## PAGES

MISSING

# Che Farmer's Xdvocate and Home Nragazine 

EDITORIAL

largest crop returne object being to secure the from the operations of the year. and and fair reports, prepared hy practica the principal features in all departments of the tural and other exhibitions and dairs, horticul By means oi the split-log-drag competition, th results of which were announced in our Christmas Number, last week, a successful effort was made to focus public attention upon earth-road im-Poultry-raising, a branch of farming which is constantly becoming more profitable, the demand and the prices increasing in proportion as towns and cities grow and population increases, has received a full share of attention, special consideration being given to the healthiul housing and general management of the flock.
Beekeeping. a specialty deserving greater attention, has been dealt with by specialists from The sheep-hreeding industry for which the Climatic and feed-growing conditions of our counbeen sadly neglected by too many farmers, has mand and prices. and oy the attention impored depeople being called to the moderate amount o labor and expense involved in founding and main-
taining a small flock of this dividond of stock. The phenomenal success of Canadian sheep-breeders in prizewinning at International Exhibitions year after year, speaks volumes for the suitability of our soil and climate, and the
ability of our people to excel in this line of live
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$\qquad$ of interest, owing to the improved demand as a consequence of the settlement of the new lands of the West, the growth of our cities and towns, and the extensive construction of new railways The Farmer's Advocate " has given special athorse stock of the country and the measures best calculated to insure the production of a profitable hass of uniform type and quality. iruit-growers has been the able series of articles in which, under the title, "Horticultural Prag ress." are given the attested results of investife tions at experiment stations and elsewhere with pertinent comments regarding their applicability C) Canadian conditions.
country, the whole tendency of which has been draw our young people away from the farm, has been advocated and insisted upon, in order that a more sane and sensible course may be adopted by which the dignity and wholesomeness of farm life may be properly appreciated, and a pro-
gramme of studies adopted which will fit farmers' sons and daughters for the duties of farm ife, instead of inclining so many of them to the already overfilled professions. liberal share of attention in the ably-conducted Home Magazine department of " The Farmer's Adrocate," the influence of which is freely ac
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scientists and then of practiral experience and therehy much useiul and helpful iniormation dis seminated. The paper is always profusely illus trated with high-class photogravures, adding ()ur programme for the coming year will be quall.: full of interest and usefulness, grapplin and arises. New and appeal to our patrons for not only a renew a Continuation of their own subscriptions, but a interest in a wider spreading of the influence of the paper by their inducing others to avail them selves of the helpfulness of "The Farmer's Advo cate," which for over forty years has proven itsel not only in name but in fact the "farmer's adrocate " in the best sense of the term. We in nite the attention of our readers to special offers and valuable premiums given for securing new hatribers, and urge immediate action, in order paper for the cribersce of this ye the benefit of the vear for the yearly subscription price. Figure out the modest cost of the weekly visits of ". The Farmer's Advocate," and apuraise its benefits, me decision will be, we are quite sure, that neither yourself nor your neighbor can afford to

## THE RURAL-SCHOOL GARDEN

$\qquad$
, partment of this issue, viz., a series of illustrated andere results of school-gardening, as carried on connection with some of the ar's Advocate ', Cana persistenthe whe Farn that some sort has persisurg which might the awaken interest in agriculture should be givèn in our public schools throughout the rural districts, better fitting the sons and daughters of the farm or the agricultural pursuits. School-gardening, if rightly conducted, should surely be a great means to this end, besides proving, as well, a We medium of educative intellectual work. We have much pleasure in calling the attention these articles, and trust thers and school boards them may te an incentive to many more experiments of this kind during the summer of 1908 . We are on the eve of important changes for the better in our public-school policy, and school gardening emphasizes one aspect of the reform. Read, study and preserve the articles on "The New Education," and the experience of wideawake teachers who made use of gardens as an

TEACH THE BOY: SAVE THE FARM We are thankful to read, from time to time, an public-school reform, one of the greatest needs the times, whether viewed from an agricultural a national standpoint. Referring again to the racuse, N.,', convention, which "The Farm.". The lear-sighted Wisconsin contemporary makes the following observations: "There has been a deline of the fine old farming spirit which used to prevail in New York fifty years ago. Then good men were proud of being farmers, and their sons effect on the productive capacity of New York soil has resulted in an enormous decline in land values amounting to $\$ 126,000,000$ in thirty years. Had the common schools of New York taken hold of

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an enlightened agriculture, so that they would have acquired a taste for agricultural reading and
knowledge, we do not believe this great loss would have come to that state. The children of to-day are the farmers of to-morrow. Upon their education and mental bias of to-day will depend the
character of their farming to-morrow. There is character of their farming to-morrow. There is
no use of 'crying over spilt milk,' but the educational sentiment of New York and every other State should take steps at once that there should make the elements of agriculture a part of every day's exercises in the common school. Familiarize the youthful mind with sound doctrine in reading lessons, if nothing more can be had. The of instances towards the farm. Better save one good farm boy to the farm than import a halfdozen ignorant substitutes.'

## CALF CHAMPIONSHIPS

The winning of the grand championship over atl pure-breds, grades and cross-breds of fat cattle at the International Live-stock Exposition, by the
high-grade Shorthorn, fifteen-months-old, 1,090 pound calf, Roan King, raises the question a the wisdom or propriety of such a course. 190G, this high honor at Chicago was won by a Heretord calf, Peerless then $\begin{aligned} & \text { which this year returned to receive only third in }\end{aligned}$ his class. But does that signify? The task of Carrying over a fat beast, of whatever age, is admit tedly most difficult, and it would be almost a superhuman achievement to win two grand champion-
ships at Chicago with the same animal, no matter ships at Chicago with the same animal, no matter
at what age it was first fitted, and there would seem to he no valid reason why a steer finished for the Wock should not receive recognition,
whether fiftecen months old or three years. At ams rath. Mr. Durno's decision was generally
weight butchers cattle. There has been a rooted tle lack is true of the, half-sterver things killed at six eight months, but not of the well-fed, ripe year old. Such an animal, receiving a ration in whic spiciest a part, produces the very choicest an this more feaks, and when people realiz petus given to the production of geaty, thick fleshed baby beeves.

THE SPHERES OF THE WINTER FAIRS
As the echoes of the December live-stock ex hibitions subside, it is timely to reflect upon thei value and their respective spheres. When the live-stock exposition at Chicago was launched some eight years since, on its present gigantic scale, a few disquieting thoughts were entertaine would be duite would be quite outclassed. In dimensions, it cer distinctive features of the Ocatario distinctive features or the Ontario fair, and it only stand out more pronounced.
The International is a great show-a perpetual revelation. Phenomenally successful from the start, each succeeding year turns a more im it annually sets new records which only itself can surpass Surpass them it does, however, with certainty and ease. Record-breaking rings are successively outclassed, as though they had been mere State or County exhibits. Champions of previous years go down by the pairs and half dozens. High-class show-yard material of eigh years ago is hardly looked at now, while the second-raters have been almost eliminated from he stalls. The International early won conti nental acclaim as the climax of American live
stock exhibitions. It is the prospective stock exhibitions. It is the prospective goal of
every ambitious exhibitor, the cynosure of all stockmen's eyes. It is the American exhibitors concentering point, the objective toward which all
hopes verge. It is more than that It is a hopes verge. It is more than that. It is a
standard-fixer; an educative exponent of the prog. ress of live-stock husbandry toward ideals of per ection in animal form, and of early maturity in he case of meat animals, as witness the winning of the grand championship for two years in suc
cession by steer calves-last year a Hereford, this time a Shorthorn. But, to be educational in it: most practical sense to the individual visitor his show is rather large. A Canadian visitor misses the lectures and the carcass demonstra here was a carcass talk, but it is fairly lost in the vast scale of everything else
In the Canadian Winter Fairs, at Guelph, Ont. and Ottawa, Ont., and Amherst, N. S., we hav unique institutions which serve their spheres as These smaller shows, though big enough, are not too large to comprehend, and they take in nearly verything in which a farmer is interested, from attle to poultry, seed grain, and the milking competitions, which, by the way, should be in-
creased in point of accommodations and extent. The block test and dressed poultry exhibits, with heir lessons, are here matters of general interest Add to this the practical addresses and discus. sions in the farmers' parliament, in the lecture rooms, and we have winter shows capable of preciated, is proven by the large attendance farmers and their families who attend year by
year. The Canadian winter fairs occupy a position of great and growing importance in our ex hibition scheme. They evidently will never lut
displaced by larger institutions of the (hicaro order, though

## mal husbandry

## OUR MARITIME LETTER

THE CANADIAN FORESTRY SITUATION. In the " Wood Building," where also the Militia Department carries on its multifarious co cerns connected with the defence of the countryat whose wide main armed sentry moves to and fro with measured step, we found R. H. Campbell, the quondam secretary of the Canadian Forestry Assochation, now the Superintendent Forestry, since Mr. E. Stewart relinquished his eral office of a strong lumber syndicate in Mon real, to direct the company's affairs fortuneward Mr. Campbell has always been an enthusiastic worker for forestry, one who could impart those about him somewhat of his own hopefulnes -and on this occasion his greeting for old friends and co-workers could not be more cordial
We have long felt that the forestry poticy the country needed to be carefully formed, co stretching with ocal and federal interests, and imits of exploration, conservation, reparation and development. We are too near to th National Conference, when all the literature of th country teemed with forestry education; and, there
fore, need only speak of the progress made in th interim towards organization and a public polic which may save us the eproach of other counc that have foolishly deprived themselves of their forests and the immense contribution they make to water power, their actual economic bearing on th wood and lumber trade, and their beneficent influence in the tempering of severe climatic conditions and the production of better field crops
It was the opinion of all those who foregathered fortawa in 1905 that the time was opportun Canada. We had the experience of the great Re Canada. We had the experience of the great Re
public to the south of us, many of whose once ruitful the south of us, many of whose once whose exposed plateaus arid and unproductive, over unimpeded by hush or great wind-storms sweep nent of animal life whose weod work get detr have to look to the strancer alo for waterial which was theirs in abundance for all time if only properly administered, and the field fertility many of whose divisions is vastly impaired by ver and wanton denudation. We then looke tions of it, here, alnost completely stripped here, greatly impaired in their woodlands ; new illimitable regions of coniferas directly men aced by fire and ax. We had data placed befor is by experts to show that our great watershed vere in imminent danger of loss of power, and that the fertility of our fields, the comfort of our homes, the beauty and monetary advantage of our we decided by formal resolution sative action; and hen on the governing power, in served there and Representative of the power, in the persons of the Prime Minister, Sir Wilfrid Laurier himsey and the President of the Conference, to shut, he door th in Canada against the great national wrones writ o broadly arross the forestry policy, or want olicy, of other lands.
Well, things have gone along slowly enougl esiderata, meeting, with its enunciation o somewhat impatient of delays, beganning the
phen we recalled the farorable disposition of the Prime Minister, and his ability to put them of the practical test, We confess, however, that this is: and we now believe firmered and encouraged ovement for forestry shortly to a real forward Wood lhuild, as we have said, Mr. Campbell in the pacious apartments, and presiding over a public subordinates in bureau and field. Messrs. Stemar fir petent forester have, been secured-one who knows niterprise, and can represent its needs everywhere. cate for some time. I am prepared to say that it Bureau ate satisfy the technical demands of the 5 the most useful paper printed on apriculturat in the Forestiv schools of the conting themselves and Chie very point on all subjects relating the ahle to give in very point on all suljects relating the farm praw. Wishing voul everyht sumpion to the vast firld before him

Division to extend the national reserves-those a
ready made need emlargencme, and others are
quired elsewhere and ly effected in this regard in P'arliancut until your
whole proposed scheme is coll intendent was over the western ground last sumOif personal inspection next year. His zeal and Dr Fernow, of administration. and Forestry at the Toronto University, is co tellectual strength and wide experience his inabundantly benefit the new national experiable must
It is the intention or a school of forestry at the University arrange Province. It, too, should co-operate in of that ing the national plan. For provinces like ours,
without any reserves, or any kind of reafforestaintention of Mr. Camplell's Division that is the he people by means of competent teachers, and also, to furnish trees for planting whenever pos-
sible. This will be a great boon. The publications of the Forestry Association, The publicatins of the Division, must contribute greatly to the end in view. As we said before, then, the to
outlook for Canadian Forestry is

ARIFF CONDITIO FARMERS. Much is being said and written regarding change in our system of public-school education hew and higher interest, tending to retain, in town, the flower of our country youth; and, while vell impress the authorities with the fact that no system will ever accomplish this object which profession with such a love for the teaching farm life that they will delight to urge and in-
spire their pupils along agricultural lines-an en husiasm which, generally speaking, we may sa who are engaged in the teaching profession at present. While efforts are being put forth to ac complish this desired end, agriculturists might
well bestir themselves and endeavor to realize their true condition, with a view towards remove
ing some of the present are a burden upon their requirements and the products of their energy. If they take to
heart the effusions of manufacturers, managers of ratway and transportation companies, leading
directors of as well, many of our Legislators, they would in-
deed be touched with the spirit of deep solicitude "Which these all feign to manifest in the farmer's current on the part of many engaged in other lines, that 1 am almost wont to exclaim, "Lord
help the farmers." They are indeed the great
silpnt clocs and teing made which emphasize the fact that their interests and the interests of the great consum ing public do require effective representation. As
was then said, the evidence given before the Tarif Commission was extremely moderate, and showed
that, under existing conditions in Ontario, it is impossible for the better class of farmers to make
inuch more than a fair living; that it is impossible for those less fortunately situated t as it stood before the revision, did little of
nothing for them, while it imposed quite heav, and unavoidable burdens. The tariff has been re it was only as a compromise, as a first instal ment of what every student of agricultural re-
quirements must know is their due. The question now is, why should this country require that an foundation industry, the very mainspring of its national existence, for the benefit of any other
class in the land; and this more particularly so when the great problem is to endeavor to hold
the flower of our country youth on the farm, where they ought to be? The future welfare of the industry itself and the rights of posterity both
demand that agriculturists awaken themselves to
coulize the rravity of the situation. valize the gravity of the situation.
The Members of the House of Commons have
again assembled. The manufacturers, through Again assembled. The manufacturers, through
their president, have taken their stand. They
are ready to beat at the doors of Parliament are ready to beat at the doors of Parliament.
They are after more blood, another vein (an
artery if possible) in the loins of agriculture, artery, if possible) in the soins of ating indus-
mining, lumbering, or other selfupport
trw is to be opened. Although the census of rw, is to be opened. Although the census of
manufactures, taken last year, shows that the
apital invested in those lines has increased from apital invested in those lines has increased from
$\$ 446,000,000$ in 1900 to $\$ 8,34,000,000$ in 1905
n increase of $\$ 387,000,000$, and the value of
oi Cause they say that the great consuming poblic better value for theceeded in obotaining olsewhere; so much
all that, with increase in trade, the manufacturer, not materially, strengthened manufacturers have tal, the wage bill and the out, while the capi manufacturers had increased, their of Care candian home market had remained practically at standstill," and now they are aiter a tarifi in to reserve the home market for the Canadian manufacturer, and give a preference to Canadian Empire on articles that could not be produced at
home. How does this home. How does this further demand compare sion? Let one reference suffice : On Commis$16 \mathrm{th}, 1905$, the merchant tailors, On November 167 tailors in and out of Toronto, opposed the demands of the woollen manufacturers by saying finish of the English article, and that style and to go to Britain for their best woollen goods that they had asked the branches of their trade
if, since the increase in the if, since the increase in the duty to 30 per cent.
they had increased their use of Canadian ens, and the invariable answer was no. Fvoryone versed in the trade knows that, possibly with the exception of one Canadian factory or so, where not a pound of shoddy is used, this show, ing of the tailors is so. Then, why should agriculturists and consumers generally be burdened by duties like these?
though a necessity for revenue that a tariff, al ada, is an instrument whereby the protected interests can collect unduly high prices for their waresTake the following list of articles, and the cusa greater or less degree a burden on the farmer and other consumers. Upon the basis of importations during the year 1905 , being the latest re-
turns I have to hand, and corresponding with the census of 1905 :

| article. |  | $\begin{aligned} & \text { s from } \\ & \text { S. } \end{aligned}$ |  |  | ts from tain. | $\begin{gathered} \text { Total } \\ \text { Imports. } \end{gathered}$ | $\begin{aligned} & \text { Preferential } \\ & \text { Tariff \%. } \end{aligned}$ | General Tariff \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Wearing apparel, ready-made cloth- <br> ing, composed wholly or in part <br> of wool, wool and mfres. of $\ldots \ldots$ Dut. \$ 524,066 Dut. $\$ 13,153,729 \quad \$ 17,529,415 \quad 22 \frac{1}{1}$ to $\mathbf{8 0} \mathbf{8 0}$ to |  |  |  |  |  |  |  |  |
| Cotton and mfres. | $\begin{aligned} & \text { ut. } \\ & \text { ree } \end{aligned}$ | $\begin{array}{r} \$ 1,864,548 \\ 6,079,522 \end{array}$ | Dut. Free |  | $\begin{array}{r} 5,782,676 \\ 363,860 \end{array}$ | \$14,853,04 | 25 | 35 |
| Agr. implements |  | 571,474 |  | \$ | 21,265 | 8 1,598,911 | 12\} to 17\% | 17t to 25 |
| Buggies and carriages |  | 7,019 |  |  | 2,80 | 8 8 98,825 | 22. | 85 |
| Paints and colors | Dut. Free | $\begin{aligned} & \$ 06,089 \\ & 121,667 \end{aligned}$ |  | \$ | $\begin{gathered} 260,910 \\ 76,008 \end{gathered}$ | \$ 1,498,69 | 10 to 30 | 15 to 37 |
| pades and st |  | 24,885 |  |  | None | 38,7 | 20 |  |
| toves |  | ¢ 403,047 |  |  | None | 410,6 | 15 |  |
| Windmills |  | 37,939 |  |  | None | 38,083 | 12¢ | 20 |
| Nails, spikes, screws and general <br> hardware ........................................ <br> 17 to 2 |  |  |  |  |  |  |  |  |
| oots and shoes |  | 112,736 |  | \$ | 60,499 | \% 1,178,118 | to 20 | 5 to 30 |
| Harness and saddlery |  | 64,354 |  |  | Non | 83,9 | 20 | 30 |
| Oilcloths-floor, shelf and table |  | 154,469 |  | \$ | 598,910 | 771,4 | 25 | 85 |
| cuits and confectionery |  |  |  |  |  |  | 15 to 22d | 25 to 35 |
| favors long enjoyed. They seem to feel that they have a right to the protection accorded them at other self-supporme industrim marl that they are merely seeking their own in asking greater favors. <br> What is and has been the result of these protection duties? Let the judges on the bench, in the law courts of our country, give the answer ! The revelations which have come to light in the case of the plumbers, tack manufacturers, wholesale grocers and druggist combines have proven that, to a great degree, through the action, combination and forms of agreements in existence, almost every article used in Canadian homes to-day and the great consuming masses in the land have to bear the unjust burden. Let us recall the words of Mr. Justice Clute, in delivering judgment upon a certain druggist case, in June of 1906. This was an action brought by a whole- sale druggist firm in Montreal to compel a firm of retail druggists to stick to an agreement regarding prices. The case was dismissed, on the ground that the agreement was an unlawful con- spiracy interfering with the freedom of trade, and, in delivering judgment, he stated that this form of agreement was used not simply in this class of commodities, but it was the form adopted by the committees representing a great part of the wholesale and retail trade of Canada, and it meant that almost every article in common use was subjected to a hard-and-fast contract which set the |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

manuiacturer sprice, the wholesale price and the
retail price, below which none can sell, and one would be allowed to purchase who did
first teecome $\mathbf{a}$ member of the assocition agree to sign the contract in question.
stated, further, that it was indeed diffelt ceive of a scheme more effective in destroying competition and enhancing prices than this agree-
ment was. It was the form used by associations of retail and wholesale merchants in Canada, and included, to the extent of the membership of these associations, a very large part of the entire trade of Canada. The result is that, to the extent, to sons engaged in manufacture and trade, they wi be able, absolutely, to control prices; not only limit, but destroy competition; and, in effect, dhe commodity who does not first of all bind him self to sell the same only at a certain price. When we are brought face to face with
ditions such as these-conditions by which ditions such as these-conditions by which every
mouth, every family, and every household in the Dominion is being mulcted and penalized for the benefit of a few, is it not high time we were as serting our rights? No one can notice these de-
velopments and revelations without velopments and revelations without feeling tha
action such as this, fostered and encouraged b too many of our captains in the field of Canadia industry, must have a strong tendency to degrade the high character which should pervade the indus facturers of this country, in days gone by, prayed for a temporary shelter from the biting wind of foreiga competition, promising as soon as they
had gathered strength to stand alone. and by had gathered strength to stand alone; and by
these tactics we have seen our farm labor stolen from us by a competition we could not meet. Fo the last twenty years we have seen our rural
population in this Province steadily der population in this Province steadily decreasing and we remained silent. Now, however, when we
see these protected interests clamoring for further favors, that they may be given a greater oppor tunity to prey upon us, is it not time to speak ject of our mission is to so impress our people upon agriculture to such a degree that there will be'such a readjustin place agriculture and its national ideas as will telligence and highest skill of our people in the this awakening is sufficiently emphatic there whill then be no more hastening to the city, but a na-
tional revolt against the worship of manufactur and trade as being the only forms of progressive activity, and a revolt, also, against the false no tion that wealth built upon these, at the expense of the, can endure exertion bestowed upon agriculpeople, from the highest to the lowest the who tillage of the soil is the natural and most desirsubsidiary, and to which all else in the end must
yield, is the first requisite. We must not shut our eyes to the fact that, to too great an extent, genius and ability has shunned the farm and is
expending itself in the trades the professions, commerce, and the manifold activities whose fal Whable reactions filter back but slowly to the farm from the youth and vigor and the best rished the farm, do we find our city youth drifting to the farm again? This inquiry must meet with civilization we are still clinging to the skirts of the men from our towne and. it is very largely ing the legislation and directing the government our country. The consequence is that, if there are any 1 nes of manufacture in their constituency.
when personal interests oi these firms are being considered, those representatives are as silent ount a fair wage for the farmer and his family. while manufacturers have an annual dividend of condition, we find small farmers, discouraged who may thus more profitably substitute ma chinery for men. This country needs more work
ers on the soil. and we are never going to get
them unless we can make our financial cituation If we but grasp and master our problem
aright, all this will change, and a larger compre ension of agriculture, as our main resource and will for the future direct to its just aim in the wistom and the science and the willing hands of tion for their labors, and also be able to trant mit to posterity an unimpaired inheritance,
Huron Co. Ont.

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## HORSES


applice with smart friction once daily, will getyerime,
aperally
reduce the emlargement, but such enlargement

HORSES IN THE UNITED STATES Horses are increasing fast in the United stand dirst of the current year, giving the numb with January. 1906. On $1,213,605$, as comparin there were 16,533,224 horses in the United Stats which number increased $3,213,359$ head in While this increase has been most remarka there has been no accumulation of surplus.
expansion in commercial and industrial lines establishment of great manufactories, the incre by millions of acres in the areas devoted to agri mand for horses fuster than they can be producal Horses are increasing fast in the United States and Canada. but we are not producing them fast ver-suppe to in much danger of having an seems to iucrease yonr by year, and the storder of excellence of market classes continues to im ime is In no line of live stock at the present then in horse-breeding. mat momaking prospects ing will not pay ; only classified offerings of good quality wili pay a reasonable profit on the cost of
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Bennst
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minds of many feedurc, Will mpress lessuns on the
ar an mome somportion would smn the shortage hastage has
hock, with a straight posterior in werverl-formed. strong
diagnose. The horse will $k 0$ more or less lame, and
will usually rest the leg when standing An examina
the lach" "f discrimimation in the quality and has beenyoung stock reared. As a result just now, when
fodder is scarce and prices for beef very flat, there is
an intlux of voungstorshort to risk raisink any but those from the very besthand. If some
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the season:


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The Maritime Winter Fair at Amherst, N. S.

were among the principal exhibitors of turkeys were
geese.
The notable improvement ant was, perhaps, the most fully double as large as ever before, and vastly superior in quality, especially in regard to purity of
seeds. Competition was keen in all classes. The display of grain in wheaf and in bags made by Mr. drawing features, and the quality of grain as well as the taste in arranging the exhibitt, reflect credit on Mr. Innes. He won the Steele-Briggs Cup for the
best display of seeds made by a member of the Canadian Seed-growers' Association. Other principal ex hibitors in the seed classes were: Peter Brodie, of $P$. E. I.; H. B. Parlee, Sussex, N. B.; John R. Harrison and Samuel Harrison, Maccan.
The fruit exhibit was much smaller than last year and some of the classes hardly up in quality. Prince Edward Island had a fairly good sample from each county. Five New Brunswick counties were repre
sented; some of them with very creditable exhibits. sented; some of them with very creditable exhibits
Only eight Nova Scotia counties were represented, bu the quality of most of the exhibits was good. The
apples from King's. Hants and Annapolis Counties, apples from King's, Hants and Annapolis Counties, as would be expected, were of very fine quality, being
well grown and clean; but, owing to the cool, $\begin{aligned} & \text { cloudy }\end{aligned}$ summer, the coloring was not quite so good as one summer, the coloring was not quite so good as ane
would like. Mr. N. Namblen, of Durham, N. S. who superintended this department, deserves credit for
his willingness to oblige spectators, being always in his place, and giving all information asked for
In the Dairy Department, or Dairy Test, there were not quite so many exhibits as last year. Logan
Bros., of Amherst Point, N. S., had five Holsteins in Bros., of Amherst Point, N. S., had five in steins in
the test, and won first, second and third in cows, and first and second on heifers. Fred. S. Black, of Amherst, showed two Ayrshire cows, one Ayrshire heifer and one grade cow, winning first and second on
cows, first on heifer, and first on grade cow. H. S. cows, first on heifer, and first on grade cow. H. S.
Pipes, Amherst, showed three Jersey cows and two Jorsey heifers; C. A. Archibald, one Ayrshire cow; w. N. Boomer, Amherst, two grade cows.
The Canadian Guernsey Breeders'
the Canadian S'eed-growers' Association Asoctiation and Fair. The Guernsey breeders elected the following officers: President, Walter McMonagle, Sussex; Vice-
President, President, James Roper, Little York, P. E. I.; Sec.-
Treas., Howard Corning, Chegoggin, N. S. DtrectorsTreas., Howard Corning, Chegoggin, N. S. Drectors Nappan; John Roper, P. F. I.; Wm. McCready, Jack END OF RANCHING IN QU'APPELLE VALLEY. The cattle industry in Qu'Appelle Valley,
Saskatchewan, is rapidly giving place to grainfarming, and soon the only rellc of the olden appeared. Grain-growers have invaded the country. On the north side of the valley, where formerly thousands of cattle could graze unmolested
by the farmer and his crops, there are now by the farmer and his crops, there are now quarter-sections taken up everywhere, and the ness of fattening beef too expensive. Another chapter closes with the passing of the range

## THE FARM.

TOWNSHIP CANADIAN CLUBS PROPOSED.
Editor "The Farmer's Advocate" :
We can scarcely glance over a paper at this season We can scarcely glance over a paper at this season
of the year without noticing an account of some new
Canadian Clut being formed in a city or town, or the Canadian Clut being formed in a city or town, or the revival of a former one, and the great good it is doing
by increasing patriotic interest in national and municby increasing patriotic interest in national and munic-
ipal questions, together with the levelling down to a great extent of partisan, religious and business prejudices. One feels compelled to ask why could not and
ehould not rural Ontario more quickly follow the should not rural Ontario more quickly follow the
splendid example of our urban friends? There may be drawbacks in the country, such as distance, to its success, but they are fully compensated by the advantages. At present there is no opportunity, at least in this
district, for farmers to meet and discuss any questions district, for farmers to meet and discuss any questions
of the day, save at the annual meetings of their respective political parties, but at these they hardly dare express themselves at variance with their leaders. Surely there should be some chance for the twentieth-entury
farmer to explain his stand on the tariff and other rarmer to explain hita questions, so that our legislators would know
vital
something of his opinions. In an educational sense, wouk it not prove a great hoon, especially to young men, helping us to express
ourselves in a clear and suitable manner? There is at present little opportunity in that direction; for, no
matter what may be said to the contrary, the dematter what may be said to the contrary, the d
cadence of stump speaking is to be deplored. Tru cadence of stump speaking is to be deplored. True,
it has been elainied that most elections have been won it has been elained that most clections have been won
to a great extent of late by quiet canvassing ; but
personal eanvassing is really at the bottom of much of personal eanvassing is realy at the
the bribery earried on throughout the country, and
which will eontinue until condidates are compelled by which will oontinue until candidates are compeled oy phe platform they lay down in their speeches. No one should demand that his representative should when a man receives $\$ 2.500$ sessional hlowance, he owes
it to his eosetituents to explain to the at least once
a year, what he has helped to do for them, and his carry the boat along, while, if it were flat, the or measures that have come before him. meeting as a Township Canadian Club and discussing us with some suggestions on this matter. the various farming methods, together with improve- York Co., N. 13.1 WM. JAFIRE ments in roadmaking and other municipal affairs. dian Clubs are as follows: Hst-The encouragement of independent thinking by Edito RE COUTY ROADS Editor The Farmer's Advocate : young en educational benefts derived by giving th lic, as well as hearing intelligent men speak.
3rd.-The revival of stump speaking, and the con sequent gradual elimination of personal canvassing.
4th.-The advantage the conscientious and faithal.
M. P. will reteive by having a chance to explain his stand on diflerent public questions.
5th - The added interest that
5th.-The added interest that will take place in re
gard to advanced methods in farming and improvements.
East Middleser $\qquad$

## A BAD NEW WEED

Editor "The Farmer's Advocate"
In your issue of November 7 th there appeared very ve mustand family was very thoroughly described
of the murte
I would like to endorse, most writer (Mr. Dearness) has said about this weed. one which has been heard of froun two or three differ ent sections of Ontario during the past summer, an In each instance seems to give a great deal of trouble
The seed traces back to the lucerne seed which ts being imported fraces back to the lucerne seed which is being
ine Old Country: I understand that in Russia, where lucerne is grown extensively, it is one of the most vigorous and most determined weed that
the peasant has to contend with. The best way to the peasant has to contend with. The best way to
cope with a weed of bad reputation, is to attack before it attacks you, otherwise the battle will be hard and strenuous one. If we in this country would
see to it that what weeds we have were prevented see to it that what weeds we have were prevented
from spreading, and what weeds that we haven't got were prevented from being introduced, the weed problem
would be practically solved. There are three maxims
which every farmer should keep in mind this coming which every farmer should keep in mind this coming 1st.-Fight those weeds that you have got.
2nd.-Fight those weeds that you are getting
2nd. - Fight those weeds that you are getting
3rd.-Fight those weeds that you haven't go
D. L.. have read with considerable interest the letter oads. D. L. would leave the impression that the wor be desired, whereas to my mind, and to many, it is piece of high-handed extravagance. Every progressive
farmer wants good roads, and in Oxford County the roads have improved in keeping with the farms th buildings, and why the county should be put to such an added expense it is hard to understand.
D. L. tells us that the D. L. tells us that the estrmated cost of the 26 miles of county roads is $\$ 34,000$, or $\$ 1,361.50$ pe mile; yet we find that under the most efficient manage
ment of the committee of the County Council and two apable inspectors, the road which they have completed this summer has cost about 83,500 a mile, or the
total cost of the 260 miles when completed will be $\$ 910,000$, or nearly a million dollars. Thus, the $100-$ acre farm, which, according to D. L., would be taxer
for 64 cents per year. will be taxed for nearly thre or 64 cents per year, Out of 260 miles of road to be built, we belleve that about eight miles was completed this soason, s hat it will take 32 years to tinish it.
Another fact is that in the construction of miles they ruined three or four times that amount of side lines and concessions by hauling material.
It is comforting to know that the House of Refuge s soon to be paid for, but we fear that by the end o even years there will be need of large addition for th

## GARDEN 竛 ORCHARD.

HORTICULTURAL DEVELOPMENT IN ONTARIO Ontario Fruit-growers' Convemtion

The wonderful progress made in the various For the first, "Thorough cultivation." For the hranches of horticulture in this Province during
second, "Pull and spud, or otherwise destroy before the past decade is something that very few fully
ew points in this connection, for it is
by considering the by considering the that we have come to an understand-
ing of our present position, and are able to form some
idea of the outlook for the future Horticultural development in On acterized of late years by specializa and co-opera the rapid progress of late has been largely by speciali-
zation and co-opera tion, and the reta in ed certainly augur well for the
future. As an indication they go to seed." For the third, ". Send a sample call your attention of the recent prog ture, Ottawa, and have it tested for purity, free of have varied horticultural organizations we now charge." Fspecially would I recommend the latter to ized within the past ten or twelve years organall those who are thinking of sowing lucerne. Let of this country of ours. new pest (Eruca sativa) out

A QUERY IN WINDMILL CONSTRUCTION
ditor "The Farmer's Advocate" Being secretary of the St. Mary's Village
Water and Fire Commissioners, who are installine a water system, and expect to have a windmill Water and Fire Commissioners, who are installing fory local co-operative associations, actively en-
a water system, and expect to have a windmill in the handling and marketing of the fruit or, in all, about fifty organizations under
cor pumping, I would like the manufacturers to or ore the head of fruit-growing.
give a reason, through the columns of your paper, why the fans are made concave. It your Then, we have the Ontario veretable-growers opinion that there is a great loss of power, and Association, another Provincial organization, and my reason is that they hold the wind, insteall of a tiont, organizal within the past two or three
letting it slip off, as it should do top in a sait is just the opposite to what is wanter in a sail-horat: when it is tacking. the sail is all
lowed to hag so that it will holdi the wiml and


Group of Imported Berkshire Sows

growers' Associng, besides our Provincial Fruit growers. Association, which was about the only
horticultural organization heard of about ten or
twelve years organizations in the large fruit centers. of local we have another Provincial organization, the Cooperative Fruit-growers of Ontario, and about orty local co-operative associations, actively enAssociation, another Provincial ogrganization, and
about twenty-five local vegetable-growers' associa natian llortivulural Association, an association


Then，there are the amateur horticulturists
with their Provincial organization and sixty－si） the Province－in all，about one hundred and fifty
purely horticultural organizations There is not another Province in the Dominion nor State in the Union，that can compare with us
for completeness of organization．Does not all this indicate that our people are becoming alive by mutual co－operation，they may make still mare
progress in the future？I firmaly believe that progress in the future？I firmly believe that，be progress of the next ten years will be many time that of the past ten．
Iable statistics as to the status of these or re－ industries．Both the Provincial and Federal Gov such statistics，and I trust that before of getting these figures will be available．The fruit statistics pre－
sented by Mr．A．W．Peart at the last Dominion Conference of Fruit－growers gave us a little idea The capital value of the fruit industry at between fifty－five and fifty－six million dollars， and the annual value of the fruit trade is put at about $\$ 8,000,000$ ．This is merely the fruit－grow ing end o
industries
The eanning industry afforts a good illustra－ ion of the development and progress of some of The allied industries．Fifteen years ago there there are sixty－six，and the number is increasing every year．These factories employ about seven thousand hands，and pay out for produce about $\$ 800,000$ a year．The establishment of so many anng factories within the last few years is a They afford a ready means of disposing of a la ge part of the crop，whereby it can be distributed
to all parts of the country and made use of at all to all parts of the country and made use of at all
seasons of the year． Regarding the
an get，as yet，no reliable statistics，but I think am safe in saying that one phase or the indus－ ry，that of forcing crops under glass，has
oubled many times over during the last five Commercial floriculture is another branch of orticulture that has made wonderful strides with－ hat this trade has increased four hundred per ent．during the past ten years，and now amounts O about $\$ 2,000,600$ per year．
I need not say more along this line．I refer pecializing and developing．Fruit－growers are specializing even in the culture of certain classes of fruits．Vegetable gardeners are specializing in and forcing－house crops．Florists are
pecializing in the production of cut flowers and decorative plants．While the ever－increasing num－ ber of enthusiastic amateurs in both town and
country，interested in all branches of horticulture， ountry，interested in all branches of horticulture， are giving more attention to town and country
cardens or civic and rural improvement．And ior all，in each line of work，the outlook was ever mere promising．
There are，no doubt，a few dark clouds in the pears to be going to stay．But this only means that the men who do not spray will have to go out of business，and the wide－awake，aggressive and progressive growers，who wage war on thore
and all other such pests，are going to grow more and better fruit． quate facilities for handling the fruit crop few matter that was well shown up atel Railway Com－ mission．Such things will be remedied，and the soones the better for all concerned．There will
always to battles to fight，but such fighting keeps always be battles to fight，but such fighting keeps
us keen and on the alert．If you will permit，a us keen and on the alert．say that when，fifteen personal reference，I
years age，I was appointed Horticulturist at the
In Ontario Agriewtura outline and teach a regular
the Domion to
course horticulture．And for years，until the course horticulture．And for years，until the
School Horticulture was opened in Nova Scotia，ours was the only institution in Canada giving－struction in horticulture
At that time，fruit－growing，because of the overshadowed the other branches of the subject and vegetale－gardening，floriculture，and landscap gardening，were looked upon more as side issues and were treated on our College curriculum more
from the standpoint of the amateur．But such is from the standpoint of the amateur．But such is
not the ease to day．These one－time minor fea－
The tures the horticulture of the Province have

canadian fruit list
Editor＂The Farmer＇s Advocate ： would be grateful to individual Horticultural Societies
or Farmers＇Institutes for assistance in or Farmers＇Institutes for assistance in preparing a
complete list of varieties of Canadian fruits，by send ing to him the names of any seedling or cross－bre
fruits of Canadian origin which should be recorded is especially desired to get information regarding local or unnamed seedlings of merit．Please send，if pos－
sible，the originator＇s name，the date name of the place where originated，a description of the fruit，and any other information regarding it．Any or
all of these particulars would be appreciated．Even if the name and address only of the originator were sent further information．The Horticulturist will be ge gla
for to examine and report on the merits of any new fruits
which may be sent to him．Letters and maill parcels ander five pounds in weight may be sent free of postage．
W．T．MACOUN，Horticulturist．

## POULTRY．

## WOMAN＇S EXPERIENCE WITH POULTRY

 Editor＂The FarWe have
We have taken＂The Farmer＇s Advocate＂for
number of years，and like it better all the time． want five my experience in keeping fowl．＇We hav never paid such particular attention to profits as thi year． 1 started in November 1st，1906，with 16 hens February pullets．I didn＇t get any eggs until about ${ }^{1 \text { st of of this year my hens laid } 150 \text { dozen eggs，for which }}$ 11 received the sum of $\$ 35.25$ ．Now，as I killed of and hens in June，since that time $I$ only had 16 hens
and think 22 would be the average of my flock al the year around．You will see that my hens brough
me over $\$ 1.50$ each，which I think is a very good show ing．I fed whole grain in the morring－never mor
than three pints to the flock of 27 －about 1t pints than three pints to the flock of 27 －about 1 pints at
noon，and about 2 qts．hot mash at night；the greater part of the cold weather I fed Indian corn in the morn－
ing．I firmly believe it to be the best ing．I firmly believe it to be the best food to make
hens lay，if used sparingly．But I have had very good hens lay，if used sparingly，But have had very good
results from wheat and other grain fed hot．Our hen house is $12 \times 16 \mathrm{ft}$ ，with cement walls 2 ft ．high，the
rest douhle boarded，with two large wind south． 1 can never get my hens laying before the mid－
dle of January，as every year having them too fat，owing to not having a prope place to keep my fattening fowl，but just feed them al
together．I always keep plenty of grit and fresh water together．I always keep plenty of grit and fresh water
before them，but they scarcely ever get any meat，
though 1 believe meat is a very necessary part of their I do not write this in a spirit of boastúlness，but just to show what can be done with a small flock，and
I think that with the same management（taking care to keep them clean and dry）the same results may be ob－
tained．Now，hoping you may find space for my short letter，and wishing you greater success than ever the
coming year． Haldimand

GUINEA MALE AND FEMALE Editor＂The Farmer＇s Advocate
In reply to $S$ ．L．＇s question re guinea fowl，the
birds are exactly the same in color and appearance，but birds are exactly the same in color and appearance，but
their voices differ．The cock bird has one prolonged
sound，like＂Kurr．． mate is commonly known as＂Buckwheat，buckwheat．＂ a much higher tone than the other syllable．I have
raised these birds，and know this to be the correct
answer．
WM．H．HALL．
$\qquad$
INote．－＂Lash，＂Kent Co．，sends a similar answer，
but adds that the male bird has larger wattles than

## ROOSTING COMPARTMENTS

In your issue of Sept．19th last there description，by Mr．A．F．Hunter，of the curtain front house owned by Prof．Gowell，Maine Agri cultural College．In this house the compartment are each 20 feet by 20 feet，making 400 squar feet floor－space，and the roosting apartment the and of wall， 4 feet 10 in ．wide this not three roosting poles．Now，would from the operator＇s standenent rosy often a poultry－keeper requires to handle his birds at night，and it would be simply impossible to reach the drapping this case．Then，for removing tion，reaching so that，in order to accommodate may be argued room $20 \times 20$ it is necessary to 100 birds in a es．Well，this raises the question three perch－ hens too many for a house of this size It may give good results（and evidently does）where would of skill and care are at work，but I and skill，operating upon several subjects，be very chary about putting up 100 hens in a pen 20 by 20 feet．But，if it is necessary or desirable so to do，would not a longer and narrower building 30．In this would equal in length the three roosts across the narroot pen．There are other reasons why the naturally work gives best satisfaction．The hens nd the operator is kept constantly kicking and duced to a minimum in the narrow pon，because the whole pen is light．This has reference to the
open front．When the litter must be brought orward，it is less work to bring it across a 12 or 14 －foot pen than a 20 －foot one．Then，the sun，that great cleanser and disease－germ de－
stroyer，has full action upon every portion of the narrow pen In building，there are many things to ob－
serve，in order to＂get the best results and have
the greatest serve，in order to＇get the best results and have
the greatest possible convenience．It is too
much to expect that we may ever reach perfec much to expect that we may ever reach perfec－
tion，but we want to come as near to it as pos－
sible．
J．R．HENRY． Wentworth Co．，Ont．
［Note．－The Gowell poultry house was de－
scribed by Mr．Hunter in a paper prepared for the Natibed by Mr．Hunter in a paper prepared for the on＂The Curtained－front Poultry House，＂the particular feature commended being the curtain number of birds to a pen was quoted incidentally and allowed to stand for what it was worth．Ou correspondent is quite in order，however，in draw ing attention to the fact that 100 breeding fowls
are too many for the ordinary farmer，or for that matter，the expert poultryman，to attempt to house in one compartment．The shape of building and its appointments afford room for
difference of opinion，and all shades are invited．－

CARBOLIC ACID FÓR ROUP IN TU̇RKEYS A few years ago I had some turkey eggs given to
me，and had splendid success in raising them． a young tom，and kept two of my beat hens．I go where the trouble arose：I thought it cruel to leave
them outside，and put them in the warm henhouse，with the usual result－roup．They began to suenere，with
aneads to swell．We worked with them every day，tried heads to swell．We worked with them every day，tried
different remedies till we got tired of tit，then thought we would try carbolic acld．We took a sharp－pointed
knife and opened the swelling close to the biH，then took a smanl feather，dipped it in the acid（full strength），and，alter squeezing all the matter we could
from the swelling and nostrils，inserted the feather in
both the opening and notrite， both the opening and nostrils，and inte the shit tn
roof of mouth．I think it was only about twice to had to use the treatment．They got over the diease and laid well in the spring，but in the fall roup ap have never the young ones，so 1 got fresh stock，and outside，except in very bad weather．them to rost
Wishing outside，except in very bad weather．Wishing＂The
Farmer＇s Advocate＂the best of success．
Bruce Co．
GEO．H．TOLCHARD．JR．

## INDISPENSABLE EVERY WEEK

1 have received premium knife for sending you pleased with it．I think it is well worth $\$ 1.00$ I read many valuable articles in your paper which be lost without my＂Farmer＇s Advocate＂every
e．H．WESTBROOK．
week．

## APIARY.

## rEEDING IN COLD WEATHER.

It sometimes happens that the beekeeper find year that, either through carelessness or tack opportunity to give it proper attention at the proper time, is short of stores to such an extent that it will certainly starve to death before spring unless something is done to help it, and often be cause the owner does not know just what to do and how to do it, the unfortunate bees are left to
their fate, and the unfortunate owner is out pocket to the extent of their ovalue. The dis crepancy in weight is usually discovered when the hive is lifted to te carried into the cellar, or is being prepared for packing on its summer stand
and the owner wonders how he came to miss it and the owner wonders how he came to miss it
at the general feeding time, and what is to be done with it now. The bees cannot be fed lo be
feed now, as they could feed now, as they could have been two or three
months ago, for the weather is too cold for them months ago, for the weather is too cold for them
to leave their cluster to carry the feed from the feeder, and it could not be properly ripened and seaded up even if it should be stored in the combs. It is obvious, therefore, that some other method ply a colony with food at this late season of the year is to make "candy" of white granulated sugar and water, and lay the cakes of candy on top of the frames directly over the cluster of bees, so
that they can reach it without leaving the cluster The candy is made by placing granulated sugar in a vessel with just enough water to moisten then place the vessel on the stove and melt up the sugar. Let it boil, and stir it occasionally until
it is "done." To find when this stage is reached, dip out a little with a spoon every few minutes, and stir it on a cold dish. When it will cool hard and white, without any stickiness, it is done.
Have ready a pan or dish of some kind-a souar cornered pan is handiest, as it makes a cake of candy of a shape most convenient to lay on top of the frames of the hive-pour the material into
the pan, having first very lightly greased the latthe pan, having first very lightly greased the lat-
ter, or, better still, lined it with paraffine paper, to prevent the candy adhering to it when cold. Stir the candy while cooling, until it becomes to
stiff, and, when it has hardened and cooled. stiff, and, when it has hardened and cooled, r
move it from the pan and place it on the fram directly over the bees. Cover it up with several thicknesses of cloth, if in the cellar, and with a cushion in addition, if outside, and there you
are. Ope very important point to remember is are. One very important point to remember is the sugar become burnt or "scorched" in the melting, as candy that has been even slightly burnt
will kill the bees sure if fod to them. If it should become burnt. it must be discarded and a fresh lot
made. Within the last few ful beekeepers in various parts of the country have sugar, just as it comes from the ordinary loaf very slightly moistened with water. If this can be used successfully-and it apparently can be-it
will do away with the necessity of making candy as described above. The candy. however. has ased where bees have to be fed in cold weather

## THE FARM BULLETIN

RE TELEGRAPHIC SERVICE FOR CANADA.

$\qquad$ prastical results of another year's work, assembled in
large numbers in the Massey Hall, Ontario Agricultura
College, Guelph, on Dec. 9th, week of the Winter Fair.
$\qquad$ districts, and classify the results of experiments
aach. The districts should be divided according soil and climate. He closed with an eloquent appeal
$\qquad$ W. L. Smith supported the President's proposition purposes.
He deplored the fact little voice in political matters, and said that the re cently-amalgamated Grange and Farmers' Associations


Prof. C.A. Aaritz, Secretary, reported that some to regulate the sale of feeding stuffs, and a larger tmount of co-operative experimental work has been
onducted than in any previous year. In 190 , nearly S(0) farmers, fruit-growers, gardeners, poultry-raisers work at their own homes, the work increasing it volume and importance in all departments. The ex-
perimenters deserve great credit and sincere thanks for perimenters deserve great credit and sincere thanks for
the excellent work which they are doing. The average increase in yield of grain per acre for the three principal
cereals grown in Ontario, for the ten vears from 1897 to 1906, inclusive, over the average yield per acre Cor the ten years from 1887 to 1896, inUnion, however, has a marked influence by the introduction of superior varieties of crops. and in the 1.693 experimenters have made cood reports of than blly-conducted expriments in goon of twiof success years previous to 1907, and some in each of ten or more
years. The work of the Fixperimental 'nion will continue to grow in efficiency and in influence, and
similar work will gradually spreatl over many countries of the world as its true value heromes better known and more thoroughly understood by the people. cently in Scotland, and in each of at least seven of the States of the American Tnion. Inder date of Sep-
tember 11th, 1907, I received a letter from Professor R. B. Greig. of the Agricultural College at Aberdeen. Scotland, from which 1 quote the following: "Ou
work here is extending, and it will interest you t. Work here is extending, and it will interest you to
know that we have started an Experimental Inion nut as yet, of course, on a small scale." Only the
other day I received a letter from Professor Bailey, of Cornell iniversity, in which he says. "I look upon
your Fxperimental Union as the leader in this kind of work." And also another from R. W. Silvester,
Precident of the Agricultural College at Maryland, in
which ho which he says: "I feel sure that you are in closer
touch with the active farmers in the Province of Ontario, than is the case with any other institution in
the Western hemisphere," Probably most of the furiw the Western hemisphere," Probably most of the farm-
cres of (ntario. "hen carrying out their individual ox
periments at their own hoines, do not realize that the periments at thair own homes, do not realize that the
very work they ure performing so faithfully is not only helpful to themselves and to their fellow farmers, but
that the whole movement is beine watched and cuen followed by the people of other
conp:rative Expmimis Professor H. 1. Hutt had the honor of making th particularly emphasized the fact that in we. Lometables. way and 1wacher and pupils in the school gardens.
The crops with which experiments were conducted "ore Inwts, carrots, wettuce and tomatoes, three of the
 one of the best. The other two are new varieties. sults of the test go to show that Eclipse was thi
favorite with the majority of the experimenters, as it quality. Early Model ranked second in popularity, and Black Red Ball third, although many of the experi menters state that the latter was of better quality smaller and later in maturing than oithers. It is Carrots. The varieties distributed were Chanten Thnvers Half-long, and Rubicon, and they ranked in Chantenay is an old standard variety, which matures early, is of fairly large size, and good quality. The others are newer varicties which do not mature quite suality and good quality Black-seeded Simpson, and Denver Market. There was much diversity of opinion among the experimenters regarding the results of the experiments with lettuce.
Most oi them conceded Hanson to be the strongest growing variety and earliest maturing, but Black soeded Simpson and Denver Market mado finer heads and were of better quality. For general popularity, hey ranked in the order given
principal where school gardens says: "My children 'were delighted with the experiments. and followed your directions as closely as pos-
sible. We took $\$ 19.00$ in prizes at the fall to all. We had the best exhibit this yent at the Carp and Huntley fair. Hope you will again favor us with the opportunity of conducting experiments. Tomatoes.-The varieties distributed were Earlian ${ }_{\text {a }}$ warm season to mature a full crop, naturally the sults with this experiment depend largely upon the sea son and locality, In northern sections of the Prov
ince, where the seasons are shorter ince. where the seasons are shorter, omly the earliest stason. like the one we have just had, even the earliest kinds do not always ripen. Earliana being one of the arliest varieties known, naturally gave the best
cults this year in most sections of the Provine sults this year in most sectious of the Province.
southern sections. however, where tomatoes are largely grown, the Success and Stone, which are much latgely Judges at fall fairs should consider the quality. judging garden vegetables. for it is not the largest
$\qquad$
$\qquad$
$\qquad$ jority have some slight doffect which condemns them for and probally in every experimenters in every county,
and has proved itself tretter than the famous and popula Mandstheuri. The common emmer didd remarkally well. and ought soon to have a good standing among field
rroiss. The Genesee Valley corn, sent out in 190 f for h. first time, gave a most remarkable result, yielding 1,460) pounds per acre, while the fortuer champion was
lown 150 pounds, and had poorer quality besides. In he mixtures exporiments, one bushicl Dauteney oats and ne bushen Mandscheuri barley, sown togrther for th.
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$\square$
nectember 19
 0
 mangel obtainalile, and exceeded ed then the second-beest

 The Japanese Common and the Japanese Panicle
millets have proved exceptionally good tor todder in






 home ise. and is the eryy choicest quality the be
As th. experimenters are becoming much better du-
ated and efficient, the oxypriments are incresing in


 Milied when the potanoos were planted, by mixing it
i.roadcast in the surface soil.

THE FARMER'S ADVOCATE. artment, ottawa
 one topic only, viz. .'The Naming of the Farm Home., The value of a name to live up to was proved, ex-
emplified and strongly impressed. More pride in the profession is required. Name the farm, nide in the the the
products, and improve the place, and increase its profits. An apt suggestion offered the O. A. C.
students was to have letter-heads printed, with the
name of the farm and owner, and sent as a Christmas

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\begin{aligned}
& \text { FEEDING-STUFF CONTROL } \\
& \text { fesent parents. }
\end{aligned}
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\begin{aligned}
& \text { FEEDING-STUFF CONTROL. } \\
& \text { W. P. Gamble reviewed the subject of "Le }
\end{aligned}
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\begin{aligned}
& \text { FEEDING-STUFF CONTROL. } \\
& \text { Gamble reviewed the subject of "Legislative } \\
& \text { Feeding Stuff," which has received con- }
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\begin{aligned}
& \text { Control of Feeding Stuffs," which has received con- } \\
& \text { siderable attention from this Association in years gone } \\
& \text { bo }
\end{aligned}
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& \text { Investigation and analyses amply justified the de- } \\
& \text { mand for legislative oversight in order to the protec- }
\end{aligned}
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& \text { mand for legislative oversight in order to the protec- } \\
& \text { tion of tarmers. At the annual meeting last year, a } \\
& \text { aco }
\end{aligned}
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\begin{aligned}
& \text { tion of farmers. At the annual meeting last year, } \\
& \text { resolution was passed which advised as follows: }
\end{aligned}
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\begin{aligned}
& \text { resolution was passed which advised as follows: } \\
& \text { (1) That each package of commercial feeding stuffs } \\
& \text { should be labelled with the percentage of protein and }
\end{aligned}
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\begin{aligned}
& \text { should be latelled wick with the of commercial feeding stuffs } \\
& \text { (atage of protein and } \\
& \text { fat contained therein; } \\
& \text { (2) That the term bran should }
\end{aligned}
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\begin{aligned}
& \text { at contained therein; (2) That the term bran should } \\
& \text { be legally defined; (3) That conies of the resolution } \\
& \text { hhould be sent to Farmers' Institute meetings to be }
\end{aligned}
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\begin{aligned}
& \text { should be sent to Farmers' Institute meetings to be } \\
& \text { signed by the members, and forwarded to the Minister }
\end{aligned}
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& \text { of Inland Revenue as a petition. A short time ago } \\
& \text { he wrote Mr. Gerald, Deputy Minister of Inland } \\
& \text { a }
\end{aligned}
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& \text { ne wro Mr. Gerala, Deputy Minister of Iland } \\
& \text { Revenue, asking what action had been taken or was }
\end{aligned}
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\begin{aligned}
& \text { matter is receiving the consideration of the Honorable } \\
& \text { che Minister of Agriculture and of Inland Revenue, but }
\end{aligned}
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\begin{aligned}
& \text { to say. In conclusion, Mr. Gamble moved the follow- } \\
& \text { ing resolution: That this meeting approve of the action }
\end{aligned}
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\begin{aligned}
& \text { ing resolution: That this meeting approve of the action } \\
& \text { taken at last year's annual meeting, and that we again } \\
& \text { urge upon the Honorable the Minister of Inland Revenuag }
\end{aligned}
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\begin{aligned}
& \text { urge upon the Honorable the Minister of Inland Revenul } \\
& \text { the desirability of a law enacted on the lines of last } \\
& \text { year's resolution. Carried. }
\end{aligned}
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\begin{aligned}
& \text { the desirability of a law enacted on the lines of last } \\
& \text { year's resolution. Carried. } \\
& \text { It was claimed that carloads of weed seeds and }
\end{aligned}
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\begin{aligned}
& \text { year resolution. Carried. } \\
& \text { It was claimed that carloads of weed seeds and } \\
& \text { screnings were sold from the elevators at Fort } \\
& \text { Willinam and aterempre }
\end{aligned}
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\begin{aligned}
& \text { William and elsewhere, and mixed with a corn or bran } \\
& \text { base. and sold throughout the East, and men were }
\end{aligned}
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\begin{aligned}
& \text { base, and sold throughout the List, and men wer } \\
& \text { actually taking credit to themselves for starting that } \\
& \text { industry. It was also asserted that sawdust was te }
\end{aligned}
$$

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\begin{aligned}
& \text { actually taking credit to themselves for starting this } \\
& \text { industry. It was also asserted that sawdust was to } \\
& \text { ing palmed off as bran. }
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$\qquad$
Mr. C. C. James, Deputy Minister of Agriculture
gave an address on ". Agricultural Instruction ") pre liminary to the reports of the six pioneer agricultura
highschool teachers. He reviewed the attempts to introduce the study of agriculture into the public Schools from the time when Dr. Egerton Ryerson
issued his first excellent book on the subject, and it Sailed. Subsequent works also failed to give the great
sulject of agriculture a standing in the school course in any way commensurate with its importance. There day, except nature-study. in the schools of Ontario to-
It was now proposed to
begin at another point, and gradually lay a bat begin at another point, and gradually lay a basis
that would finally carry agricultural teaching through
the whole school system. Contemporaneous schemes were proposidery the Ministers of Agriculture and Edu-
cation to promote tinis kind of education. The two cation to promote this kind of education. The two

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\begin{gathered}
\text { Average Yield per Acro- Potatoes. } \\
\text { Weight } \\
\begin{array}{c}
\text { I ear } \\
\hline \text { Tests. }
\end{array}
\end{gathered}
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$\qquad$ Prof. H. L. Hutt reported that Clyde and Tennessee ones of the best early varieties.
Among the raspberries, the tavorite varieties have
 Wack raspberries, (iregg has been the most pro-
ductive. but is
dict , hot hardy enough for the northern

 "1x of the strongest. hons of the errerinince, and have proved more or less of a failure where tried in northern sections, Agawam
is one of the hardiest varieties, while Kititinny is the
tivorite waioty

 White currants, and is much prized for home use. Lee's
Wrolific has been one of the most provactive of te
Whack varieteies, although Black Victoria, a newer

 wime seasons it is subject to mildew, with which the






classes in agriculture would be very popular in the
high school, so an office was established at each center,
and the instructor encouraged to get into touch with the farmers, and induence them gradually to the walue
of the new education. given immediately after Mr. James' address showed
that the result was and that the result was as anticipated. The movement $r$ e
ceived sympathy irom ceived sympathy irom the best minds of the several farmers, generally. As many as eight students were obtained in some schools, and none at all in others.
Some of the instructors wished moved of the instructors wished, at times, to be re-
movem this vale of tears, but they all kept moved from this vale of tears, but they all kept on,
and worked feithfully and well, and, even in the three months since the work was inaugurated, have accom-
plished much towards mater pished much towards making this high-school teaching
and agricultural office center a permanent ind and arricultural office center a permanent institution,
and one that will eventually be established in every
county in Ontario county in Ontario. They have used various methods
to accomplish their terelished in every to accomplish their results. Nearly all are establishing
short courses, which will popularize and short courses, which will popularize and pave the way
for agricultural study. R. S. Hamer,
students
taking
the equivalent to the first year at the O. A. C.
Hart, of Galt, has eight, but
F. C. pupirs, who will train as speciahists in poultry, ent tomology, etc. F. H. Reed, of Lindsay, poultry, enhard among the farmers, and is assured of a good at-
tendance at the extensive short course to be shorty started. A. McKempy, of Essex Co., has bust held preliminary short course, attended by sixty, and is assured of a good number hor his winter course. W. A.
Munro, of Morrisburg, bad to go out to Munro, of Morrisburg, bad to go out to the highways at first he was received in "the same and, though bookseller or pedlar," he has theen welcame on better acquaintance, and is really getting a frrm hold on the
situation. Where there was not an interested person situation. Where there was not an interested person in
attendance at his first meetings, he now has thusiastic gatherings at some points, and the work the botany and zoology subjects in the institute take thus gets in touch with the pupils into whom he in tils an "agricultural tendency." A good plot for ex perimental purposes has been secured; several short
courses at various points are being arranged courses at various points are being arranged for, and
much agricultural leaven introduced at teachers' meet-
ings

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\begin{aligned}
& \text { The discussion revealed great satisfaction over the } \\
& \text { excellent beginnings made in this work, and encouraged } \\
& \text { the "boys. who were so efflciently, working }
\end{aligned}
$$ difficult boys were so effliently working out the On Monday evening the ex-students were entertained The election of officers resulted as follows: President, G. A. Brodie, Bethesda, Vice-President, P. O. Blenheim : Secretary, Professor C. A. Zavitz,

C.: Assistant Secretary, Lecturer J. Buchanan Secretary, Lecturer J. Buchanan,
Treasurer, Professor H. L. Hutt, A resolution was unaminously adopted, asking the ments to discover the value of bees as pollinating

EXPERIMENTAL FARM FOR MEDICINE HAT.
As intimated in these columns some weeks ago, a
movement was under way for the establishment of experimental farm at Medicine Hat for the demonatrafion of dry-farming methods, along the line advocated Board of Trade procured land within two milees of the city. In addition, the Canadian Paciftc have promised Minister of one hundred dollars. Hon. W. T. Finlay, scheme his personal support, and promises substantial lovernment aid for the project. He advises the placliable, practical a demonstration farm in the hands of reand the Department of Agriculture Agricultural Socid have cotidience. The work will likely be carried on under the

ORTHCOMING EVENTS

Jan. 6th to 11 th-Eastern Ontario Fat-stock and Poul
an. 8th, 9th and 10th-Eastern Ontario Dairymen Association, Picton
cration
n. 28th to 30 th-Nova Scotia Farmers' conventio Feb. 4th-Annual meeting Dominion Shorthorn Asso eb. 12 th to 14 th-Ontario Horse-breeders' Show, ToMay 4th to 9th-Canadian National Horse Show, To-

## The Ontario Provincial Winter Fair.



| $\qquad$ single wetherser $\qquad$ <br> he hands of R. II. Harding llornd showing intleed in on \& Son, Milton; Harding winning for ewe under a class first for yearling wether, aiso championship of the section and for three undor a sear Robertson won <br> and second in single wether under a year, and first <br> Hampshire ag <br> shown. the former clacsed together, were Telfer Bros., Paris; and Suffiolks by James Bowman, Guelph. Kelly was first in ewe lambs, and hownal second; while in yearling wethers and wether lambs Bowman was first and champion with his excellent <br> yearling wether, full of good fesh. with his excellent In (irades and Crosses (long-woolted) there wns <br> splendid showing. the first award in yearling wethers <br> going to L. P'arkinson, Framosa; in wether lambs, first to E. Brien \& Sons, Ikivkotown (the later also wither <br> ning for three lambs); Rawlings \& Bailey. Forest, being <br> ship, with his excellent yearling wether. <br> In Short-wool Grades and Crosses, Doordville, \&ot Camp- <br> for yearling wether, for wether under a year, and for <br> ship with their yearling wether. In the vearling class sital <br> whin kelly was a good second. <br> SWINE <br>  <br> Wass of two purn-l,reds, there were out for competition $\qquad$ $\qquad$ $\qquad$ <br> and James Wil | $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ <br> DRESSED CARCASSES $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ <br> THE POULTRY SHOW |  |
| :---: | :---: | :---: |

Single-comb Brown Leghorns, w. O . Garvey, London, tional Exhibition with a view to getting a secon
was extensively was extensively successful, winning many firsts. His representative.
best hen was a beauty-perfect in shape, coloring and Motions were voted upon as follows: "That this
feathering-and won four specinls and ribbons for best feathering-and won four specials and ribbons for best
shaped and colored female of its breed. In Rosecomb Brown Leghorns the old rivals, Wm. Cadman, St. Thomas, and Wm. C. Wilson \& Sons, Hawkestone, had a
great battle for supremacy. and Wilson's birds that won first at Toronto were turned down to second place in some classes. Wm.
Cadman showed an extra fine hen, which won six speCadman showed an extra fine hen, which won six spe-
cials besides first for him, but was a little off in shape. Wials besides irst for him, but was a little off in shape
. Wilson won first on cock, as at Toronto, and would have won more if his birds had been in good
condition. condition
ever seen here, and from the appearance was the largest ever seen here, and from the appearance and quality of
the birds they are bound to become more popular than at present. Emil Warkel \& Son, Waterloo, were prom-
Inent winners, taking first in hen and cock. Inent winners, taking first in hen and cock.
The exhibit of water fowl was large and of go quality. In Rouen ducks, Baker Bros., Guelph, won first and second on old male, frst on old female, and first on young male; C. \& J. Bogue, Strathroy, took
first and second on young females. In Pekins, C. J. Lawrie, Maple, took first and specials on both old ma and female ducks-these two being an exceptionally
good pair. Baker Bros. won first on young male and second on female. Indian Runners were exhibited only
by T. H. Scott, St. Thomas, Ont., who cleand Gee. Burns, Tillsonburg, had two pair of fine wild geese, which attracted much attentio
Embden geese were the largest
$\begin{aligned} & \text { Embden geese were the largest entry in point of } \\ & \text { numbers. } \\ & \text { Baker Bros,, Guelph, were prominent win }\end{aligned}$ ners, getting first on old male and first on young male. A. McDougal \& Sons, Milton, took first and second on females, old. Scanlon Bros., who won so largely in
the dressed exhibits of geese, were not nearly so sucthe dressed exhibits of geese, were not nearly so suc-
cessful in the live classes, getting only a first on old female. In Toulouse, Baker Bros. again won, taking two firsts on young male and female. Chinese and
African geese were exhibited in large numbers, and all Arrican geese were exhibited in large numbers, and all
the exhibits were high-class.
The exhtbit of turkeys was the largest ever shown The exhtbit of turkeys was the largest ever shown
at Guelph, the Bronze variety predominating almost ex at Guelph, the Bronze variety predominating almost ex-
clusively, only a few white and Black turkeys being shown. In Mam. Bronze, W. J. Bell, Angus, won wriz
startling regularity, losing only one important prize starting regularity, losing only one important prize,
and that a first, to Chas, Gould. Glencoe, for turkey
coolk. Mr. Bell has the finest collection of Bronze turcook. Mr. Bell has the finest collection of Bronze tur-
keys that could be found, and now enjoys an internation
stuff.

DRESSED POULTRY.
Without doubt this year's exhibit of dressed poultry Was the largest in numbers and the finest in qualit
ever exhibited. The birds were nearly all of color, were carefully picked and prepared for show, and were, all plump and attractive looking. Speaking of placed the awards. A. lady had on exhibit large entries in chickens, ducks, geese and turkeys. All her entries were very fat, plump and well prepared, and
were fine looking, but she only took one premium, were fine looking, but she only took one premium, and
that a paltry thind. She naturally wanted to know of the judge what was the matter with her birds, and
the judge, Prof. Graham, said : "Color. All your binds are yellow. If they were white-fleshed they would stand chance of winning." And that lady will not feed her
next year's exhibition birds on corn again, but will likely come back with a string of whiter birds and take her due share of prizes. Such are the lessons learned
through defect. In dressed fowl, J. E. Mounce, Armstrong Mills P antered looked plump and well fed, and white in colo Adam A. Armstrong, Fergus, was another large winner
There was a large entry in dressed ducks, but the quality was only average, all the birds being slightly
deficient in color.
Woodron \& Sons. Beaconsfield, Que. were the principal winners; Isaac T. Knight, Guelph won first for dressed pair.
In dressed geese, Scanlon Bros., Ennotville, made a lean sweep, and deserve special mention for their fine
display. All the birds shown were not too fat were white in color, and tastefully prepared for exhi it. oth entry, and took all the prizes. Their hirds were
not exceptionally large, but showed good color of flesh and skin, and indicated that they had been carefully asted before killing
$\qquad$ situated as it is away at the back of all the other space. Unless one looks specially for the dressed ex-
hibit it will very likely be missed. Here, as in all ANNUAL MEETING OF WESTERN ONTARIO The annual meeting of the Western Ontario Poultry
Association was held in the City Hall. Guelph, Association was held in the City Hall, Guelph, on
Thursday. December 12 th, berinning at 1.30 p m.
The President, Wm. McNeil, in his opening remarks referred to the great success of the present Show, stat-
ing that it was the largest exhibition of poultry he
had ever seen, either in the had ever seen, either in the United States or Canada. As President, he expressed gratitude to specialty clubs
and the varions individuals and committees who had
worked so hard to make the Show what it is; and hlso
 Association apply to the Canadian National Exhibition for the admission of two delegates as formeriy, and given representation, as well as the Confederation Local Poultry Associations of Ontario." Carried. succoss of the poultry department of the Canadian National Exhibition depends on the action taken by that
Exhibition in the erection of a new building for poultry and the restoration of the prize list to its old form.
Carried.
.. That the Provincial Winter Fair Board be requested to mations may be given admission to the winter associations may be given admission to the Winter
Fair along somewhat similar lines as the Farmers' InStitutes." Carried.
"That this Association send a deputation to Otta wa to interview the Minister of Agriculture, and ask wa to interview the Minister of Agriculture, and ask to exhibitions may be shipped on Sunday." Motion It was suggested that exhibitors, beyond a certaj distance from Guelph, slould be allowed until Tuesday morning to get their birds into the show building. This consideration.
$\qquad$ be done for the pigeon department in classification and The election of officers resulted: Hon. Presidents Hon. Nelson Monteith, Toronto, and Dr. A. W. Bel
Winnipeg. Man.; President. Wm. McNeil, London Winnipeg, Man.; President, Wm. McNeil, London ; 1 ,
Vice-President, Allan Bogue, Woodbank: 2nd Vice President, W. J. Bell, Angus. Directors-L. H. Bald win, Deer Park; A. W. Tyson, Guelph; G. G. Hender-
son, Hamilton: T. H. Scott, St. Thomas; J. R. Laid-
law, Paisley : R Oke law, Paisley; R. Oke, London: N. K. Cornwall,
Thamesville : C. H. Wilson, Hawkestone. Representatives to the Canadian National Exhibition-Wm. My
Neil, London; Wm. Barber, Toronto (second representu Neil, London; Wm. Barber, Toronto (second representa
tive if two can be secured). Representatives to Western Fair. London-J. H. Saunders, London: R. McCurdy London. Representatives to Provincial Winter Fair-
$\mathrm{W}_{\mathrm{m}}$. McNeil, London : A. W. Tyson. Guelph: I.. H.
$\qquad$
$\qquad$ elected Directors met in the City Hull.
The following recommendations were made to th Winter Fair Board regarding changes in the classifica-
tion of the prize list: That Chinese geese have two clusses, one for white Chinese geese and one for Brown Chinese geese. That
the Buff Leghorn class read, S. C. Buff Leghorn; the Buff Leghorns, Re,
class. That classes be added for Pit Games. Indian Rhode Island Reds be added to the sale class. That section for Asiatics be added to the sale class.
On motion it was resolved that an additional $\$ 100$ tribution of this amount be left to the Canadian Pigeon Fanciers' Association.
Appointment of pudkes for the show of 19018 All
Plymouth Rocks-D. Schwanh, Rochester Orpingtons and all Leghorns except R. C. White-R Oke, London; Minorcas, Spanish, Black and White
Orpingtons, Andalusians, Dominiques, Javas, LaFleche and Creve Cours-N. Cosh, Pt. Dover: Games, Game
Bantams and all Asiatics-S. Butterfield. Windsor Ornamental Rantams, Silkies, Sultans, Hamburges Wm .
McNeil, dottes except Partridge James Tucker. Concord, Mich. Partridge Wyandottes, Polands, Dorkings, Red Caps
Houdans and water fowl-L.. Javvis, Montreal ner. Toronto: ornamentais-Wm. Barber, Toronto: uti ity per and dressed pouitry-Wim. Barber, Toronto, an
W. IR. Graham, Gurlph. CREAMERYMEN'S MEETING AT GUELPH Western Ontario, was held at the Dairy School BuildTint of the Ontario Agricultural College. Guelph. on thi
afternoen of Thursday De. . 12th. Mr. John Mc
Quaker. Owen Sound. president of the Western men's Assciation. oceupied the chair. There wery
mbout
an present during the afternoon. All pre nompert the meeting a very successful one Several
peoints of areat interest and value to creamerymen and
huteranakers "ere discussedl Among these may be
mentioned cream. Whas hing samples when testing with the Bab-
cock test. duturmination of moisture in lutter by short methods practicalbe for creamerymen atyd trans
portation of dairy products. The livelust discussion

 "onenco fow hamtink and handlum at the creamers, and
independent party to investigate the actual conditions of separators on the farm, and publish the results,
that persons might be warned against the purchase
these poor machilles. Instructor Robertson wus
pressed very hard to name the firms who were sendinu out these poor machines, but, with true Scotch canni ness, he would not be trapped. Instructor Fred Dea also had similar complaints to make about inferior
machines being sold to patrons. It would seesn as if this question is one whire
ought to be investigated by someone, and let the fact be known, no matter who may suffer. R. W. Strat ton, Instructor in Separators at the Dairy School of
the O. A. College, said that the various machines the Dairy College, said that the various machines at was not much difference in the various makes. would appear that somo of the manufacturers aim to is sold to the general public. Chief Instructor Herns was the first speaker of the Arternoon, After a brief address of welcome from the
Head of the Dairy Department.
He reported
73 creameries in operation in Western Ontario during the
year. of these, only two received whole milk entirely year. of these, only two received whole milk entirely,
and the remainder were either cream-gathering or mixed whole milk and cream-gathering. Sixty creameries now pay patrons by means of the Babcock test. The re mainder continue to use the oil-test churn. Four scales. Combined churns were found in 68 creameries Seven creameries use pasteurizers; 12 use culture for ripening the cream; 24 use coolers for cooling creaw Fifty-nime creamer and storages, in many cases. were nter good, tour creamerie
have no cold storage for butter. The total amount of money expended on improvements during the year
Instructor Fred Dean thought that week' the Dairy School would be excellent for cream haul rrs, many of whom did not know good from bad cream it was difficult to get an improvement in the quality cream so long as two or more wagons from differen
creameries travelled over the same route. If the cream was rejected by one driver it would be accepted ty the was rejected hy one driver it would be accepted ty the
other. He said that many buttermakers keep no record
of their work, and do not know how much of their work, and do not know how much rutter they
make daily, weekly or for the season. A maker needs to study his business and make first-class goods all the who receive one or two lots of poor butter will look elsewhere for their goods. Many of the monthly state
ments sent to patrons were very unsatisfactory Instructor Robertson thought that the lack
proper care of the cream by the patrons was one of the greatest drawbacks to the creamery system. A He said
makers were to some extent responsible for this quality of cream, because they accepted all kinds. But
termakers should do more outside work among the watrons, and urge them to put up a supply of ice during
the winter. Many patrons would not know the butier naker if they met him on the street. Sumetimes
$\qquad$ thought the small "overrun" in some creameries we due to carelessness of cream haulers in weighing and cream and you mary get 30 to to 35 ," "was his comment n the question of a delegate who asked if $40 \%$ cream hought cream testing over $35 \%$ fat was difficult to get
put of the can, and was more wasteful than $25 \%$. 30\% cream. Mr. Snith, of Alton, suggested that cream
erymen get reports of the kind of separators the patrons of the various creameries, take notes by quality of cream supplied, etc., and report at the nex
meeting. Mr. Adam Bell., Tavistock, thought that mucl foor cream was caused by having separators in the
table. One of the instructors said he know rator being in the hogpen, or a place partitioned off Mr. Wiancko, of British Columbit, said he had found
 butter of fine quality.
Mr. Mrill. of Teeswater, opened the discussion on Mr. J. I. Scott's paper on the scales for weighing
Mabicock samples of cream for trating Cemen strongly recommended the scales in preference hour was quite possible ry using the scales, balancing
12 bottles at once. Mr. Brill said ane difficulty at first with their patrons, who were "xplaining the difference between butter and buter-fat,
all were now botter satisfied thap when the oillest was
ussed.
$\qquad$

THE FARMER'S ADVOCATE
inspectors on the shith, und in in (iray compripainy regargon
on temperatures, ete.
 of sutter shipped. The The sail sason, and shall amount
ers in in some not fill the bunk overcome henting at the freizht sheds while waiting foll
freight trains, he thought small refrigerators should provided by the railuays, where the business would be
warrant the same. Transhipments at Toront of cars not being filled on arrival at this point was
also detrimental. Warm dairy butter in the some as creamery butter was something which they same car to overcome. The Dept. found it diffcult to refuse
dairy butter, especially when the cars were not full of
crenmery luitor creamery butter. They recognized that the service was
not perfect, but they were doing everything possible to hot perfect, but they were
bring about improvements.
Mr. Burgess explained that there were but $t_{o}$ icing
stations on the G. T.R. west of Toronto, viz., Palmer ston and Stratford. Sometimes cars were iced a day
or two before loading, and much of the ice became melted before leaving the icing station. The cars usuarrival in Toronto. Some merchants would deliver
dairy butter at the ereight dairy butter at the freight shed the night before ship-

ping. This butter was too warin to | with cold creamery butter. He thought creamery-butter |
| :--- | ackages ought to be branded as such, in order to pre

vent mixing with creamery lots. Mr. H. I. Fulmer, of the Chemical Department of ot short tests, such as the "Gray" and "Beaker," with sive and takes too much time for buttermakers to use Nerything considered, he thought the " Beaker method the one most suitable for buttermakers to use
The results compared very favorably with the " "fficial and the apparatus was very simple. There was no expensive glassware nor chemicals in connection with the
test. The time required was about 15 to 20 minutes THE DAIRY TEST.
The twodays' test of dairy cows in connection with out rather fewer entries than last year, but a higher ad performance, the Holstein breed being most strong y represented, especially in the younger class, the Ayr y represented, especially in the younger class, the Ayr-
shires being close competitors in all respects, and making matters exceedingly interesting for the Black and ing matters exceedingly interesting for the Black and to be in peril of being wrested from them. The five-year-old Holstein cow, Evergreen March 3896, owned
by G. W. Clemons, St. George, Ont., made the highest record of any cow in this competition, namely, 139.82 ros. milk in the two days, testing $3.4 \%$ fat, and scoring 155.57 points. She is a cow of strong constitution, ne conformation and the sixye was hire cow, Jean Armour 15591, owned by Geo. Rice shire cow, Jean Armour 15591, owned by Geo. Rice,
Tillsonburg, whose record in this test was 114.26 lbs. milk, testing $3.8 \%$ fat, and scoring 139.70 points. In the Shorthorn class, the nine-year-old cow, Kentucky Queen, owned by Jas. Brown, Norval, gave 91.32 lbs. milk, Cesting 4.1, and scored Queen, shown by Geo. Arm strong, Speedslde, gave 103.87 lbs . milk, testing 3.1 and scored 110.85 points. Jas. Brown's three-year-old sherthorn cow, Lady McKay 2nd, produced 97.33 lbs ailk, testing 4.2, and scored 181.13 point An unfortunate incident occurred in the competition by which one cow with a creditable record was debarred from the standing to which her performance entitled her. When making his entries, Mr. G. W. Clemons ha better prospect. It turned out that the cow which was not entered
gubstituted when the cows were brought to the show. substituted when the cows were Clemons made a frank explanation, and there was strong inclination to allow the cow's record to be considered in awarding the prizes. It was decided by the management, however, that the rules must be adhered to as a matter of principle, seeing that if any latitude
is allowed in such cases there might be a disposition on is allowed in such cases there might be a dosibly buy up
the part of others to go further, and porstate for their own. cows at the last minute to substitute for their own
cowe loss to Mr. Clemons is, nevertheless, regrettable,
The reme especially in view of his many years service onl tair
superintendence of this department, and it is only fate that the cow's performance should be chroniclect. Her
name is Alice Wayne, and she gave in the two days
nacer name is Ance wayne, esting $3.2 \%$ butter-fat. We under-
118.49 pounds milk, tertas 125.68 points, which would
stand that her score was stand that her score was 125.68 points, which
have made her second in her class. have made her second in her chas. following scale: 25
The awards were made by the
points for each pound of fat, 3 points for each pound points for each pound point for each ten days in milk
of solids not fat, 1 por
after the first thirty days; limit, 10 points. The fol-
 $\begin{array}{lllllllllll}\text { 1.t-Lady Guelph } 76721 \text {; Jas. Brown, Norval........... } & 80.86 & 4.0 & 3.23 & 7.33 & 80.75 & 21.99 & 102.74 \\ \text { 2nd-Gracey } & \text { Gwynne } 80976 ; \text { John Kelly, Shakespeare } & 53.32 & 4.4 & 2.35 & 4.89 & 58.75 & 14.67 & 78.42\end{array}$ St-Jean Armour months and over-
$\begin{array}{lllllllllll}\text { 2n-Sean Armour 15591: Geo. Rice, Tillsonburg. } & 114.26 & 3.8 & 4.34 & 10.40 & 108.5 & 31.20 & 139.70\end{array}$

 1st-White Rose 2 ntd 17841 . H. \& $\begin{array}{lll}95.58 & 4.2 & 4.01\end{array}$ $\begin{array}{llllllllllll}\text { 1st-White Rose } 2 \text { nd } 17841 ; ~ H . ~ \& ~ J . ~ M c K e e, ~ N o r w i c h ~ & 95.58 & 4.2 & 4.01 & 8.79 & 4 & 100.25 & 26.37 & 127.02\end{array}$ $2 n d$ 1st-White Floss of Brookside 20139 holsteins-class

## Cow, 48 months and over-



 Sec. 2-Cow, 36 months and under 48 $\begin{array}{lllllllllll}\text { 1st-Artalissa } 5845 ; \text {, Jas. Rettie, Norwich. } & \text { RI16.75 } & 3.1 & 3.62 & 9.77 & 1.6 & 90.5 & 29.81 & 121.41\end{array}$ Sec. 3-Heifer, under 36 months-
1st-I antha Jewel Mechthilde 3rd $5530:$ M. L. Haley,

 Grades-Class 50.
Sec. 1-Cow, 48 months and over-
st-Holstein Iassie ; Geo. Rice, Tillso Sec. 3-Heifer, under 38 month̄s- $\qquad$
——

THE SEED DEPARTMENT A growing department is the exhibit of seeds the clovers, grasses and cereals. There are two sepa
rate classifications, one for exhibits of selected seed grown by the Canadian Seed-growers' Association, a general or open class. The Canadian Seed-growers' exhibit was particularly good, being larger and more
complete than last year, most of the old members and complete than last year, most of the old members and
some new ones being represented. In point of qualit marked improvement was shown. While owing to it being an off year for corn the entries here were slightly shy, both in the Canadian Seed-growers and in the In-
stitute classes, the exhibit of grains and potatoes was very strong, pronounced by Mr. Raynor almost unparalleled in the Province, both as to extent and quanMr. C. R. Gies, of Heidelburg, Ont., member of the
Seed-growers' Association, who has been working fot Seed-growers Associaglop, wio imptran years improving a strain of Dawson's Golden Chaff wheat, exhibited a very hard and evidently glutinous Sample of his improved strain, winning the first prize in
White winter wheats. In Red winter wheats, David H. Taylor, of Corwhin, exhivited a sample with a very large hard red berry, which resembled Turkey Red, although the name of the variety was not given. In barley it was noticeable that the plumpest berry received no
prize, owing to its being entered as Mardscheuri, where as it looked to the judges like two-rowed barley, and
was therefore, out of its class. Among the many fine was, therefore, out of its class. Among the many fine exhibits of potatoes, attention was drawn to some of
the Hammond variety, conspicuous for thelr smoothness and shallow eyes. This variety, however, while of goo quality, is not considered very productive. A feature worthy of special notice in the seed de-
partment was the educational exhibit, showing, among partment was the educational exhibit, showing, among
other things, boxes of germinated seeds, demonstrating other things, boxes of germinated seeds, demonstrating
the advantage of sowing large plump barley and clover seeds as compared with shrunken ones, and of sound whole peas as compared with split, wormy or weevilly
ones ; also the exhibit of sheaves of selected grain by Ones: also the exhibit or sheaves of selecta Aspociation. Following is the ust of awards in the competition in the Canadian Seed-growers' classification:
Class 262, Sre. 1-Fall wheat. hand-selected seed
-1, Duncan Carmichael, West Lorne, Dawson's Golden
 Davidson, Mount Nemo, Early Red Clawson. . Herbert Class 263, Sec. 1-Spring wheat, hand-selected seed
(from first or second year's breeding plot) -2 , Robert N. Woods, Metcalfe, Red Fife. Class 263, Sec. $2-$ Spring wheat, group exhtbit. -1, Class 264 , Wec 1 Whit (from first or second year's breading pand-st).lected seed
Wobert N. Woods, Metcalfe, Ligowo ; 2, W. M. Smith, Scotland,
Dodds. Class 264, Soc. $2 .-$ White oats, group exhibdt:-1,
David Prouse, David Prouse, Goderich, Newmarket; ; 2, D. Carmichael,
West Lorne, Ligowo; 3, Wm. W. Ramage, Thistle, (seed Class 265, Sec. 1.-Six-rowed barley, hand selected (seed from first or second year's breeding plot).-2, W. Class, Scotiand, Mensury. Class 265, Sec. $2 .-$ Six-rowed barley, group exhfbtt.
-1, D. Carmichael, West Lorne, Mandscheuri, Carmichael, West Lorne, Mensury ; 8, Charles L. MacFlinas 268, Sec. 1.-Corn, best 10 ears, any variety Flint, White,-1, G. W. Ryckman, McNab, Red Glaze.
Class 286, Sec. 2.-Corn, best 10 ears, any variety, Flint, Yellow.-1, Edward Smith, Rtdgetown, Compton's Early : 2, Leonard H. Hankinson, Grovesend, Longelow: 3, H. Smith, Ruthven, Compton's Early ; 4, D.
G. Thomson, Cumming's Bridge, North King. Class 266, Sec. 3-Corn, best 10 ears, any varlety Ient Corn, White (Whitecap Yellow included).-1, H.
Smith, Ruthven; 2, Jos. C. Thomas, Blytheswod, Smith, Ruthven; 2, Jos. C. Thomas, Blytheswood.
Class 266, Sec. 4.-Corn, best 10 ears, any variety Nent Corn, Yellow,-1, G. W. Coatsworth \& Son, Kingo $\begin{array}{llll}\text { Nile: } & 2, & \text { D. Carmichael, West Lorre. Retd's Yellow } \\ \text { Dent: } & 3, & \text { A. H. Woodbridge, Kingsville. Reid's Yellow }\end{array}$ Class 266, Sec. 5 -Corn, best 10 ears, any variety Sweet Corn, late.-1, H. \& W. McKee. Norwich, Stowell's Evergreen; 2, J. O. Duke, Olinda.
Class 268, Sec. 6. Corn, best 10 ears, any varlety, Nwing talle shows
The bonus paid the the packers ior animats of superio
are foeling the pinch of shortage of feed, and, while
herds have been reduced by the old cows and poorrheifers going to the butcher, it is not a serious loss, of shorts and ferds of late too many hogs were matand we will start next spring with a better lot of cows
than ever, to continue in this greatest of agricul-
tural industeCurat industries, "dairy furming." Quebec is pre- for the opten fall and wood pasturage wern favorah), which went into winter quarters in goon
eminently a dairy lirovince, and boasts of many fine forherds of dairy cattle. Our herds require the "weeding- condition, although we anticipate that farmers will no
out ". process carried out very severelv in many casis, as well as usual on grain feeds, and the possitileas has been demonstrated in the ceverely in many casiss.testing associations, for, in the published results, wetions, and. in fact, the returns from the cows in the
same herds. Contrast the returns forsame herds. Contrast the returns for September iromBagotville and st. Armand, where, at the former
place, 152 cows gave 94,160 ths. of milk, and at the
ibs. more milk. We trust this good work by the m,
connection with the dairy cow that we have. provinglast year. The "price has been a shade higher.season the average price will be thout $\$ 9.70$ a box, us
against $\$ 9.40$ last vear. On the whole the senson
was favoratle for the making of a good product, andif there was a fault, it was in snipping the cheese too
green, especially early in the season.
The make of butter is estimated at athout threemore being repuired to meet home demands Butternetted about $\$ 14.10$ a box, as agninst $\$ 13.20$ last year.
Prices of milk will not from $\$ 1$ to $\$ 105$ per cwt.
butte- The high prices for cheese over butter causedmany lactories to make cherse instrad of butter last
spring, and continue to do so all season. Fewer factories than usual will be operated this winter. Owingto the high prices of feed, the milk supply will be
less, and more is required to supply the city ofMontreal, which draws most of its supply from the
milk and cream for city trade is developing with th.
rapid growth of cur cities. The demand for these
increase. In Montreal city alone, it requires from 60
to 75 farmers, with an output of 50 gallons of mill
tion. So far, the regulations governing the citys milk
supply, on the whoic, is of good quality. Last win-
Cer. 18c. per gallon was paid to the producer. Thisrailway rarriage, which anoounts to 2 c . and $22-3 \mathrm{c}$. per
pices, taking cost of fred and latbor into considerationThe labor protilem has not been quittheir farms through sheer inability to procure help, toThe British Istcus to help, us in our work has then fullyTownships. Mr. F. W. Brewster. Secured, during the



the pullic mentine in the (ity Hall. all drew good
crowds. while on fita.
while Mr. King. of Miscouri, demonstrated how to con.
passing the rope ever his barck, and dw mpans of a rop
girth and $a$ w attachument. lifitine lisis thot when ou
mov




## MARKETS。

## TORONTO． <br> live stoce

Receipts of live stock at the City a quality of fat cattle was the best for a special for export；Manitoba patents long time，owing to the Junction Fat－
stock Show，on Dec．9th．Twenty－nine stock Show，on Dec．9th．Twenty－nin
carloads of Christmas cattle，that woul
te hard to equal，were on exhibition for te hard to equal，were on exhibition
the various car－lot prizes．Outside the Christmas cattle，the quality wa
much the same as has been coming for much the same as has been coming for
some time．Trade was firm for anything some time．Trade was frrm for anythin
good or upproaching good quality．Trad
was better gevierally Was better generally，and prices we
firmer at the cl we of the week than Grmer at the
che beginning．
At the Junction market on Monday this week rectipts were light－ 25 car loads；trade fair；prices firm．Exporters
cattle，$\$ 4.25$ to $\$ 4.75$ ；Christmas butchers＇，$\$ 5$ to $\$ 5.25$ ；loads of good
$\$ 4.50$ to $\$ 5$ ；medium，$\$ 4$ to $\$ 4.25$ ；com mon，$\$ 3.50$ to $\$ 3.75$ ；canners，$\$ 1$ to
$\$ 1.50 ;$ calves，$\$ 4$ to $\$ 6$ per cwt．Sheep．
$\$ 4$ per cwt． $\$ 4$ per cwt．；lambs，$\$ 5$ to $\$ 5.25$ per
cwt．Hogs，$\$ 5.50$ for selects，fed and
watered． Exporters．－Prices last week ranged
from $\$ 4.25$ to $\$ 5$ ，the latter price being paid for one load．There was only a
light demand，owing to export space be ing limited．
Butche
Butchers＇．－The bulk of the best
butchers＇for the Christmas trade sold
（rom $\$ 5$ to $\$ 6$ per cwt．．hut nimals were reported，at more money The ordinary butchers cattle sold fro
$\$ 4$ to $\$ 4.50$ for good loads；medium $\$ 3.75$ to $\$ 4$ ；common，$\$ 3.50$ to $\$ 3.75$ cows，$\$ 2.50$ to $\$ 3.50$ ；canners， 75 c ．to
$\$ 1.50$ per cwt．
Feeders and
Stockers．－There was a fair demand for
following prices： $\begin{gathered}\text { good quality feeders a } \\ \text { Beest feeders，} 1,000\end{gathered}$ 1,100 lbs．，$\$ 3.50$ to $\$ 3.90$ ；best feeders，
900 to 1,000 lbs．，$\$ 3$ to $\$ 3.50$ ；best stockers， 800 to 900 lbs．，$\$ 2.85$ to $\$ 3.15$ best
cwt．
Milkers and Spriusers．－Trade was not quite as good，and prices were lower
ranging from $\$ 40$ t，$\$ 55$ for the best Light cows and backward springers wer
slow sale at $\$ 25$ to $\$ 35$ each．One deal ricom Quebec took a carload Veal Calves．－Prices ranged from $\$ 3$ to
$\$ 7$ per cwt．，the latter price being paid or Christmas veal．
Sheep and Lambs．
change in the sheep and lamb market Export ewes sold from $\$ 3.75$ to $\$ 4$ pe
cwt．；culls and rams at $\$ 3$ to $\$ 3.75$ cwt．；culls and rams at $\$ 3$ to $\$ 3.75$
lambs sold all the way from $\$ 4$ to $\$ 5.25$ eer cwt ． Hogs．－Deliveries of hogs were light，
Prices were quoted by the dealers at $\$ 5.25$ for selects，on the fed－and－watered
basis．early in the week，but at the cose，one leading dealer stated that he tad offered $\$ 5.1$ ，cars at coun that price．It looks like higher prices
and we would not be surprised if they ent to $\$ 6$ before Christmas．
Horses． Horsess－Trade in horses on the To
ronto market is practically dead，in com－ There are few horsess of good quality o sale of any class．Farmers are holding o more to winter a good horse than a
oor one．Some of the dealers think hat business will brighten up after the holidays．Prices were unchanged from
our last quotations．Burns \＆Shepard of the Rep
three pair
s
$\qquad$ Wheat．－NO．White witer
mixed． 93 c, all at outside pomints． ed wheat，$\$ 1.04 \frac{1}{3}$ ．feed wheat， 102 C No． 54 c, at lake ports



MONTREAL
Live Stock．－Shipments of cattle from St，
John，N．B．，during week ending Dec． 7 th， were 1,348 ，those from Portland being creased supply in excess of the require ments，local and outside demand being limited．Inferior grades still predomi－
nate，although the proportion of choic nate，although the
cattle is increasing．
proportion of choic
Choice cattele， $4 \xi \mathrm{c}$ ． fine， $4 \nmid \mathrm{c} . ;$ good， $3\{\mathrm{c}$ ．to 4 c ．medium， 3

 $\$ 12$ to $\$ 15$ each for choicest：good \＆ went up．under short supplies，bc．．．an
a fair trade was done at 5 ？ to 6 c for selects，weighed off cars．
Horses．－ 1. itule or no demand．Price
continue steady as follows．Heavy－draf
 1.400 to 1.500 Ibs．，$\$ 225$ to $\$ 275$ each
good hiocks． 1,3001 to 1.400 its．，$\$ 20$ $\$ 225$ ：common plugs．$\$ 50$ to $\$ 75$ each
and choice carriage or saddle animal
$\$ 300$ to $\$ 500$ cach． 1 1）essed highers and Provisuons．－T ressed
hogs higher．Fresh－killed，abat oir－ dressed， $8+c$ to $8_{1}$ and country－dresse $\left.\right|_{\text {visions }} ^{\text {athen }}$ dide not vary fine cireen Wountain モロッ゙ロ


BRITISH CATTLE MARKET
12．per analian coutule dull at 10 tot

GOSSIP
Mr．Alex．Gifien，Snelgrove，Ont． C．P．R．），advertises for sale a a good
eed three year－old Shorthorn bull，bred rom imported sire and dam of the Marr
Missie and Princess Royal tribes， pectively．
$\underset{\text { H．}}{\text { H．}}$ Kairbairn，Thelford，Ont ioned in my advertisement are in grand
shape．The red bull＇s dam，Matchles： 6th，is a fine milker．and has beatest at breeding cow．The roan bull will at once by some should be live man．Qued
and Fair（Queen are full
sisters

## QUESTIONS AND ANSWERS

 answered in this department free．
2nd．Questions should be cearly stated
and painly written，on one stio of the
paper only，and muat be eccompenile the paper only，and must be accompanied by
the full name and address of the writer
3rd．In veterinary questions，the symp
toms especially must be fill， 3rd．－In veterinary questions，the symp．
toms especially must be fully and clearly
stated ocherwise satisfactory replies can－
not be oiven． 4th．－When．a reply by mall is reauired
to urgent veterinary or legal enquiries

Veterinary
WARTS
Two years ago I sold a grade Guernsey all right．When he brought it in from pasture this fall it was covered with iarge warts，some of them as large as a man＇s fist．Is the contagious？Is it
a common trouble？Neither sire nor Ans．－Th somewhat common．Any animal is liable oo warts，and the cause is not well un ly，and，when not large．frequently dis． appenr spontaneously．Those with con－ stricted necks should be cut off．Large，
flat ones should be dissected off． aw surfaces should be dressed once daily for three or four days with butte of antimony，applied with a feather，and，
after that，three times daily with one part carbolic acid to thirty parts sweet oil until healed．Small，flat ones should aily until whey disater of antimony

## umbilical hernia．

Two－year－old blood filly has a navel
upture the size of a hen＇s egg．Will it come all right of itself？Would it be
sate to break her safe to break her，and do a little light
work？ Ans．－It is not probable a spontaneous quite probable it will never interfere with dor usefulness under ordinary conditions， doing ordinary work；but its presence
reduces her value，and there is a danger that if at any time she should get hal－ extreme muscula way be subjected heavy drawing，jumping，etc．the as very will entarge，and result in a very serious have probably fatal case．You will eithen arian to operate．In foals，a truse will usually effect a cure，but in a two－ ear－old it does not．No person but
eterinarian can operate successfully．

LUMP JAW．
Thinking it was lump jaw．I am treat g with Fleming＇s lump－jaw cure，which 2．Is lump jaw contagious
3．What is the law concerning lump nis．-1 ．I have had no personal ex－ The most successful treatment for lump consists lodde－of－potassium treatment． times daily，commencing with one－dram dram daily until tha appetite and thirst fail．tears run from eyes and saliva from
mouth，and the skin hecomes scruffy When any oif these symptoms appear．
$\qquad$ ump gains the circulation of a healthy is not it might cause the disease，but It is an indictable offence to offer an affected animal：but you cannot be MTMハAI，SAIF DATES CLAIMED． an the list of sale dates

## －

THE FARMER'S ADVOCATE.

 atur funtationt


Mr. G. A. Moore, Teacher, Carp, selections from the poets Flower in the craanied wall,
pluck you out of the crannies.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ To see the world in a grain of sand,
And a heaven in a wild flower; Hold infinity in the palm of your hand.
Aud eternity in an hour.
the new education for rural SCHOOLS
It is now some time since the agiLation for a more definite teaching of tistricts was first mooted. It was lelt that the life-work which must
fall to so great a mass of the people iall to so great a mass of the people
should not, especially in the impresshould not, especially in the impres sionable years of childnod and
youth-he best time for that training in sentiment which must under-
iic all successful and happy work in lice all successful and happy work in
any calling-1e entirely ignored; yet any calling-be entirely ignored, yet
ite way to a new system seemed, at
first, difficult, most of all perhaps, litce ease of the indifierence with which
all things agricultural, except from a all things agricultural, except from a
inerely commercial point of hiew,
Int were regardect is all innovations which

continent was founded at Wausa
Marathon Co. Wisconsin. in since then the idea has gained in mo mentum, the importance of agricul-
ture and the neerls of the agricultur-
al al population have become more
widely recognized, and, as a conse-
quence, many agricultural schools quence, many agricultural sconse-
have sprung up throughout the Our readers are familiar with the -it is, in fact, scarcely yet past the
nucleus-and need not nucleus-and need not be told espe-
cially of the agricultural classes cially of the agricultural classes
which have been introduced by way of experiment into six of the High Schools of Ontario. This is surely a
step in the right direction step in the right direction. There
seems no reason that these classes should not be finally introduced into
every High-school town, nor that every High-school town, nor that
they should not prove a tremendous they should not prove a tremendous
uplift to the agricultural interests of
this country. The great condition is this country. The great condition is
that the men in charge be eminently fitted, both by training and tempera
ment, for the work ment, for the work. A lukewarm,
characterless teacher, equipped with characterless teacher, equipped with
but a smattering of book-knowledge, unfixed by actual, practical work on
a farm, must only be a millstone to the movement, instead of an uplift. But the promoters of the new rural-
school education are not satisfied with the prospect even of widespread agricultural acadlemic classes. They
realize that the movenent. realize that the movement must
strike more closely than this; that a strike more closely than this; that a
considerable percentage of the rural population can never attend High
School, and that, consequently, this scientific training, this knowledge of
nature-study much towards stirring up a more noble enthusiasm for their calling among the people of the rural dis-
tricts, should be brought to the very tricts, should be brought to the very
homes themselves. And how can this be done better than through the
rural schools? rural schools?
That this last suggestion has recommended itself strongly to the
most prominent public men and most prominent educators at all interested in the welfare of the country as a
whole, is abundantly evident from Whole, is abundantly evident from
the active interest in the subject me actuve interest in the subject lic meetings and elsewhere, as, for
instance, at the recent convention of instance, at the recent convention of
the Horticultural Society in Toronto, at which the sentiment was strong, and steps were actually tak-
en toward the embodiment of agricultural and horticultural " lessons", In the new text-books, and at which
the advisability of adding a schoolthe advisability of adang a schoolupon by almost every speaker. Such
enthusiasm, such conviction, must enthusiasm, such conviction, must
find issue in action. (Since the lind issue in action. . Since the
above was written, we learn that the Hon. Minister of Agriculture has ac-
tually taken in hand the matter of tually taken in hand the matter of
having this class of literature introduced into the text-books.] A drastic change cannot, however, be immediately expected, nor even a
very rich immediate harvest of results in every place which has taken a
the new education. The problem is
much too deep for that. much too deep for that. It will be agricultural literature in the school-
books, to procure school-gardens,
ing the physics and chemistry of
everyday things; and in so far a
everyday things; and in so far a
vast improvement will effected. But it will have been casy to provide the right kind of
teachers to use these facilities. It seems obvious that teachers cannot The too well trained for this work.
Thould be the necessary scien tific training, plus the practical little real understanding there can be ject, or, rather, of the many subjects, involved. There must be, too; that love for nature and the and life so necessary lest the whole spirit of the work be lost. What, for instance, can a city girl of eighteen or
twenty, who knows nothing simplest fundamentals of agriculture -who has never been in touch with sympathy with it is naturally out of against it by reason of homesicknesd -do with a school-garden and textbooks on agriculture and horticulthe gardening part of it, and moster scientiously on with her pupils, but, unless she be a very exceptional city girl, can she go further than that sort of rural atmosphere? Can she fill her pupils with pride in the callCan she impress them with forward? essity of scientific thinking in ned nection with all the branches of agriculture? Can she teach them to see that the quict rural life may be
good for both body and soul? she teach them to see beauty in clouds and hills and woodlands, and interest in the very weeds growing by
the wayside? Can she instil poetic spirit which can find its truest development where nature reigns and may be worth more to its possessors than much gold? All thes things should not be beyond the
power of the ideal rural teacher-but perhaps we would lay hold on the millennium.
At all events, it is our firm con-
viction that, unless in exceptional cases, only teachers from the farms,
and in full sympathy with the rural life, should ever take charge of our rural schools. May we repeat that phrase, "in iull sympathy with the
rural life "? For surely there should be no place in the rural school for the young man or woman who,
though brought up on the farm, hap though brought up on the farm, hap-
pens, by some idiosyncrasy or some pens, by some idiosyncrasy, or some
misfortune of training or home environment, to "hate farming," and only as a stepping-stone school occupation in the town, and that as speedily as possible. Every teacher
teaches incidentally, perhaps unconsciously, to a greater degree, per-
haps, than may be imagined. If he hates the country, he can scarcely help showing his prejudice, and may, possibly, radiate into the minds of the children much of the spirit which
fills himself. If, on the contrary he loves it, he must, of necessity, impart something of that love; his
teaching will be by no means con leaching will be by no means con-
fined to school hours, but will be continued at recesses, on the way to and from school, and in his visits to
the homes of the section. There are the homes of the section. There are
linds and flowers, and trees, and
crops, and animals on every hand,
and each must needs be the subject for an object lesson.
This question of the temperament of the rural-school teecher seams to
strike at the root of the whole ter. Still, very much depends upon training. The teachers must, to a certain extent, be agriculturists; but not only agriculturists: they must men. A farm training, then a collegiate education, finished by mn united to a natural enthusiasm for the rural life, seem to meet all requirements; but then there comes up the question of salary. Such men
and women should be worth meney to any section
In the meantime, however-and while we are working up to the point of not grudging money for the de-
velopment of our children-surely something can be done. Take a teacher of the right temperament and enthusiasm, supply him with every for study, apparatus, school-garden, etc.; take him out with you on your farms at overy opportunity, and you he may not be a brilliant success, he will be no failure. Surely these con ditions are possible to every rural Just here, perhaps, it may be ne essary to call attention to a possible danger, viz., the possibility of run ning to an opposite extreme, and
spending too much time on the new spending too much time on the new
subjects. It must never be forgotten that the lion's share of the public chool to-day must still be devoted oundation upon which all true education must rest; that attention nust still be paid to the speaking of good Panglish; to the outlines of his to geography ; to the study of good literature. All these things are necessary the rounding out of It is held by the most prominent educationists, and rightly, that since the development of the thinking powers is the main object in educa-
tion, the subjects studied do not much matter. That training of the mind in observation, comparison and inference, no matter how accom
plished, is bound to give the capabil ity which can grasp any situation and lend itself to the accomplishment of any work. While this is true must be considered in regard to the work of the rural school. A grea number of children attending these schools will never have the oppor-
tunity of attending High School, and so must miss the more advanced work in Algebra, Qeometry, Physic and Chemistry, which mean so much moreover, to the child, Algebra and Geometry are usually" "dry " and uninteresting. Why not, then, give im as much of this training as he nection with the school-garden, which is bound to hold his interest, and may be made as truly educative as
an elementary course in Algebra or Geometry? Apparatus for simple work in Chemistry and Physic should, of course, be in every rura school. Then, the developrnent of



 difference which may never be over come. Enthusiasm is the price of happiness, as well as oi " success." It may, too, be objected that such when he comes to man's estate, he not expert an hoy to praduate at a course may tend to make all rural shall hold his possessions of para- fourteen with as much knowhenge of occupations elsewhere for which they and hand. to high purpose-all those or forty sears. anpmorivence. Be sat is might have more talent. But of mang. Money mast make a man a fied if he commes iurth true, become old oi life with al turesh


The youth who has really a strong bent for the ministry, or law, or medicine, or the mechanics, will be niche, in which it will harm him not at all to have pleasant memories of the farm and an appreciation of rural privileges. It is ours to see to the greatest good of the greatest numof themselves. Again, it may be said that this ractical trend of teaching may be

mood, and this a mighty power ior boy who grows to be righty-trained man, will invariably recognize. Let the child, in short, be taught practical things, as a matter of course; Tet him be led to make his schoolplot produce to an hundredfold merely as an interesting development


## de- dap

 manure spreatlon that a man Ilrivin dactong conton onem whe measure untwe that. in short high gooddistricts happy in their work, intw ested in it, proud of their proficiem at sea for wave of practical trane ne sideath of the sholbish. with a try to distinguish those things whicl really "colunt" from those whic
are merely superticial; thoughtful
homet homest, useful, contented, intellec.
twal, high-minded, worthy compeo ents of the great Dominion-these arow
the ideal of the new rural education The ideal of the new rural education

RURAL-SCHOOL GARDENING
fenchers of several schools in which school-gardening had been carried oll ing the success of the work. In ply came the following letters, which mending to the perusal of all wha are in any way interested in the decopment of the rural districts, ec ents and teachers
A SUCCESSFUL EXPERIMENT

$$
\begin{aligned}
& \text { SSFUL EX } \\
& \text { AT CARP. }
\end{aligned}
$$

Gardening in our public schools, a subiect of study is being widely commented upon throughout widel country, and is being sanctioned by those who are in a position theak fudging from practical results. An man who has at heart the interest of the young Canadian should give this sumpect his serious consideration. history proves to us that nations sreat reforms, and any proposition of a change in our system invariably
meet. with opposition.
Previous to my direct connection with practical gardening in schools. I was opposed to the idea of placing hild, and rather favored decreasing prescribed worh. But, after an ex wriwne of three years as principal
of the school at (arp, my ideas have been radically changed
In the enterprising town of Cail there stands a tine school homithing. half acre of which is under cultiva-
tion liy the 150 boys and girls who atonis the school. The garden sec-
tion is divided into two parts, one in krains, fruit and experimental plot lowers, and the child has its bed of fruit plots are conducted on tha Merative principle cond custom, om 10 shoul. school-life to the boy llt ahout thom thay see ewidencess of hoir games on prounds seeded and
$\qquad$
$\qquad$
$\qquad$

HECRMBIER 19, 1907
THE FARMER'S ADVOCATE.


atter school is hismissoild ind he and

 the chiltren mmeh information

 and tran
int in effic
of indep



 hamts of industry, respect for labor qualities that make for good citizen
ship, such as the rocer ownership respect responsitility
orty
rrty, consideration others, nd the principle of co-opera 1 would as soon think of teaching jects or the number b. without ob y.n without a schooll garden. The
can be no possible objection sim tained as to school gardens, excep
as to their scarcity in our countr No child has faited an examination ration of gardlen work
The care of the garden during the the proper care has then taken querce and the plants well ad in visiting the gurden fruk atuontly dur me the holidays. Their interest is
keen. and, where a child is inter ested, no urging is necressary. seeding. werding. pruning . studying plants and weeds.
colluecting sereds. cte In the early spring we requine a manting and planting hotbeds, old-frames and "indow-toxes.
aking it the sut, Werage one hour her week
$A$ school garden is not an expenA. school garden is. not an expen-
sive luxury even whine conducted on
a large scale. (une prizes at the airs. in scapen comper tition with the the
armers, more than tiay any pexpences larmers, more than pay any expenses
"hich ocurr
it is truly surrusing to what wex (wnt garden work may be co-related 1.Nantage may he taken of the garrushness and in fiving practical , maning to
farden work and carden children. Nons alford interesting subject-matwosition incerses in drawing and comy associated with the pupils' own anpriences and life interests. Many
practical problems in arithmut ic are sugrested, and even demanded
connection with the work. The kee ing of garden ace emps. commercial arithnet ic Weights.
measures, varues and mensuration


School Garden, Rittenhouse School
 To me it was an inspiration to see $\begin{gathered}\text { programine. } \\ \text { Gardening }\end{gathered}$ most assuredly makes fastically conducted and managed by $\begin{aligned} & \text { children more refined and careful } \\ & \text { They acquire greater love for plant }\end{aligned}$ city lads. lads can derive pleasure $\begin{aligned} & \text { life, and are interested in plant } \\ & \text { growth. }\end{aligned}$ plants to them are almost and gain knowledge by growing humanized. The dullest boy seey onions, beets, calbages, etc., how more, and acquires a taste for the
much more should a country boy, beautiful. It gives the slower pupils hiose very life is dependent upon the ideas which could be scarcely school-gardening? "and profted hy gained in any other way, It brings answering "our questions, I the parents in closer sympathy with


The Result of a Summer's Work, Rittenhouse, School.
school. We have a friend in Mr. M. grow such things as we expect will land and has helped us in many also bencficial to the farmurs and and wass. The (iovernment also as- year we grew thirteen varieties of
 fited by them. Mr., M. F. Ritten- with-dates of picking, quantities homse furnishes a gardener and jani- picked, total yield of each. Each Dictoria Hall groonds, so these men tory. The larger boys learned the

for cultivating and teaming, and cents lor picking, we still had a proi
it oi $\$ 10$. This, of course, was no it of $\$ 10$. This, of course, was no
the object. We do not grow vege our produce away In several cases fathers were great they grow tomatoes quite extensively in our locality. At the rear of our garden we hav an experiment in many different varieties of the smaller fruits. The boys
grow peach trees from then, in the fall, they bud them This autumn, all the girls and boys are learning to propagate. We have geranium cuttings in the whindow
boxes. The fiith class each have space in the plant conservatory, where they are trying leaf cuttings (triangular) or rex begonia and other
plant cuttings. We always plan to have as much
of our garden as of our garden as possible done by
cultivation.
The berries, larger vegetables, potatoes, merries, larger During vacation by horse. individual plots were cared for by the pupils done by cultivation, our janitor was secretary-treasurer of school board doing this. Our garden was a credit to any community, any time during neglect or excess of weeds. 1 am most decidedly in keeping on with school gardens, and
hope to have one as main in the teaching profession I may say I object to the clause which heretofore required one acre of soil in order to get the grant.
believe this is now remedied will be advantageous to many
we the schools. It is not practicable for every school to have an acre. Probably much better results might be
obtained with one-tenth of that area properly tilled. We expect to devote two half hours
per week to gardening per week to gardening. If we wish, for exhibit, we spend a day, believ ing the time well spent Now that we have two teachers in Class, we expect to do much better work, and give our gardening an edu cationā bend, which lack of time cretofore so greatly hampered. Our manual iraining is carried on
during the winter months. Then w get our propagating, germinating boxes, weather vane, sun dial, etc.
ready for our summer garden. W
built, built, this year, a little wigwam
which was greatly appreciated by the In our gardening, we aim at showge the sirls and show ing the girls and boys that farming try to encourage many to remain o HARVEY M. GAYMAN Teacher, Rittenhouse School, Jor

N ENTHUSIASTIC BEGINNING at Jockvale
I am in receipt of yours of the 4 t
inst., with list of six questions school garden. I am going to an swer question No. 1 by a short ac-
count of our experience with school count of our experience with schoo
gardens, and by this time next year we hope to be able to answer the
As a matter of fact, we are prepar ing to start, on a small scale, nex $\underset{\text { spring. As a }}{\text { a }}$ ark at in practica
woresent, we have requested each pupil to prepare a plan of the new school-grounds, showing lawns
flower-breds, borders, walks, hedges experimental plots, etc., with the re sult we have a lot of work showing more or tess taste and aptitude, and
showing how readily the pupils can be interested in such work. Our school is a rural school, pure and simple being situated in one of
the best farming districts in the County of Carleton. We have a new school (built in 1906 ), which accom-
modlates the public-school classes with about fifty-five pupils under one teacher, and a continuation clas

Xow. under the circumstances, it ing to add more work in a system already overcrowded with subject.
but surely we should try to intro duce this one subject (even if w had to sacrifice some of those no life-work of perhaps nine-tenths the pupils. We seldom hear a wor about farming as an occupatio
where a good education would be a advantage. Since we have had this continuation class established, we hear the pupils lectured on the ad brought to their doors, and the po sibilities it opens up for them to pr pare themselves for the learned pro fessions, pointing out to them the
chances for brilliant careers clergymen, doctors, lawyers, engineers, politicians, etc. This is al very good and true, but, at the same thing-a school garden, for instanc that will cause the pupils to tak even a side glance at this mighties and noblest of callings
" The Farm rural education, because a journal o such high standing certainly must I am sorry we have not a better simply trying to introduce the thin dge of the wedge, so that we will
be already in line in the near future be already in line in the near future,
when it is to be hoped that agriculture will occupy a more prominent place in the education of boys and irls in rural schools
Jockvale, Carleton Co. MADDEN.
EETTERS HELD OVER.
Some interesting letters in regard or school-gardening arrived too late be published at a later dat

## A TRIBUTE.

A short time ago there appeared in the daily papers an obituary notice, whose of occasional bassing away of one articles, published over the signa-
ture, "One of the Girls," were always most welcome to the readers of the Home Magazine of "، The Farmer's Advocate." There are many who may remember these, and
we feel sure that their sympathy will go out to her stricken relatives in Canada. as well as to the young husband in far-away South Africa, to whom the sad tidings, instead of
the glad news he was eagerly awaiting, must come as a terrible blow. We allude to the late Mrs. Frank
Buckland Hardy formerly Miss Ethel Buckland Hardy, formerly Miss Ethel Gibson, daughter of Mr. Richard
Gibson, of Belvoir Farm, Delaware, Ontario.
Miss Gibson was a girl of excep
tional qualities, ne who tional qualities, one who excelled in
everything she undertook, whether in housekeeping, cookery, needlework (plain or artistic), as well as being a writer of no mean ability, and with her it was said that "she was the brightest type of a Canadian girl, always unconsciously and without ef-
fort winning the affection and admiration contact ", Just two and a half years ago our
bright Canadian girl began her short bright Canadian girl began her short
but very happy married life in South had been for sume time engaged, be ing a lieutenant in the South African military service. When a little son
was born to them, their cup of joy was full. The young wife's letters, Transvaal, have been always full of
interest, and it was with the very interest, and it was with the very
happiest anticipation of a return there when the season of unrest had a month ago. to Canada for a visit
to ber parents in the old home she

 higher.

We cannot see them face to face,
But love is neraness. And they love Us yet, nor change with change of
place, In their more steadfast world above,
Where love, once leal, hath never ceased, And dear eyes never lose their shine And there shall be a Marriage Feast,
Where Christ shall once Where Christ

## Current Events.

President Roosevelt has announced that he w
Presidency

The report of the survey for the proposed Georgian Bay ship canal is
nearly completed.

Four hundred men lost their live by a mine explosion at Monongahela

The Grand Trunk Railway has giv in orders for the construction of one The famous Bulgarian revolutiona eader, Boris Sarafoff, was killed
Sofia by a Macedonian recently.

The first train to be taken through The tunnel by electricity, from Port
Huron to Sarnia, will go through on Christmas night.

The airship Cygnet, invented by Dr. Alexander Graham Bell, has been successfully tested above the Bras In a statement submitted to the the net loss of the institurio Bank, shown to be $\$ 2,157,546$, and the pay from 30 to 50 per cent. of their double liability
An encouraging sign of the times lies in the fact that, at a recen
meeting of the Ontario Bar Associa tion, such topics as simpler law speedier justice, cheaper procedure
and the right of client and and the right of client and lawye
to make a afree contract , to make a " free contract" as t
the cost of a case, were discussed.

## The estimates for the next fisca

 year, ending March 31st, 1909 , laidon the table of the House of Con mons by Hon. Mr. Fielding, provid for a total expenditure of $\$ 119,237$,
091. Of this, $\$ 30,000,000$ are asked for the construction of the National Transcontinental Railway, and \$4. way. $\quad{ }^{*}$ * King Oscar of Sweten died at
Stockholm on December 8 th, aged 7 ,
years. He was a grandson of Mar shal Bernadotte, who won renown i he French army during the Napd Sweden in 1.818 . The late king succeeded hy his eldest son, Oscal Baron Ishu, Chief of the Bureau " and Canada to investigate the chich tion of Jopanese memigration
states, on has return to Toblion than


The Quiet Hour.



day enough to know that one sweet
loving Lord washed all my sins
$\qquad$ is not enough that once-a while agoflow. know as at His throno
$\qquad$
$\qquad$
It does not satisfy to know that He ,
Along my way, once walked and talked with me;
That once my yearning spirit did rejoice That once my yearning spirit did rejoice,
And burn within, while listening to His
$\qquad$
'Tis not enough that once, was setapart enough that once, was se
For Him, the first place in my happ
$\qquad$ me
Than any Than any earthly love could ever be
But now, just now, I'd yield to Him the best
And purest love that glows within my
And purest love that glows within my
breast.
Oh loving Lord! past blessings have been
sweet:feet.
daylife, in death, and through eternityChrist, my King, to closely walk
with Thee.M. CARRIE hayward.

CONSIDER THE LILIES HOW THEY GROW.THEY GROW.'HOW
grow." consider the lilites how they
it is beautiful; so it is with the people
of pure hearts, they are beautiful char-is handsome," but look at that face for
emptiness behind it. Here comes another
person, at first glance we say that thatbut, brother, look at that one a few'The hidden man of this person's heart
the lilies-is your religion nothing but a
dead shrub stuck in the ground with
paper lilies upon it? Do your actions
come up to
in class meeting or elsewhere about yourunilppy or so sober that you cannot
smile atody or anything; or are
you nothing butyou nothing but a hy anything; or are
appear righteous, but havite, trying toappear righteous, but having a hypo-
critical heart? Here comes another per-
your religion like the true, pure, honesta lily)? Oh, is your life one happy
song, with a faith and courame tronct
Are you living in the sunshine to-day?
Do you realize that Christ's words are
walking along hand in hand with God."Leaning, leaning safe and secure from
all alarms, Leaninge. leaning, leaning on
the Everlasting Arms,.
kind of lily and not a paper lily, surely
you can say of a truth. . The Lord is
iny Shepherd. I shall not want.. If
You shall not want, do not to atome
I like the kind of people that whemspeak or shake hands with them yohind it all. A light that is set onhill (yes, on the Rock of Agees) can
be hid. Good cannot be hid.be hid. Good cannot be hid, nor yet
evil, very long, but it will show same (6)Where, or somehow. "Let it be the
inner man of the heart in that which isnner man of the heart in that which ismeek and quiet spirit." We are allpreachors,
the pulpit
onscer the lilies HOW THEY GROpowers hidden; that is, the roots. Takold Sambo, for instance, the outer manof man, but don't forget his soul shashine as a lily in heaven. People malook down upon a person, because heoor trade." They werbut notice the lives and characters ofsome of these, and you will find some oHere is a Babe born in Bethlehem.wise men and shepherds know somewhatof His value. Time passes by, and Heorks as a carpenter. He learns thewhen about the wage forthrully, andwhen about the age of thirty, He is
baptised with the Holy Ghost, and thentempted of the devil, preaches theospel, heals the sick, He is despised andworld, dies a most horrible deathredeem you and me. Brother, if we onlyTRUST IN HIM! The roots were inarth, but the rily shines in heaven now.they are talked about and persecuted inMany ways by mankind; sometimes al-
nost swallowed by a whale, or nearly
innows. "Be strong a thousand
ourage; be not afraid, neither be thou
dismayed: for the Lord thy God is with
whithersoever
thou
thee whithersoever thou goest."
Joshun 1:
Here is another man who sits noar a
man's house: he has sores upon his
body, and is very poor, he is glad to
get the crumbs which fils
get the crumbs which fall from the rivh
man's table; his hope is founded upon
man's table; his hope is founded upon
the Rock of Ages, but the rich man has
a vain hope
a vain hope. Men saw the paper has
liny
Man and also the true
roots of the man, and, also, the true
roots of the poor man; but both men
die, and things are changed. The poon
man is carried by the angels to Abra
ham's bosom, but the rich man's soul is
cast into hell. Lazarus might have said:
". What good am I doing hare day ander
What good am I doing here day after
at times, but be of good cheer, thy God
Consider the lilies how they grow.
They take sunlight into their lives
through their leaves, which help to
through their leaves, which help to
show to the world a beautiful flower. So
may we. if we
may we, if we take the Sun of
Righteousness into our lives, we will
make the work brighter with a smile
Consider the illies how they grow. They
grow with their roots in the mud, and
so are we sometimes in the
so are we sometimes in the mud of
difficulty. or sorrow, or distress, or
difficulty, or sorrow, or distress, or
affliction, but . let them which suffer ac-
cording to the will of God, commit the
keeping of their souls to him in well do
ing as unto a faithful Creator." "Let us,
therefore, humble ourselves under the
therefore, humble ourselves under the
mighty hand of God. How? by casting
all our care upon Him, by trusting and
believing in Him, by having childlike
confidence and faith. Then we will re-
joice with joy unspeakable. How often
Christ said, " Be of good cheer,", and
even sometimes when we are in trouble
or danter, or think we are as when He
told the discintos
stormy sea. But when they were on the
thair trust in those that put

$\qquad$


Ind OCCUPY TILL I COME A sacred trust my Lord to me has
given：
The pounds are His，to use them is my
task． task．
Whether His service leads，it is not mine ask；
He tellis me not how long the time shall Till He shall deem it best to call me home；
only h
I only hear Him saying unto
Occupy thou until I come．
$\qquad$ And only do the things that please m
best：

awhile， But He asks for calm endurance to the end
Alike through ioy Alike through joy and pain，through
light or gloom， light or gloom，
And promises to be my Guide and How dhate t oemeny will he come

 gloritiod． mav not understand why Ho to me
Gives but porne perhanco one talent，while
ito some
 Why should it matter wheterer one Since all are His．and but a trust re
tainad

 Or hear Him say to me，＂Well done nen not the little feller＇s stockin＇．
 And the trosty Christmas holly＇shineos
 As the Christmas laughtor rings， As the east stray shoppers．hurry，taking


 TTin＇t silk，thet nut nitue stockin＇，and＇t And tho darns ins aro show，prety plenty round
 But it really is surprisin＇what a lot of And the little hand that hung it by the
chimbly there along Has a grip upon our heartstrings that
is mighty firm and strong ： So old Santy don＇t forget it，though it
isn＇t fine and new， That plain little worsted stockin＇hangin And the orop may fril）and leavo us with our plang all gone tor smash，
And the mortgago may hang h nevy，and And tho mortgago may hang hary，and

The Ingle Nook．

the farmer＇s advocate FASHIONS



250．－Child＇s Creeping Apron， 3 sizes，
six months to two years．
The above patterns will be sent to any
subscriber at the very low price of ten
cents per pattern ents per pattern．Order by number，and ment．Allow from one to two weeks Address：＂Fashion Department，＂ Farmer＇s Advocate，＂London，Ont．
iNote．－Where two numbers appear，ten ［Note－－Where two numbers appear，te
cents must be sent for each number．］
Hot-supper Dishes.

$$
\begin{aligned}
& \text { Hot-supper Dishes. } \\
& \text { Dear Dame Durden,-A short time ago } \\
& \text { some of the Chatterers wrote asking for }
\end{aligned}
$$

$$
\begin{aligned}
& \text { hot dishes for supper, so i am sending a } \\
& \text { few from my handy tablet," hoping han han } \\
& \text { they may be of use. I enjoy the Ingle }
\end{aligned}
$$

$$
\begin{aligned}
& \text { few from my "handy tablet," hoping } \\
& \text { they may be of use. I enoy the Ingle } \\
& \text { Nook, and turn to that as soon as the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Nook, and turn to that as soon as the } \\
& \text { paper comes. May I call again some } \\
& \text { day? }
\end{aligned}
$$

$$
\begin{aligned}
& \text { paper comes. May I call again some } \\
& \text { day? } \\
& \text { Brant Co., Ont. SCOTCH THISTLE. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Possibilities of a Shank.-Shank, } 40 \text { c. } \\
& \text { Cut about three lbs. off, put through a }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Possibilities of a anank. - Shank, } 4 \mathrm{c} \text {. } \\
& \text { Cut about three Ibs. of, put through a } \\
& \text { Gem chopper, to make one and one-half }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Cem chopper, to make one and one half } \\
& \text { Cozen cakes. Sason with salt and } \\
& \text { dozpeor (also onion, if liked), and fry in }
\end{aligned}
$$

$$
\begin{aligned}
& \text { dozen cakes. } \\
& \text { pepper (also onion, if liked), and fry in } \\
& \text { beef dripping. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Put the remainder on in a large pot, } \\
& \text { with cold water to cover, let come to a } \\
& \text { boil, skim, and let simmer till meat }
\end{aligned}
$$

$$
\begin{aligned}
& \text { boil, skim, and let simmer till meat } \\
& \text { drops from bones. Take from the broth, } \\
& \text { dra } \text { and put through the chopper, adding }
\end{aligned}
$$

$$
\begin{aligned}
& \text { and pput through the chopper, adding } \\
& \text { salt and pepper, and any other season }
\end{aligned}
$$

$$
\begin{aligned}
& \text { salt and pepper, and any other season- } \\
& \text { sal } \\
& \text { ing desired. } \\
& \text { Had enough for small bowl- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ing desired. Had enough for small bowl } \\
& \text { ful and a two-quart basin, to be sliced } \\
& \text { cold. }
\end{aligned}
$$

$\qquad$ the fat，put half the jelly into a granite saucepan，and one－half cup each minced
turnips，carrots，and cabhage；three
small small onions．Let boil for one hour．
Add two tablespoons rice．When tender．
and in amongst our sunshine，there
$n$ shower er two or rain，
$\qquad$
Conge as Christunas comes and finds

[^1] Salmon and Potatoes．－Fill a two－
luart pudding basin with anternate
hayers of sliced cold potatoes and canned
allmon，seasoning each layer with salt
salt salmon，seasoning each layer with salt and pepper，and having the last layer of
potatoes．Beat two eggs well．Add ong
pint milk（or more，if needed to cover）， potatoes．Beat two eggs well．Add on
pint milk（or more，if needed on cover），
and pour into the basin．Roll two crackers fine，and sprinkle over top．
Cover，and bake threequarters of an In making tomato soup，if an onion be
minced and fried a delicate brown in but－ minced and fried a delicate brown in but－
ter，then add to the soup，it will be found delicious，as the onion imparts a
flavor of its own，which is not to be
despised，even by those who do not eat despised，even by those who do not eat
onions served as a dish by themselves． one teaspoon soda two of cream tartar one and a half cups yellow sugar，one
cup shortening．Mix to a soft dough cup shortening．Mix to a soft dough
with sweet milk，flavored with vanilla． Roll out with as little handling as pos－
sible：sprinkle with granulated sugar， and bake in a quick oven．As a varia－
tion，one may be spread with raspberry
am of any sort，and another placed any sort，and another placed
making a jam－jam．The jam
spread while they are still hot． it they will not hold．Fresh dripping，
or or butter and lard（half of each），does
for the shortening．Another，plainer，is
one cup sour cream，one egg beaten with one cup sugar，one－half teaspoon soda，
one toaspoon cream tartar．Flavor with nutmeg．Flour to make a soft dough．
These will brown quickly． These will brown quickly．
Many thanks tor the recipes．Certainly
you may come again，Scotch Thistle． Chocolate Icing Chocolate Icing．
Will some kind reader give me a good
reliable receipe for chocolate－cake filling reliable receipe for chocolate－oake filling
and irosting ？I have a recipe for boiled frosting，but do not know just
how much water to add to sugar，or how much water Would like a recipe for frosting that did not require boiling． Prefer a boiled filling． You can get almost any kind of frost－ ing in packages now，all ready to be
mixed with a little milk，and put on the cake．If you choose to make your own，
you might try the following：Use one ounco chocolate（one square），three tablespoons sugar，one tablespoon water．
Place in a pan，and stir over a fire until of an egg just enough to thin it．Add eight even tallespoons powdered sugar；
stir until smooth，and add to the chocolate．Flavor with half teaspoon Recitation Books Books for Chil－ Several correspondents have asked
where they can procure children＇s recita－ Where they can procure children＇s recita－
tion books．These might try：©Tiny Tots speaker＂（for the babies）；＂Littie
Teople＇s Speaker＂．（for children of eight or nine years）：＂Young Folks＇Recita－
tions＇＂（or the older children）． are all published by the Penn Publishing
Co．． 923 Arch St．．Philadelphia． From a Pioneer Chatterer． Dear Dame Durden，－Can you make just
a little room in a corner for an old－ time guest？It is so long since I have been listening－and－thinking．but have



 ane tie tustroying of beautiful and Where is Margaret？Is it not a long
while since we have heard from her ？ To save my life，Katharine，I couldn＇t
think of the precise remedy I gave you dipped in kerosene would help．My
recipes on this subject seem to have dis． to the rescue．Ah，you were very
naughty to stav away so

From Lankshire Lass． Dear Dame Durden and Chatterers all，－
I believe I had better come again to the cosy corner and chat withe you before the
severe weather comes，when perhas severe weather comes，when perraps
cannot．I have been reading Ingle Nook and some ask us to reading Ingle Nook，
how we spent the summer．Well，with me，there is
nothing new to tell． every day at home，these many alws spend cannot tell of good times aways but when $I$ count up the blessings from day thankful for．Yes，even whan the to be suffering there are loving letters，and
mauy new and old friends kindly write to me，and that is much pleasure when
one is alone and thinking sen for us．How glad I am，indeed，for that．Then what a blessing it it is to be
sure to have kind friends in the young and old come；it does cheor one very much．How lonely often I would be it
they forgot me．The cold horgot me．The winters in a very
coly too，on a farm，and always a bit lonely， ain thankful for a good son，and Dame shine across my way．Several others
have kindly remembered me．I do thank you，one and all，yes，very much，I as－
sure you．How the Noolk helps us，also the Quitet Hour，and，dear Hope，you too have helpod me many times．I do want
to learn more of Jesus，for see what to learn more of Jesus，for see what
great things He hath done for us all．
He is my Friend and Saviour dear
He is with me while I tarry here I feel His presence ever near，

In sunshine and shadow Jesus is an ver－present help，if we trust Him．
Well，I would like very much to the Nook along，and all I can think of notice anyway－are these fow diens： Well，we have a cold cellar in winter． and all apples freoze，so，after the ruash
and New Year is over，we peel and core and New Year is over，we peel and core
the best of them，and boil down linto good thick them，and boil down into good thick apple sauce，and all lito
large quart sealers，and not a bit of
sugar－only apples well cooked．They sugar－only apples well cooked．They
will keep for years．One large quart will keep for years．One large quart
will make three nice pies，and the apples canned this way are so handy for sauce
or pies when truit is scarce or pies when fruit is scarce in spring or
summer．Try some；I am sure you will summer．Try some；I am sure you will
Hike it．Did jou ever notice how clean and nice a cupboard is 18 you have very
light，clean－looking oilcloth on the shelves，clean－looking oilcloth on the
with a fancy－scolloped edge？ It will wear for years．About once a
month，when you fill your lamps，put in a teaspoon of salt；it makes a brighter light，and the glass keeps clean much
longer．Put it in the lantern too． Now is the time to feed the hens the ground eggshells every day．We keep all
the eggshells in summer：they are easy the eggshells in summer：they are easy
kept，if dry，and feed them in winter． kept，if dry，and feed them in
They are splendid for the hens．
Someone asks suggestions about gitt
for Christmas．A nice cream neck ribbon or silk tie is nice，and any lady not too old，can wear one．When collars is coulfortable and appreciated；a nic black silk one ror an older lady．Neve
forget the dear old people．a nice black apron，nicely made，is nitce for grandma too．We aro too forgetful of the aged
ones．Some have worked hard to make it easier for their children，and then they are forgotten．One old lady ha

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carry letters, etc., in. 3. One copy of "Carmichael,"
3.

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1. Gentleman's nickel watoh for three 2. Gentleurs. an's gold-filled Elgin
2. Waltham watch for thirteen new scribers.

$$
\begin{aligned}
& \text { 3. Lady's sterling } \\
& \text { eight new subscribers. }
\end{aligned}
$$

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London, Ont.


Carmichael. BY ANISON NORTH
 foreith lan iruatan. Inolion in

## Chap Clering

$\qquad$ with a atearing, round as a whee f it over which in time the bitter sweet crept, and the wild clematis threw riot, and the virginia creeper
its leaves, red as coals, in the autumn, about the doors and in Awakened in the morning by a
horus sung by a thousand birds horus sung by a thousand birds,
and getting up to see the gray dawn and getting up to see the gray dawn
fleeing silently to the westward, with one faint, coral cloud in its
wake. Leaning out of an upstairs winow toward the great wood, so
close, almost, that one could touch its branches, and pecring down into he dark depths where the aisles wer ost in shadow and the gray tree-
runks ranged, the pillars in a cathedral of God's own making. Lying awake at night, listening to the murmur of a million leaves, and
watching the moving square of moon light on the floor; or, again, lying here the under the roof, upon of a thousand fairies dancing. Sitting out at the edge of the
wood, and looking across the little round clearing to the billowy tree rose above them like a great golden lantern hung in the sky, and the
shadows grew long and black below with the moonlight lying between ground, and the tall mulleins and bur-marigolds beside you mystically growing, in the curious, dream-lik
right, into small trees. light, into smat trees.
Listening, at such a time, with your cars," and above all, "with
your soul," to all the noises of the night, the murmuring of the trees,
the soft swishing of the corn leaves in the clearing, the chirp of the crickets at a little distance all abou you, the distant, quavering whistl
of a raccoon. Have you known any of these pic ture at first hand-your pictures
your experiences, not mine If so
or you have known something of our
life in the little clearing. Mayhap you have thought life in
Mife in Then you have missed somethin that 1, many as were my limita-
tions, possessed, that tang of wild ness which belongs only to Indians, ittle birds that build deep in the
woods and the fields, and which brings its own sort of happiness.
$\qquad$ Srates, may li.. properly combined wit


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QUESTIONS AND ANSWERS Veterinary

OUESTIONS AND ANSWERS.
 2nd-Questions should be clearly stated
and plainly written on one side

 hot be given.
4th.
toth- When a reply by mail is requirert
to urgent veterinary or legal enquiries
$\$ 1$ must be enclosed.
Miscellaneous.
killing dog-hay fork

$$
\begin{aligned}
& \begin{array}{l}
\text { followed it to " neighbor's. and killed } \\
\text { the dog. He was chasing my sheep } \\
\text { when I saw him, }
\end{array} \\
& \begin{array}{l}
\text { When I saw him, and shot at him the } \\
\text { first time. The dog was two and a h } h \text {. }
\end{array} \\
& \begin{array}{l}
\text { miles fromu home. The owner wants mec } \\
\text { to pay for him. Am I liable for }
\end{array} \\
& \text { tamages " } \\
& \begin{array}{r}
\text { 2. A sells a farin to be with ... } \\
\text { fork up in the barn. A took down }
\end{array} \\
& \begin{array}{l}
\text { carrage. fork, rope and pulleys, ard } \\
\text { sold themi at the sale. Can } \mathrm{B} \text { claim } \\
\text { dumes.) at }
\end{array} \\
& \begin{array}{l}
\text { Ontario. Alfioma slibscriber. } \\
\text { Onges. }
\end{array} \\
& \begin{array}{l}
\text { Ans.-1. No. See Revised Statutes } \\
\text { of Ontario, } 1897 \text {, Chap. 271, Sec. } 9 \text { and }
\end{array} \\
& \begin{array}{l}
\text { 2. Judging from. the foregoing state- } \\
\text { ment of facts alone, we would say that }
\end{array} \\
& \text { PIGS COUGH } \\
& \text { hats of all ages, exrept the sows, seem } \\
& \begin{array}{l}
\text { foocd, with plenty of exercisent kinds } \\
\text { The }
\end{array} \\
& \begin{array}{l}
\text { Ans--Coughing is somentimes caused hy } \\
\text { dust in the bedding or on the floors }
\end{array} \\
& \text { points of a Clydesdale. }
\end{aligned}
$$



$\qquad$

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

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gentlemeu of undoubted interrity who have


Signature.
Address
(State whether we are to address you as $\mathrm{Mr}_{\mathrm{r} . \text {, }}$ Mrs. or Mise




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QUESTIONS AND ANSWERS Miscellaneous.

VETERINARY BOOK, Where can I get a bood reliable ver
nary book, up-to-date; state price?


 is a more elaborate and technical
treatise, for professionals.
Fither may

FEEDS AND FEEDING. I noticed a short time ago some books
advertised in .. The Farmer's Advocate advertised in The Farmer s Advocate.
One I noticed, especially, was ""Feeds \& Feeding," by Henry,

1. Does that work show how to wor 1. Does that work show how to wor
out the commercial value of fords in re
spect to the different nutrients con
spor spect
tained
2 2. Does it contain a table of the com-
monly-used feeds, giving the percenta monly-used feeds, giving the percentage
of the different nutrients contained in them?
2. How many different kinds of liv 4. Is, it a work for the ordinary farm-
er, or is it especially adapted to colleges ?
3. Could you send me sample pages of
its contents? Ans. -1 and 2. Yes.
4. All kinds. 3. All kinds.
5. Valuable for both.
enough to instruct the b $\qquad$ simple
simell as the expert. Any farmer with an ordinary education can undersh it carefully through.
reading
6. No: we have
hand.
BLACKBERRY PLANTING. I am going to plant two acres of
thimbleberries next spring, and would thimbleberries next spring, and would
like you to let me know which is the
most profitable commercial kind for this most proftable commercial kind for thi
district. I have at present one acre
fruiting, but am not satisfied with the fruiting, but am not satisfied with the
varieties, which are Snider, which is to
small a berry and is apt to dry up small a berry and is apt to dry up
Western Triumph, much the same a
Snider; Kittitinny, which is too soft Snider; Kittitinny, which is too soft
cane and does not stand the winter wel
enough, and is too late in the season for good prices. A neighbor of mine has
been growing a feiv Eildorado, and they
seem to do very well, but do not yield so heavily as the others. I have see
the Agawam highly recommended, but
have never seen it grow or fruit. Whicl
is the best kind for common purpose
sither is the best kind for common purposes
Eildorado or Agawam? Ans.-Blackberries. or thimbleberries,
as they are commonly called, are the
tenderest and most uncertain of any of
our small fruits. 1 would not advise

## planting them largely, unless you hav made a test on a small scale, and are and certain they will succeed in your !ocalit

 and upon your soil.with reference to the choice of vari ties, this is very much of a local ques
tion, as what doos well in one locality
will not necessarily be satisfactory for
 canes are not injured by frost, is th
Kittitinny, but, as you say, this is to
tender for northern districts. We ha tried over twenty varieties at Guelph,
but none of them will succeed upon our ocality. Snider is one of the hardy
cinds, but, as you mention, the fruit i
too small and dries up readily on the bush. best plantation of Mackberries
The
have seen in northern Ontario is that
Mr. G. C. Caston, of Craighurst. twelv miles north of Barrie. He grows bot
Agawam and Eldorado. For severa
years he considered the Fildorado one lhe best, but since his experience w
tome of our recent severe winters, some of our recent severe "inters, hee
now looks upon Agawam as the most re.
liahle and satisfactory for his district.
This experience t may.

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teaches the young man "to know" by teaches the young man "to know" by
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## $$
1
$$

SWOLLEN LEGS.


In
Atto
cor
ara
.


$$
\begin{gathered}
\text { corone } \\
\text { ter ev } \\
\text { Ans. } \\
\text { corone } \\
\text { betwee } \\
\text { boles. }
\end{gathered}
$$

A

$$
\begin{aligned}
& \text { te ever since. Her legs swell. W. R. } \\
& \text { Ans.- The matter that escapes at the } \\
& \text { coronet is formed in the foot, probably } \\
& \text { between the sensitive and insensitive } \\
& \text { botes. It may be due to a suppurating } \\
& \text { sorn. The sole under the opening from } \\
& \text { corn. } \\
& \text { which the pus escapes, must be pared }
\end{aligned}
$$

$$
\begin{aligned}
& \text { which the pus escapes, must be pared } \\
& \text { down until the seat of irritation is } \\
& \text { reached. This will allow the the the to } \\
& \text { reace } \\
& \text { escape at the bottom. A Alttle hydro- } \\
& \text { gen-peroxide, or other good disinfectant. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { escape at the bottom. A little hydro- } \\
& \text { gen-peroxide or other good disinfectant, } \\
& \text { should be injected into the sinus from } \\
& \text { above, twice daily, for two or three }
\end{aligned}
$$



$$
\begin{aligned}
& \text { above, twice daily, for two or three } \\
& \text { days. Poultice the foot with warm lin- } \\
& \text { deed meal until lameness disappears. } \\
& \text { s. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { TESTING FOR TUBERCULOSIS. } \\
& \text { Would you kindly let me know, through }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Would you kindly let me know, through } \\
& \text { the columns of your valuable paper, if } \\
& \text { the pore is an inspector appointed by the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { the coumns of your valuabe paper, } \\
& \text { there is an inspector appointed by the } \\
& \text { Covernment for cases of tuberculosis in } \\
& \text { cattle? }
\end{aligned}
$$

$$
\begin{aligned}
& \text { cattle? What steps are necessary in } \\
& \text { ordor to have one's herd examined ? } \\
& \text { Who bears the expense J. C. S. } \\
& \text { Ans.-Write to Dr. J. G. Rutherford, }
\end{aligned}
$$

$$
\left\lvert\, \begin{gathered}
\text { Ans.-Write to Dr. J. } \\
\text { Veter } \\
\text { Veterinary Ditherford, } \\
\text { of Agriculture, }
\end{gathered}\right.
$$

$$
\begin{aligned}
& \text { of Agriculture, Ottawa, stating how } \\
& \text { of } \\
& \text { many cattle you wish to have tested, to- } \\
& \text { gether with the name and address of }
\end{aligned}
$$

$$
\begin{aligned}
& \text { doses of tuberulin required, with a } \\
& \text { chart, with instructions to the veterinary } \\
& \text { surgeon how to make the tepast. The The }
\end{aligned}
$$

$$
\begin{aligned}
& \text { surgeon how to make the tept. The } \\
& \text { veterinary surgeon will return the chart } \\
& \text { filled out, to Dr. Rultherford. If any o } \\
& \text { the animals react. Ir. Rutherford will }
\end{aligned}
$$

$$
\begin{aligned}
& \text { geon for making the test. } \\
& \text { TUMOR ON SHOULDER. }
\end{aligned}
$$


spot. It is now four inches in diameter
and one and a half inches deep. It is



Thaot hituitizian





In Ontario Vowiluary Calloge, LIW. Fexinimity


 Abardoni - Angle Catto

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Young bulls, aleo fomalee of variose avob
 ABERDEEN - ANGVB
 WILTMR Finh. Tachindton, Ontarlo. W. R. BOWMAN, MTT. FOREET. Durham bulle. roans and reda, pired by import
od Nowton $P$-inoo
ontic. shropaire ram and





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Lilter Cariier




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 ome and see them oraddrees M. H. O'NEIL. J. BRYDONE, Broeder of prore Boonh Bher



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ters: A number of choice rams and ram lambs,
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 MAPLE GROVE SHORTHORNS Finnorat at the looal biow. A. number of in ind
 old the liat will mako show boll. Forab brod-
 the party was seat forvarad the chinook,
thentana, to orer cars and make the
Mecessary
arrangements necessary arrangements for loading
Atter making the necessary at the police station, the cattle were
headded for Chinook and arrived there on
the evening hin everything of November 4th. We found
and by the eventage of cars
and of the 5 bin wo Cricty cago
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Hinol and fed, and they were also fod and
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proved its value in another connection. I had a sore on the inside of my nostril, and at the same time was suffering with atarrh. I put some Zam-Buk inside my nuse to cure the sore, and was surprised
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Several years ago a rivalry in the pro-
duction of large hogs sprang up among uction of large hogs sprang up among
he farmers in Kansas. A sign that seldom failed to attract the attention of the biggest hog in Kansas call at my farm and inquire for me.-Silas Lowe."
going to town to live The old, worn-out farmers-the farmers ho have rented their "places," the armers who have sold out to the boy It was a species of insanity in frst place, but at any time could be diagnosed as a big mistake. They are at of place in town.
o pigs to chase out of the There and heir cattle never get into the oats. hare is no sheep-washing time, no hog-killing, no cider-making time
They have to wear unaccustome
clothes, and they long for the comfort able overalls and smock, the big roomy
boots, and the great skin cap or strai bots, and the great skin cap or straw
hat. They begin to waste and fade be cause they don't feed
did back on the farm.
They lived like lords out on the
". place,", because their food practically cost them nothing. A smoke-house full of hams, shoulders and side meat was a
matter of course. Egys could be had
for the going to the barn for them; a chicken on state occasions was never
missed missed from the flock, and butter on
cost a strenuous quart sr of an hour churning it
But now, when they have got to buy
'most everything, it is awfully different. Then stint themselves on butter at price altogethe

| They never see a fresh egg, for it | sure |
| :--- | :--- | :--- |
| would be a sin to pay 40 cents a dozen |  |
| mon |  |
| mas |  |
| for them. And do you know what that |  |
| means? All the nice dishes on the farm, |  |


$\qquad$ a mite, what does he want with whe water
works? The sidewalks are good enough
the streets are all rikht. and if anymol
s suggests a park
Bashan, ... What rours like a a bull
hear him all ark! You cal
$\qquad$
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 Breeders and Importers of High-olass Ayrshire Cattle, Clydesdale Horses, Yorkshime 8wine and Collle Doge aything for sale. We offer espeoially a Aow belect young
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AYRSHIRE CATTLE All animalu brod and oarefully golootod for
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WEAK $\begin{gathered}\text { How many momen } \\ \text { there }\end{gathered}$ TIRED froshment from sleep WOMEN They make in the momWhen they ment to bed They have o diryy ennation in the bead tho heart papititate; they are irritable
and nervous, weak ind morn out and thd nerrout Huaband worm out, and dhe neem to bo \& drag and a burden
MILBURN'S HEART AND NERVE PILLS are the very remedy that weak, nerrous,
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these words
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gard. "Make g
Short shift to the laggard
No matter how big th
mand upon body and brain.
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mand upon body and brain.
All this effort, this
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Nervous System is overstrained, down goes the man, the organs of his body refuse to work : its normal fund
tions ben
Overworked, broken-down men and women, do not despai

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ness, Headaches, Sleeplessness, Stomach Trouble. Indigestion. Constipation, Weakness of th. Kidneys, Went
Back, Rheumatism, Lumbago, Sciatica, Neuralgia, Poor Circulation, Urinal Trouble, Weakness of the Orgaul
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I received the iselt all right, ar
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Free to All-My Beautiful Book.
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