions nre worked, but many are use
to excess, with consequently a low pet

IMPORTATION OF HOLSTEIN
CATTLE
Can you tell me through your pap
if there is any duty on registered Ho
stein stock coming into Canada from th United States, and what red tape is the
in be reckoned with? Ans.-Pure-bred old Subscristered Holsteins entered free of duty into Canada fro the United States if the importer fur-
nishes an import certificate to the toms officer at
hat an import certificate may be issue
the animal must first be registered in the Canadian Herdbook, and the fees fors
registry are as follows: For members registry are as follows: For members
the Assaciation, $\$ 1$ for an animal unde
one year of age, and $\$ 2$ for an anime
over one year; and for non-members, $\$ \$$ 84 an animal under one year of age, an
for animal over one year. The
for an import cartificat.
$\qquad$
$\qquad$ certificate from a properly-qualified i
$\qquad$

LOWING UNDER BUCKHORN AMBER SUGAR CANE-COWS 1. 1 purchased some grass seeds in
year, of which I sowed about half, and ate
was buchorn. saw that nearly one-thir
seed luft. would it as 1 have som With barley this springe, and then phoy


Jorseys and Chester Whites
BRAMPTUN Jerness

 's greatest Jersey herd CHAS. E. ROGERS, Dorchester, Ont.| B. H. BULL \& SON. BRAMPTON, ONT.
MUSK


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## APRII 11, 1910



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[^0]:    wuld be

[^1]:    

[^2]:    Most nourishing, least expensive

