## PUBLISHED EVERY WEEK. \$1.50 PL " ${ }^{\circ} \alpha_{0, c}$ YEAR.



Vol XXXIX. LONDON, ONTARIO. FEBRUARY 25, 1904. WINNIPEG, MANITOBA. No. 696

Head Office,
Chief Exitive Office, MORONTO. BRANCHES:




 AVELOCI NEWMARERT ZUREGB


 D.M. STEWART, General Manager.

What shrunk your woolens? Why did holes wear so soon? You used common soap.

Sunlight SOAP
axpocere ETEPEASE



## Don't let the Other Fellow Get Ahead of You

If you are a Hustler and wide-awake to your own interests, better write at once and secure the Agency for "FROST FENCE AND GATES" in your section.
the frost Wire fence co. Ltd. winlind. ont. man. Bank овоито.

It is Llike Putting Money in the Bank of Montraal to Food Improved Molasses Cattle Food,
Why? IT savis trial. IT savis your moniz

 THE DRESDEN SUCOAR COMPANY, Drosden, Ontario.

## TIRST'S DAN EXTERMINAIOR

TABLE OF CONTENTS.-The list of Contents in this issue of
the "Farmer's Advocate" will be found on the page preceding the Home Magazine department.

 DELICIOUS, NUTRITIOUS, EASILY PREPARED.

Portand Cemene DRAII PIPES TILES

Whion are always nezdid BY CAMADIAN FARMERS WHO
ARE UP-TO-DATE.
F. Hyde \& Co., MONTREAL.

## MONTETY <br>   British Columbia Farm Lants  Fo J. HART AOO., NEW WESTMINSTER, B. ©

Catalogue Pirithng Our Specidity

 London Printlag and Lllh, Gompijy, Llitu


A CANAPIAN AIRMOTOR Wir sun jur nine, Llibior and Money.
 1unnotle ; in
Ontrino Wind Engine 8 Pump Bo., povima +Cocec omararo.


Patontod and Pend- Gasoline Threshing Engine. Write for pricos, The)joLaohian Casoline Engine Co., Ltd., 201 Queen 8t. E.. Toronto, in or to W. C. WHLCOX \& CO., Winnipels, agents for Manitobe and Northwest.

## 

More people die every year in eonsequence of cold feet and limbs than any other cause. To keep the feet warm is to protect the whole body, Oeig
tloctirlo Yoot Battories will warm the feet in five minutes, and keep a comfortable, genial glow in the feet and limbs all day long. These Vitalizing Poot Batteries increase the flow of blood in the feet and limbs, relieve the tired sidk headache caused by too much blood upon the brain. These Electric Foot
Batteries work outa change for the whole body, cure Rheumatism, aches and palis Batteries work outa change for the whole body, cure Rheumatism, aches and palas
in thi feet and limbs, remove Chirbtains, and cause a pleasant, agreeable feeling of life, vigor and warmoth, equal to the soft rays of sunshine. Electricity is "Bottled Sunshine. If you would have warm feet send for these Insoles; 50e a pair ;


The F: E KARN GD, $!32$ Victoria Street, Toronto, Can.


IT'S MONEY IN YOUR POCEET
To use Pedlar Steel Cellings.
The entire surface appears to be one beautiful combination of curves and angles, without beginning or without ending-
veritable triumph of the interior decorator's skill. Churches, dwellings, meeting halls, stores, and offices when fitted up with Pedlar Steel Ceiling and Wall Patterns present an appearance of richness and stability that cannot be duplicated in lath or plaster. Besides they are economical.

THE PEDLAR

## Eastern Ontario

Live Stock and Poultry Show, HOREEB, OATTLE
GMEEP, SWINE, POULTRY
whe be nimd at
OTTAWA, ONT.,
MARCH 7th to 1ith, 1904.
Good exhibition bulldings. The stallion
Bhow is an exoellent opportunity for show is an expoellient opportunity for
buyere Practioalive stook and poultry ioctures binch day of the show. Re. Troed priseongetion anpy to
J. G. Sthith, A. P. Westorvelit,


## TREES

Fruit and Ornamental SPLENDID AESORTMENT Actually first hand. Why pay intermediate profits when you can buy for price list and catalogue at once to Winona Nurserv Co. winowa, ontarlo.

## Gio West

and settle on the line of the
Canadian Pacific Railway,
and profit by the good markets, large towns and best ship-
ping facilities, Write
ROBT. KERR,

Columbla Hay Press
bunit by the
Columbla Pay Press Do., Kingullle, Ont

 keep out the weather.
sond careftion imensions of roof for free estimate
nd free cataloopue.
The Metal Shingle a Siding Co., Limited
pheaton, ont
GPODTCO 0
92 BAY ST
CUTS BY ALI PROCESSE:
LIVE STOCK A SPECLALITY
WVERGREENS

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE.

## Che

## Farmer's Yidvocate and Home Jragazine.

EDITORIAL

## National Stock-breeders' Convention

 and conventions. Canada is fairly well furnished with live-stock organizations, but to fittingly ound out the list, the call comes from Ottawa for the " First annual meeting of the National Association of Canadian Stock-breeders," to be held in the City Hall of the capital on March 7th to 12th next. It is designed to be national in aims and membership. The object stated is to unite the strength of the live-stock interests in the various Provinces, and thus give Canadian stockbreeders a prestige and influence not now possessed. Such a gathering should be advantageous as a means of settling in some measure the policy Canada with foreign countries, though with regard to the former, the natural law of " supply and demand " is perhaps the safest regulator Our Manitoba and Northwest breeders should petition by reason of Eastern organizations heav ily aided by government grants.Properly representative, it is obvious that such an organization of men from all the Provinces would be of very great assistance to the Dominion Live-stock Commissioner, and would do good, if nothing more were accomplished at the meeting West and East, together to discuss in a friendly way their diverse interests, and to find common ground, by a little give and take, upon which all
might stand. The Chief of the Dairy Division (Mr. Ruddick) finds need for such a conference, and he annually calls together at Ottawa a meeting of dairy experts, leading manufacturers, porters, heads of dairy schools and instructors, This seems to be more workable than the " National Dairymen's Association," organized a few years ago at Ottawa with great expectations, but which never held a second meeting. organize the association was found comparatively easy, but its direction to the accomplishment useful work was not so simple, nor would busy men, without very tangible objects in view, and possibly the payment of their expenses, see their annually, or even every two years. We have already published the long list of subjects proposed to be discussed at the roming conn.
vention. With regard to securing improved transportation facilities and freight rates, and the extension
of interprovincial and foreign trade (including the West Indies, South America and South Africa) in breeding and commercial live-stock and its products, there will doubtless be unanimity of opinion, and the deliverances of a national association touching these matters should give weight and influence to its representations. It will be well to prepare to afford our stockmen and exporters cvery advantage to be secured through the in strumentality of the new Railway Commission. The question of protection to our wool-growers from the competition of shoddy goods is of vital importance to one of the most worthy industries of our country, and, incidentally, to a very large ceived and defrauded by the sale of inferior products under specious names.

The regulation of the importation of live stock from foreign couhtries for breeding or commercial national customs and fiscal consideration onter,
as well as of immigration, and which must be
carefully handled by government, but breeders will be practically unanimous in the domand for the levying of higher duties on inferior horses, and rotection for the people frombtful breeding these points strong representations to the Do minion Government will doubtless be made, and with good reason, for an improvement on present conditions, which are painfully discouraging the enterprising breeders of our own country The discussion of the latter subject will naturally bring up the question of pedigree records, which occupies a large place in the convention progranme, and this will be one of the most intricate questions with which the meeting will have to deal

With existing records, indeed, it will have no power to deal, and without consent of the associations now controlling them the convention will be powerless to effect any change in their management or direction. The public pedigre records of pure-bred stock in this country are more rationally managed than in any other coun try we know of, being controlled by representatives of the breeders of each class. They are the people most intimately interested and most con versant with the requirements of such records and only by the will of the majority can any Change in their character or control be effected The unnecessary multiplication of records is to be deprecated. It is exceedingly desirable that there should be but one register for one breed in Canada, but this being a free country, can we constitutionally proceed to prevent any man, or they so elect?

The records controlled by the Dominion Breed Associations are acknowledged to be of as high standard as those in any other country, and in all respects as reliable and creditable. It is a quesrion, then, for the breeders composing these associations to decide whether they shall continue to control, as at present, the records they have established and sustained, or whether it would be wise to hand them over to a department of tho Central Government, to be kept by its officials. Ir the latter course be adopted, it would be subject to regulations laid down by the breed associations interested, which would still have to be retained in existence, as well as the National Association. An important point for consideracron right here is the effect that this might have upon the existing breed associations and their annual meetings. Under the new conditions could the Dominion Shorthorn Breeders Association continue to render the same generous aid as at present to the leading exnibitions of the country, from Atlantic to Pacific, and wind up the year's business with over $\$ 5,000$ in the treasury
We have no records for certain breeds of stock that are being imported from the United States and for these, as indeed for all registered stock admitted free of duty for breeding purposes from that country, the Canadian customs officials recog nize certificates of registration in United States records, while the American customs regulations ignore our records and accept only certificates o registry in their own. Calling our records by what ever name we may, will not alter the American policy. If it be decided that we should adopt the narrow, increasingly vexatious and restrictiv policy of our neighbors, we must either open registers for the classes of stock for which we animals of these clasper imported from the States If there is not enough breeders of these classes it
this country to form a society and formulate a is country to form a societ and formulate yould be expected to open a register for them, and in that event we should have two classes of records, one under the direction of the breeders the other run by the Goveriment alone.
It is said that the arrangements for reduced reight rates secured by the breeders' associations from the railway companies for the carrying of registered stock are endangered by the ssuance of certificates of registry by record asso iations not recognized by the Dominion organiza ions. We know not to what extent this prac ice prevails or the extent of the dancer, but it would seem to be quite practicable to speciry to he a carrying por he agets of ca by the bre ions to which this privilege has been granted n auch cases as this, and for international ar rangements re crossing " the lines" as well as a afeguard to the general former who is not pested on the record question, it would certainly be de sirable, if breeders are not disposed to surrende heir records and run the hazards which some toe of political complications arising to have an ar angement made whereby the Dominion Depart ment of Agriculture could in some wey authorize $r$ reco Ganadian records was, we understand furnithe he St Louis Fair authorities by the Dominio Department of Agriculture not long ago and in lu . Clemose and a couple of . Ulins, a a ieves the the heir the plist or are ary out in the control of their own funds, to be far the best but suggests for suar ntee or record of purity, that these omcers migh e under general supervis of a supervisor ap ointed and paid by the Donion Government ecorder interested and posted in the bre
Changes in the management of our records, it vill thus be seen, is a complicated question, of ar-reaching importance to breeders, who will be disposed to hasten deliberately in considering proosed changes in the present system. There is fascination to enthusiastic breeders in the pedi gree reoords of the breed they espouse, and this a strong factor in arousing interest and bind ing them together in a fraternity prepared to ropagate, and, if need be, fight for their favo tes in the keen competition of the period.
Of course, the new National Association can not deal finally with many of these questions, but the opinions of the live-stock men assembled will becured and steps taken to urge the adoption the association's recommendations.
We trust the convention will be largely at and and that its deliberations and the asso ciation formed will make for the continued adar the live minion.

## A Request.

The policy of the "Farmer's Advocate" is to reat ils readers and patrons fairly and frankly, and to give them the most efficient serviee in our power. Publishing the paper weekly has practically doubled the correspondence and number of enquiries received. Half a dozen communications during the past fortnight compel us to emind the writers that they have neglected to AND MOST-OFFICE ADDRESS MUST IN EVERY CASE BE GIVEN. We cannot undertake to deal condition, good friends, and we will do our beat.
the Farmer's Advocate and Home Magazine.
thi leading agricultural journal in thb DOMINION.
THE WILLIABM WELDEE COMPANY (Linited).
Two Distinct Publications-Eastrrn and Western.

Carling Street, London,
Western Offica:

Branch Office: Calgary, Alberta,
London (England) Offics:
London (England) Ofricr:
W. W. CHAPMAN. Agent, Mowbray House, Norfolk Street,
London, W. C., England.

## John Weld, Marager.

2. THE FARMER'S
(sa issues per year).
It is impartial and independent of all cliques or parties, handsomely

 ERMS OF SUBSCRIPTINN. -In Canade, Un
England. reland and Scotlandi. S.-so per year, in ad
when not paid in advance. Al other countren,
3. ADVERTISIINQ RATEES. All other countries, 120

received for its discontinuance. All payments of arrearages must
bemmenes requined by lew.
THE LAW IS, that all subscribers to newspapers are held respon-
sile until all arrearages are paid and their paper ordered to be
sible until all arrearages are paid and their paper ordered to be
4. REMITTANCES should be made direct to this office, either by

Money Order or Registered Leter, which
When made otherwise we will not be resosible.
THE DATE ON YOUR LABL shows to what time your
\%. THE DATE ON Y Y Y Yition is paid.
8. ANDOCription is paid.
9. LETTERS ins communications will receive no attention.
side of the publication should be written on one

2a. CHANGE OF ADDRE
10. CHANGE OF ADDRESS. - Subscribers when ordering act-ango
21. WE INVITE FARMERS to write us on any agricultural topic

 sent us must not
appeared in
receipt of pourtage
12. ALL COMMUNICATIONS in reference to any matter connected individual comennected with the paper.
ddress-THE FARMER'S ADVOCATE,

## The Fair Problem.

During the past few years there has bean noticeable a marked change in the general character of many of our smaller country fairs. The movement has been an effort to adapt the work and sphere of fairs to the cranged eondertakingt the agriculural inasle capable, broad-minded has been in the hands of capabie, broad-minded officials, the change may truthrury be casure the ized as improvement. In a large measure the source of meeting of the institution known as the Canadian Association of held annually in Toronto, and are attended by representatives of fair boards
from all parts of the Province of Ontario. The from all parts of the Province of Ontario. The
object of meeting is to exchange ideas on the object of meeting
management of fairs;
manageme
provement, and to endeavor to secure a uniformity
of ideals among those having in charge the work of conducting agricultural exhibitions, At the
annual meeting last week in Toronto, the unanimous opinion of the delegates was that the efforts ly satisfactory.
showed that man
lethargic and comatose condition to vital educa tional institutions.
cessful fair boards are now directed toward inter
esting the younger generation in their work, the introduction of such features
fruit judging contests, gymkhanas, children's hibits, model kitchens, experimental plots and
numerous other events and exhibits, are all cal numerous other events and exhibit
culated to develop a local interest

Caps the Climax.

[^0]
## Canadian Forestry.

As a nation, Canada has been richly endowed with natural resources. One of the greatest of these is her forest wealth. To a nation or State natural resources stand in the same relation as capital to the individual, and the Stato obviousty a shrewd, practical business man manages his capital. If such were the case in Canada, our forests would not be decreasing at the prodigious rate that has characterized them during the past fifty years. As a State or nation, we have been dissipating our capital instead of supplying our needs from its natural increment without reducing its amount. That we have done so, the drifting sands, bare rock, barren soils in almost all parts of the Dominion which formerly carried magnificent pine forests, bear solemn and positive evidence. Our situation now is one that alls for prompt and vigorous measures if we are to preserve what to the nation is one of her most
valuable assets. The work is one for governments. It involves the investment of large sums of monev, and the care of valuable property that cannot be expected to vield great if any returns for many years: but should be undertaken in the interests of future generations. To continue oun present lavish destruction of valuahle timber without making any provision for replacing it to rob posterity of a patrimony bequeathed them just as positively as is their nationality. Forests are not the property of any set of persons, or any future generations

Canada to-day is in need of a public sentiment that will prompt her Provincial Governments and Federal Parliament to protect the present forest areas and provide for reforestation of those lands that are not suitable for agricultural purnoses There is no doubt that such a sentiment exists
but it is passive . it should be vital and active It should find expression in our demands upon legiclators. in public meetings, through the col$u m n s$ of the press, in the organization of local
civic improvement societies, and in the encourace civic improvement societies. and of forestry associations already formed The trouble in the pact has hern that the averace viding for posterity more than one generation dis tant. and we have fallen into the hahit of committing the solution of such prohlems as futur wood sumply to the inventions of scientific min direct the uses of natural products, not to nroable to do has heen to device miethods of svstem atic forestry, and scienticts are now ureing slich methods unon our governments. Whethen the penple to sav. Let our peonle linderstand their need: let there be a keen public sentiment in favor of liberal reforestation and forestry, and let our governments, no matter what their polifoster this-our great natural resource.

## Canadian Wheat in England.

It is stated by The Miller, the leading periodical of the English grain and flour trade, that a samples of Canadian wheat recently to hand there. " We have taken," says our contemporary,
" the trouble to examine a number of recent arrivals and compare them with made-up standards, and in the majority of instances, especially in No. 2 Northern, arrivals are much superior to the
+fandards. We have proved to our own satisfaction that wheats bought on Winnipeg inspection are en-irmly to the relied upon, and it now remains inc individul buvers to make their demands acCanni.n whit have advanced in value from £2,-
 instance the United Etente have declined."

## The Manchester Market.

Great Britain, with its dense population of 45 millions of people, contained within an area hot greater than the settled portion of the Province of Ontario, is the Mecca for the over-production
in food products of nearly all the countries of the in food products of nearly allure their home market is invaded by the enterprising and ambitious manufacturers of other countries. The Manchester district is the most densely peopled of any part of the Kingdom; in fact, it may be said of any part of the world within the same area. Within a population of five millions may be counted, whilst within a radius of 40 miles around the Manchester Cotton Exchange, a population is aggregated numbering eight millions of people, or about one-firth of the City of Manchester is no longer insular, Lut a magnificent scaport, created and raised to this commanding position by the energy, enterprise and sacrifices of her sons. The
Manchester ship canal, which cost $\$ 17,000,000$ sterling, now enables vessels of the largest size to carry their cargoes right up from the sea inland, a distance of 40 miles. The greatest market, therefore, of the Lnited Kingoom is concentratac shippers and manufacturers is easily within their reach, as a direct trading line, the Manchester liners from Montreal in summer, and St. John and Halifax in winter, is now firmly estabshed Arade between Canada and Manchester, I can point to the continual growth of the imports of cheese. In 1896 the quantity imported into Manchester was 2,376 boxes during the cheese season, May to November, and rapiby 1903 which shows a total succeeding years, until The quantity of butter advanced from 13 boxes in 1897 to 38,775 boxes in 1902. These figures merely show the quantity brought up the canal, and by no means represent the quantity sold and handled by Manchester imavenues, especially by way of Liverpool, owing to the larger number of vessels sailing from Cana dian and American cities to that port, and carry ing much larger quantities on through bills lading to Mancheste
BUTTER.
The total imports of butter into England
during the year 1903 reached
enormonse
enormous sum of ................................ $£ 20,788$, , 115
which sum Canada supplied..................... 866,240
from Canada was imported years, when $1,347,343$
Cheese. 481,103

Of which Canada contributed. -.054,305
otal imports .........................
$6,617,640$
218,571
Total imports ........................................... 13,619,140 of which Canada supplied ............................. 1,691,687

It will be perceived that a great margin is still leit for Canada to fill in these leading lines of provisions. It is the feeling of the trade, and it is recommended that it would be a great advan steamship companies would make a point of carying it at a much lower temperature. Experts contend that it is simply a waste of effort to carry an article $30^{\circ}$ o $35^{\circ}$ and expect it to arrive in per fect condition. The room in which butter is stored in transit should never be allowed to go above $20^{\circ}$. The quality of the Canadian butte on the whole for last year was satisfactory. The
great object to be attained is that it should be great object to be attained is that it should shipped as fresh as possible. The great comnetitor on the English market is "Danish," which realizes 10 s . and sometimes 15 s . per crut. more than the Canadian article. The proximity to
this market of Denmark on the one side, and of Ireland on the other. for fresh made creameries gives them an advantage over the production of Canada. but this may to a great extent be coun eracted by the superexcellence of Canadian manu The openings in Canada seem practically uncontinued growth of the English population is taken into account. The greatest consideration and favor is shown by consumers to Canadial products, but they can only maintain their posi-
tion by continued excellence in quality. The great Consuming public in Fingland, represented by the individual purchaser with money in his pocket will seek and bry only the best article at the Cheapest price. This invariable practice is the
only one the individual follows, no matter what Only one the individual follows, no matter what
he utters in the way of sentiment or cordiality. As no cheese comes to England better than the
Cariadian, and as no butter, except, perhaps

Danish and Irish creamery, excel it in quality, rank well in the market, owing to their care in packing and their cleanliness, it is manifest that lent course of manufacture and trading which she has inaugurated, to enable her to hold her position against all competitors in the English market. Manchester and district is the market, above all, worth cultivating. P. B. MACNAMARA.

Note-Among other imports from Canada in the items of Mancheiter $1,002,335$ bushels of wheat.-E.d.]

## Our Scottish Letter

ol- whet 1904 is gone, and we ale be ginning to ask whether the year to cone is to be
like the one behind. Rain has fallen to a considerable extent, and farming operations are very
nearly upside down. Plowing in this country under normal conditions proceeds thuswise About the middle of October the stubbles Iogin to be plowed; when these are turned off an attack is made on the len or pasture land, and last of all the roots or the excessive rainfall, The orider has account of the excessive rainfall, the order has
been reversed. Herses could not go on to the stubbles, which were soated. The leas or turf soils have, therefore, been dealt with, and the stubbles postroner. Now there is nothing to do forces from the stubbles. carting operations or also at a standstill, the ground being so soft that carts cannot go over it, and, withal, the winter has been so oren that now the leas begin to ing a regular old-timer Canadian winter we are having one which probably only a Maritime Prov ince man could moderately enjoy. Even my limited experience of a Canadian winter leads me preferable to perpetual dripnings with which is are familiar here. Ifet us hope we are not to have a repetition of the experiences of 1903. Various subjects of interest have been dehatef
at our club meetings during the winter. Good work is being done by these organizations, which
take the place of vour Institutes. Here such take the place of your institutes. Here such
organizations are voluntary. The Government departments do nothing for us; the result is a large independence of thought and expression, and
straicht talking, very often to the detriment of the Government denartment. When the powers
that be subsidize, they are not likely to be so frankly criticised as when they leave far ners to plow their own furrow. The Board of Agricul-
ture is here being talked to about its swine fever policy. Fdinburgh and the Lothians generally the loard. The next thing will be an attack in


Group of Imported Prizewinning Belgian Stallions, Ranging in Weight from 2,000 to 2,400 Peunds. The property of Dunhami Fletoher \& Coldman, Wayne, Du Page County, Illineis,

Parliament. The theory is that the Board's plan
is more likely to increase the ravages of the fever than to allay them. This, howe.er, is an exaggeration. The Board $s_{i}$ ent many hundreds disease, which failed. It now resolves to let the disease run its course, but schedules the area within which it is found. This does not tend to the despatch of business. As a matter of fact, it
cripples trade, as the swine cannot be moved out of the scheduled area, even for slaughter. There is a want of tact on the part of our present
Minister of Agriculture, the Earl of Onslow. He says things unwisely, and possibly his remarks on some points may come home to roost.
Subjects with which you are little familiar in
Canada interest us greatly here. The Systems of Land Tenure is one of these subjects. Any attempt to master the intricacies of such a theme must appear wearisome to those accustomed Country, where there is abundance for all and spare. He:e there is a land famine and it may surprise you to learn that in the Border and Lothian districts the rent of land is advancing. What silver-lining appears in the cloud which hangs over agriculture to warrant this hopeful undoubtedly, the love of Scotchmen for agriculture and the scarcity of good land. In the 1othians and on the Borders the chief customers country-the districts in which dairying is carried on. As a rule, dairy farmers can take more money out of land than others-mainly because they work harder and live in a more frugal style swell. He kent his or Lothian farmer was hounds two days a week. The newcomer does not know much about that kind of life, but he an give the landlord a bigger rent than the hetter Fxpensive habits and aping the landior of the aristocracy must in these days give place to industry, thrift, and stock-raising. Dairy farming was prosperous in 1903. There s a growing disposition to make it more so in 904. How far success will crown these efforty ment from the fact that the best incentive to progress here has been the high quality of Canadian cheese during the past season. At a recent meeting a leading gentleman in dairying affairs, ferred to the report that a sample of Canadian cheese had been sold at 71 s . 9d. per cwt . of 112 lbs.; that is, at the rate of about 15 cents fer 1 lb . He urged dairy farmers here to wake up, and certainly there is every disposition on their part to
do so. Lact year the Stewartry of Kirkcuddo so. Lact year the Stewartry of Kirkcudshire. The last-named county has resolved t
adopt a system of itinerant instruction in cheasemaking, similar to that which has proved so suc cessiul in the nelghboring counties. There is plenty or ways command a big price.

## HORSES

Preparing Horses for Spring Work.

## A large majority of farmers require more

 during the winter months. As consequence some of then run idle from the time the ground reezes in the fall until it is fit to work in the ter these idle horses as cheaply as possible ter these idle horses as cheaply as possible, andwhile he may give sufficient food to prevent them failing very much in flesh, on account of actual or comparative idleness they have lost muscular and respiratory tone, and the flesh they still retain is not of an enduring nature. It is, of
course, of horses that have been wintered in this course, of horses that have been wintered in this
way we wish to speak. Those that bave been inore or less regularly worked or driven during the winter months will require no special fitting, as they will be in a condition to go to work
without. Whether idleness, and consequent deple tion of the functions mentioned during a few months of each year is beneficial ; whether it conduces to longevity; whether the animal is better fitted to perform hard labor after te has been
properly fitted than his brother that has conproperly fitted than his brother that has con-
stantly been kept in working form, we will not discuss at present. in working form, we will not been allowed to get out of shape for work, hence it is wi e we should take means to bring him
back to form before asking him to perform the back to form before asking him to perform the labors of a horse. We claim that this cannot be
properly done in a short time, and also that it properly done in a short time, and also that it
requires care, time and intelligence to do so. At least six weeks should be allowed for this preparation. Assuming that regular farm work will in all probatility commence about the middle of
April, we should commence a systematic preparation of the horses about the first of March. We will grant that the muscular, respiratory and digestive systems have lost tone as the result of comparative inaction for three or four months. required or advisable. Of course, if any disease is present, it should be treated, but the common nractice of commencing the fitting process by administering to each 'animal a drastic purgative tional and harmful. Purgatives in all cases deplete the patient more or less, and, as a consequence, should not be given except in cases where some abnormal condition which indicates purgation be present. Then, again, we do not
recommend the use of commercial stock foods. A healthy animal will be able to digest and assimilate a sufficient quantity of food without the aid of drugs and medicines to stimand, in many cases, cause fatty degeneration and disintegration of tissue. Doubtess some of said foods cause
idle or comparatively idle horses to lay on flesh rapidly, and the coat to assume glossy appearance, but in many cases this is done at
loss of constitutional nergy, and unless the administration of the drug be continued the animal will lose flesh and appearance much faster than he gained
them. We think the proper method is to commence a systematic method of feeding and exercising without the use of drugs in any shàpe.
If the horse has been winered ho straw in winsilage, and a little grain. the change of food should be pradually made. As we these columns, in order to avoid digestive derangement in all classes of stock, all changes in the nature or
kind of food should be made kind of food should be made
lowly. Of course, we depend upon hay and oats principally to fit our horses nd keep them fit for work. The change from straw to ng a little hay at first, gradually increasing the quantity, and consequently quantity of straw consumed. an days he may be allowe all the hay he will eat. The


## Glasgow Stallion Show

We have just got over the Spring Stallion Show at Glasgow. It was held on February 3rd, horses. The trade in Clydesdales has been brisk, and there is a good deniand at present, both at home and abroad. Since I last wrote a unique Ahipment of Clydesdales was made to Australia. A wealthy native of Ayrshre, James Kilpatrick to purchase for him two stallions and three mares.
The mares were to be in foal to the three famous The mares were to be in foal to the and his son, commission to good purpose. He sent the stal lions, Nozawattee 10817 and Royal Title 11923 . The mares were Lady White, a daughter of Hiawatha, and champion last year at Kilmarnock and Glasgow, in foal to Baron o' Bucklyvie : Donna
Roma, a Macgregor mare, full sister to the great horse Drumflower, in foal to Baron's Pride, Ledy Horatio 14683, in foal to Hiawatha. A
shipment of this kind should advance the Clydesshipment of this kind should advance the Clydes
dale interest under the Southern Cross. Canada dale interest une active purchaser during the past
has also been an last letter I mentioned the ship-
month. In my lat ment made by Mr. Richardson, of Smith \& Richardson, Columbus, Ont. Since then Mr.
Tom Graham, of Graham Bros., Claremont, Ont., Tom Graham, of Grahamlions, nine for his own
has sailed with ten stallise for Mr. Robt. Davies,
firm, and one as stud horse for Toronto. The last is a promising big horse, hy the champion sire, Prince Thomas 10262 , which
was purchased at public auction for $£ 950$. The and among them are several got by the cham-
pion, Baron s Pride 9122 , and his noted son, Up-to-Time 10475, one of the most successful breed
ing horses of the day. One of these horses is own brother Lady Victoria
prize mare, named Scotish year, and a noted prize mare, named Scottish Grace. Others are by premiums, and I expect har. Gramand demand for these horses. same week as Mr. Graham was Mr. T. H. Has
card, Millbrook, Ont. This was his third trip within twelve months.
of horses, and nearly all of them were three-year
olds. Mr. Graham got all his horses Messrs. A. \& W. Montgomery, Kirkcudbright, Hassard bought three of his from Mr. Pet Crawford, Dargavel, Dumfries; Lwo from Mr. Jas
Kilpatrick, Craigie Mains, Kilmarnock, and fiv rom Mr. W. S. Park, Mr. Hassard's shipment is the prize horse Gallant Robert 10347, a half
hrother to the extraordinary champion horse fiawatha, whose stock yesterday were figuring t has thremerar-11d horses by the champion Prince
Thomas 11,2fi2, the famed Mains of Airies 10379
he If \& 1 , first-rize horse, (Good Gift 10564
the Glasgow premium horse, Clan Chattan 10527 and that grand, big horse, Royal Carrick 10270 which also won the Glasgow premium and stooc
second at the H. \& A. S. show at Inverness After a shipment like this it will not surprise us to see Mr. Hassard back again in a few months He has the kind of horses that Canada wants. The Stallion Show was a success. The ex hibits, as a rule, were big horses, with plenty
weights and substance. The supreme honor the show, the Society's $20-\mathrm{gs}$. cup, went to Mr George Alston's Revelanta 11876, a son of Baron's Pride, and winner of numerous prizes during the past two years. He was bred by Mr.
John W. Hannah, Girvan Mains, and his dam is a good breeding mare, by the famous $£ 3,000$ a good breeding mare, Prince of Albion 6178. Besides Revelanta, sons of Baron's Pride were second and third in the same class of three-year-old horses. Mr. Clark's Baron's Best 11597, which sometimes beat McConnell's Baron's Crest 12024 was placed third. Baron's Best, in a class of three-year-olds, competing for the Glasgow district premium of four years old and upwards, Mr. A. B. Matthews, Newton-Stewart, was first, with the six-year-old horse, Labori 10791. This horse was first at Glasgow when a three-year-old. He is a son of the celebrated Hiawatha and although defeated gs. cup, he won the Brydon $100-\mathrm{gs}$. challenge gs. cup, he won the Brydon had not been entered. This is the first year in which this great prize has been competed for. It is presented by Mr. Robert Brydon, the encourage the breeding of big horses. No horse can win it, if three years old, unless at least 16.3 hands high, or if four years or upwards, unless 17 hands high, with width and depth in proportion. No horse can
win it unless he is passed sound by a qualified veterinary surgeon, and if four years old, he must be proved to have left fifty per cent. of the mares served by him in the previous year in foal. It is unfortunate that the first horse to win this
trophy should have been beaten in an open competition by a three-year-old, jet the decision cannot be called in question. Second in the aged class to Labori, stood Mr. W. S. Park's fine level Clydesdale stallion, Royal Chattan 11489, one of
the truest Clydesdale stallions we have. Mr. Iames Kilpatrick was third with Pearl Stone 11449, which won the three-year-old class a year ago. The aged Glasgow premium horse, Marconi
11817 , owned by Mr. John Leokie, Inchwood, Wilton of Campsie, and a son of Hiawatha, was ourth. The first-prize two-year-old, Mr. Marshall's Hiaw'atha "Godolphin," was also got by
the same sire. Mr. John Kerr, Redhall, Wigton, Cumberland, showed two grand horses - full brothers-Lothian Again 11804 and Lord Lons-
dale 11799 . They were both placed in their classes, and hired for good districts. Their sire was the famous Cumberland breeding horse, Lord
" SCOTLAND YET."

## STOCK.

## Observations on Sheep-breeding

As the result of an extended series of experi-
ments, the following observations on sheep-breeding are made
ormal perio breeding records of 154 ewes, the normal period of gestation ranges from 144 to
150 days after the date of service, and more ewes
will lamb 146 days after service than at any There is no appreciable difference in the period of gestation for male and female offispring in tion of the period of gestation and the period requized to carry their young for shorter periods than those breeds requiring more time to mature. medium lambs.
lambs dropped before the one hundred and forty-fourth day and after the one hundred an of pregnancy are lacking :trength and vitality at birth.
From the data presented it is apparent that
der (1). (r) thme vears old. Ewes average a larger (1.1. .r thate years old. Ewes average a larger Whes are ix at three years of age, until after The an of service required of the ram in crease in. Ting of the ewes that produce lamhs.


## Canada and the St. Louis Tair

## is now definitely settled that there will be

 no national live-stock exhibit from Canada to St Louis. This means that the grant of one hun ernment will be, and has already been, withdrawn and those who intend to show will be left to nove still fresh in the memories of a grea many stockmen in Canada, the enthusiasm tha was shown at a meeting held in Guelph for th and arrange the grant from the Dominion Gov ernment, and strange as it may appear, some of those who were most enthusiastic in trying to ge this grant, after it had been given, were the firs Has it ever dawned upon these men, whom I be lieve are perfectly honest in their convictions, that we have been too hasty in this very impor tant matter? In my opinion most of the obstructions that stood in the way of Canadian have heen token up with the United States Gor ernment at Washington, not with Mr. F. I Coburn, Chief of the Live-stock Department of the st. Louis Exposition. True, the question of our is something that every true Canadian should re sent, and is a matter for Mr. Coburn und his stafl to adjust, which I have every reason to believe has been done.In conclusion, the case presents itself to me in
this way: What will Canadians lose this way: What will Canadians lose, and par
ticularly those who are interested in the produc tion of pure-bred live stock, by Canada not being well repre ented at St. Louis in the greatest all their industries ? As it renains now, ther will be a few straggling exhioitors find their wa exhibitions the world has yet seen. And is it fair to assume that these few men can fairly and adequately represent a country that is second $t$ only one other, namely, our motheriand, in the will be the outcome how many of will car what read the reports of the show handed down, and what will other nations think of us and the posi ton we occupy in this grand and noble work the present state of affairs, but dare I ask how many were present when the action was first take to dispense with this grant, and not show at St.
Louis, that have been regular exhibitors at forme International Exhibitions?
Would it not
are and have been preparing their stock for who or more to have had them present, and give
them an D. C. FLATT

## Live-stock Records

We have been asked to give a list of the pure Lred live-stock records now conducted in Canada. For horses they are the Canadian Clydesdale Dominion Shorthorn Herdbook, the Canadian Hereford Herdbook, and the Canadian Ayrshire Herdbook, of which Mr. Hy. Wade is Registrar also the Canadian Holstein-Friesian Herdbook, of swine the (eo. No. Clemons is Registrar. For cluding Berkshires, Yorkshires, Chester Whites Tamworths, Poland-Chinas, Duroc-Jerseys, and Fssex, for which Mr. Wade is also secretary. The
Holstein-Friesian Record is entirely independent ords named are also all Although the other rec character, the Registrar's salary and office room
are provided by the Provincial Government, that of Ontario, but he receives in addition a certain the rules and regulations laid down by the breed associations, he paying his office assistants. F'or Aberdeen-Angus, Calloway, Jersey and
iuernsey cattle and sheep, American records are patronized by Canadians
('oming to Quebec, however, there is what is rovince of Quebec," organized in Sentember 1895, and which conducts 19 sets of Provincial records for the following breeds: French-Canahorses: sheep: Leicester, Cotswold Shropshine Lin oln, Oxford: swine: Yorkshire Berkshire Chester, Tamworth, l'oland-China, Duroc Jerseys The association is divided into five sections, viz,
for French-Canadian horses, French-Canadian cat Te, Tolstein cattle, sheep and swine. Each sec and the association is governed by a meneral boar of management, composed of a president, two vice ors, who are the chairmen of the committeas of
manasement of the five sections. The omcers of
the association for the current year are as fol General Board of Management.- Honorary President, Mr. Robert Ness, Howick, P.Q.; President, Council: 1st Vicerneau, Member of Legislative Council; 1st Vice-president, Thos. Drysdale, North Norbert; General Secretary, Dr. J. A. Couture V.S., Quebec. Directors-M. M. J. C. Chapais, Assistant Dairy Commissioner, Ottawa; Joseph town: J. H. Lloyd, St. Lin Micharth George St. Bamahe.
For French-Canadian horses and cattle, animals to be eligible must trace to recorded inspected ancestry, and sheep and pigs to the flocks or in the English records. The registration fee is horses and cattle is 50 cents, and for sheep and pigs $2 \overline{\text { a }}$ cents.
exist now. exist now.
350 active med that this association has over Quebec City, is permanent secretary and registrar
receiving all fees as receiving all fees as salary. The French language is chiefly used in this rogistry. The annual In addition to those above mentioned, there is Studbook, of which Mr. James Mitchell, o Goderich, Ont., is Editor. The standard registry in this Record admits the progeny of ac
cepted Clydesdale sires crossed upon Shire mares and vice versa, and also provides for the admis sion of mares having a certain number of crosse of accepted sires.

Preparing Steers for Finishing on Grass While the practice would not be possible in the Provinces in which steers may be successfully finished for the export trade on the natural pas tures. In those counties where the rainfall is
sufficient to insure good pasturage during the sufficient to insure good pasturage during the early part of the summer, and where there is a
considerable proportion of rough land unfit for cultivation, there can be no question as to the
profitableness of this practice, and, indeed, in profitableness of this practice, and, indeed, in
some parts men have found it profitable to use some parts men have found it profitable to use cattle in this way. This has always been an economical way of producing beef, and with the
present scarcity of labor it is probable that there will be a considerable increase in the amount of laee so produced, as this method involves les in some parts is to decrease the amount of cultivated land, and use a very considerable amount of land as permanent pasture for grassing steers,
Many men are going into the business for the firs Many men are going into the business for the first
time, and to these a few words as to the winter feeding of steers for finishing on the grass may not come ainiss.
Given good pasture for finishing, the success or
failure of grass-feeding will depend on the winter iailure of grass-feeding will depend on the winter
feeding of the cattle. It is a very common complaint of those who have been used to stall-feeding and who attempt grass-feeding for the first time,
that their cattle go back when turned on the that their cattle go back when turned on the
grass, and never do so well as they should. This, grass, and never do so well as they should. This,
generally, is because they have not recognized that the feeding of cattle intended for grassing must be very different from that of those to be finished in
the stall. The stall-fed animal is finished on a the stall. The stall-fed animal is finished on a
ration containing a large proportion of concentrated food. The grass-fed one is finished on preparatory feeding in each case must lead up to the finishing conditions, so that there shall be no
sudden change in the finishing period; hence, it is sudden change in the finishing period; hence, it is
a great mistake to feed too large a proportion of a great mistake to feed too large a proportion of
dry concentrated food to cattle intended for the grass, and where this is done there is generally a
falling off and unsatisfactory progress when they are turned on the pasture.
In feeding cattle for grass-finishing, we should period. Grass is a very bulky food, and to do well on it the animal must consume a large quantity; hence, the winter food must be such as will encourage a The concentrated-bulky as well as of place. Clover hay, corn silage and roots will form the chief articles of diet, supplying a rich yet bulky food. Good straw may be fed in the
beginning of the winter to some extent, but we do not favor the practice of forcing it on our
cattle. They will eat and relish a certain amount, even when they get plenty of other food but beyond this amount we do not believe it wise digest to waste the digestive energies of our catquantities of silage or roots, or both, as will keep our cattle in good thrifty condition, they will gain in flesh very satisfactorily, and go on the grass in shape to go ahead. It is a good
thing to feed some meal also, being careful to
feed very moderately-say a pound per day to
start with, and finishing with not inore than four start with, and f
Our steers at present are getting about 14 lbs , clover hay, 20 lbs . corn silage, and 30 lbs . turnips per day, with about 1 lb . of mixed meal and what be gradually increased to 4 lbs... and meal will and turnips will also be increased. When they ane on the grass, about the 10 th or 15 th of May, they will still get their meal, mixed with chaff, but as the grass matures they will lose their taste
for the meal, and finally refuse it will depend on the natural pastures, Then they been fed on bulky food throughi the winter, will be in shape to make the best use of the grass. Grass-fatting is very satisfactory where propthrough the winter

## FARM.

## dice on Turnips.

Aemedy for lice on turnips writes that he has a appear he takes a sharp hoe and cuts the tops off the crop. In a few days they leaf out again, ap-
parently uninterrupted in their growth. Knowing the nature of plant lice, it is hardly credible that so short a check to their development would affect them seriously. While the plan case, the good ase, the good effects may have been due to some
other influence-the weather, for instance course, if the tops were drawn off and fed to stock or piled to rot, the 1ice would be almost entirely clestroyed. One thing is certain, that the appliation of insecticides can scarcely do much harm of the leaves.


Some of the Sheep Exhibitors at the Western Fair, London, 1903.

The Sparrow Pest.
o the Editor "Farmer's Advocate":
Sir , If you permit me to use a little space in experience with the English sparrows. Years ag we were richly blessed with numerous singing birds, as well as swallows, which came every year and made nests, laying and hatching their eggs in the trees surrounding our dwelling ; but later on tacking the other birds in swarms, the conse quence being that the birds were gradually driven away, and last season we were practically without any birds, excepting the fighting sparrows, taking place. A few weeks aro I observed a small gray bird in the barn, resembling an owl. This fellow $I$ believe, went for the sparrows, and the consequence was they fied for dear life, and almost completely left the place. Now, if this pest, which try of ats useful and pleasurable birds, could be driven out or destroyed by such a simple way as to keep a little screech-owl, would it not be well to provide some way to breed a sufficient number among the farmers, as well as in towns? I know no better medium through which to bring this very important subject before the farming public than the "Farmer's Advocate." BETTSCHEN.
Waterloo Co., Ont.

## Training a Hedge.

In your January 14th number, H. H., Grey Co. asks what he had better do with his hedge, and you practically advised him to dig it up, or to cut it to
four feet in height. Now, no hedge will ever be that way. You will Now, no hedge will ever be made that way. You will have a row of bushes, but the
thick part will be at the top, which should be at the bottom. Now, let H. H. take one-half of his hedge, or as much of it as he likes, for that matter, and cut it down so close to the ground as only to leave two
branches or buds (if the plants are small), and keep the center from growing up in a single shoot. You must get the bottom thick first, or you will not have a properly formed hedge. If you want you hedge to be four feet high, then you want it to be one and a hall feet through, and so thick with branches that a robin
can not fly through it. Keep it at this broader procan not đy through it. Keep it at this broader pr
portion. If five feet high, let it grow broader. Just try it for five years, and you will have a hedge that
you will be proud of. you will be proud of
Bruce $C o$

## Applying Farmyard Manure.

According to James McFadyean, an experiment
conducted at the Ottawa Experiment Farm, and covering a period of years, indicated that an equal weight of fresh stable manure and of well rotted manure were of practically the same value tically the same results principal crops. Practained at that station. Mr. McFadyean says : wastes to any extent when believe that manure Unless there is considerable fermentation, there will be very little of the valuable elements escape by evaporation. I do not recommend too heavy an application at one time. We seek to have it
divided, so that it will cover all the land every er all the, land every
second year, if possecond year, if pos-
sible. If the manure is reasonably short, so that we may have it incorporated into the
surface soil with the disk or wit harrow, cultivator or gang plow in the spring, ay $\mathrm{n}^{\circ} \mathrm{d}$ to about the sa a in e
depth as we wish to
sow our grain its depth as we wish to
sow our grain, its
indirect value to the growing crop is
greatest. Farmyard greatest. Farmyard manure is the most plant fuod avail able, and it has indirect results that no commercial fer-
tilizer can give, be cause it adds to the soil so much vegemuch humer, so which all clay and ly are greatly benefited, though not as plant food. But whenever there is a table matter vereThen let us have this heat formed in the soil heap the growing plants may derive some benefit from it, and the soil will be made more mellow, crumbly and porous, because of the heat and moisture.
[Prairie Farmer.

## Preparing Seed.

In writing us with regard to seed selection and seeding, H. M. Weeks, Middlesex Co., says : light grain. We would prefer to sow only arg ala kernels, but do not practice this method. The $\begin{array}{ll}\text { larger } & \text { seed naturally gives the plant a better } \\ \text { start. } & \text { We do not think the degree of fertility of }\end{array}$ the soil has any not think the degree of fertility of seed, and would not change seed from one locality to another unless there were an apparent improvement in the seed so secured. When sowing we set the drill according to the amount we desire to sow, making no allowance for the size of the cast. We seldom have smut, and never treat seed
to prevent it.

Delighted with the Weekly.
Enclosed please find postal note for $\$ 1.50$. Wo are delighted with the "Advocate "as a weekly.


Delegates from all parts of the Province of Ontario assembled in the city Harl, in the annual convention of the Canadian Association of Fairs and Exhiliti uns.
The President, J. F. Murphy, of Simcoe, in his annual address, stated that the improvement in many
of our fairs, and their greater uniformity, was largely due to the efforts of this organization. The school children's day, and the system of expert judges of stock and fruit, tend to popularize tb the people want. This is proved by the increased fair cess of those exhibitions which devote considerable at tention to educative features. Mr. Murphy expressed the regret of the Association at the loss to them of
their secretary, Mr. Creelman, but also congratulated their secretary, Mr. Creelman, but also congratulated
the retiring secretary upon his appointmient of uresident of the Ontario Agricultural College, and predicted for Mr. Cowan, the newly-appointed secretary of th
Association, a successful incumbency of the position. Superintendent Creelman, in his annual address pointed out that the intention of the Act under which
fairs existed was to make them purely educational and to foster the work of improvement in all classes of agricultural products. The natural channel through which this effort was directed was the agricultural fair In connection with the improvement of these fairs, he
suggested furnishing better show-riugs, with stands suggested furnishing better show-rings, with stand
from which the judges of stock or other exhibits could explain the reasons of their placings ; the elimination of the class for general-purpose horses; the providing of a tent or building for ladies' exhibits; the develop-
ment of the children's day idea ; the expansion of the ment of the children's day idea; the expansion of the
sphere of the experimental plots; the circulation programmes of the events; and the building of several small buildings in the place of one large one.

Mr. McNeill IN DISCUSSION
rem that features that be eliminated ; labels for exhibits and programmes should

Mr. Kydd, Simcoe, claimed that judging is not be gun soon enough. Sometimes the first-prize animal is put into a wagon before the second prize is awarded,
Superintendents of each class should see that the entry Superintendents of each class should see that the entry
number is posted. Road and carriage classes of horses should be separated. An effort should be made to divide the prize money betweeen several exhibitors Some shows prohibit one owner exhibiting more than
one entry in each class. one entry in each class. Between the heavy carriage the agricultural class. Rules should not specify what weight draft horses shall be or what height carriage horses shall be, when ouly one section of the class is
on exhibition. There should be no rule calling for on exhibition.
or awards, but claims be careful how he gave reasons can give his decision and look wise. Boys' judging competitions should be encouraged. A board of lady
directors should be in control of their exhibit. Exdirectors should be in control of their exhibit. Ex-
hibitors shouid not be allowed to take more than one
prize in a section.
A Lennox County delogate adwised shorter time in
which to hold the fair, and fuwer prizes. licton has
Hon. John Dryden said it was a matter of regret
that the public did not heartily support the agricul
tural societies in the different mundcipalities, but con-
gratulated the fair board on an increasing interest in
gratulated the fair board on an increasing interest in
the affairs of these institutions. The nature of the
the best work of this Association. An improvemen
ond the amalgamation
air boards should be to intelest all classes of citizens.
as clean an exhibition as it is possible to ohtuin. The
faker element came in for severe critichm. Mr. I)ryden
s endeavoring
hese features
management wants the grounds, whether or win th
little more moral fiber in our young pecoplo, nence
tainment. It is a costly practice to rish th.........
sense of our young people for the paltry sum ot,tath.
from these indecent entertainers. Mr. Dryden's
nents were very heartily endorsed by all the delogal,
Prof. Day's address. These con
ocated as the only educationa not advocated as the only educational
an one of them they are invaluable
ont of stock enteavored to produce aryers
and the great problem is to develop a well established understanding of interest between producer and butcher
The apathy of the public to the importance of studyin this problem through the instrumentality of the fair is often most discouraging, consequently we must de
velop an interest in the boys. Matured men become conservative, but the young peoplo can be interosted sufficiently to induce them to establish higher ideals To this end the stock-judging contest awakens interest, eventually resulting in an ambition to obtain better stock. Too often, an inspection of good stock is dis couraging to young men, who may the judging contes starts farther back, and develops conceit in the boys. so depp-seated that it inspires ambition, resulting in the ultimate breeding of good stock. When once young
men obtain recognition as good judges, the next step men obtain recognition as good judges, the next ste is to purchase good stock. Small fairs, as a rule, ape hibitions, because they assume a greater relative im portance. At a small fair, every one is sure to know
of the contest, and in time it would develop as of the contest, and in time it would develop as much
interest as the regular horse-race, and possibly lead interest as the regular horse-race, and possibly fead might the good accomplished not warrant pil
The contest should, first of all, be given a prominent place in the ground. a good man on the board should
have control of it, and should undertake to make it have control of it, and should undertake to make it
a success. The rules of the fair should compel exhibitors to furnish stock for the contest, for the refusal of the request for stock has killed more contests than any other circumstance. The time of the contest should be fixed, and adherento.

$$
\begin{aligned}
& \text { cumstance, interiere with and if anything is oo be sacrificed, tet } \\
& \text { of live stock and } \\
& \text { it be something else. Each fair board might decien }
\end{aligned}
$$ it be something else. Each fair board mil classes of stock or only on such classes as are prominent in the classes and have them well handled. Where possible classes and have classes of each breed being judged. T

have two
system of marking recommended is to furnish blanks placing, and corresponding blanks for writing reasons Just what proportion of marks should be given fo
placing and for reasons is hard to decide. In the Professor's opinion, seventy marks should be given for placing and thirty for reasons. In all cases, large
classes should be given, five animals at least. The judge or committee of judges should, in placing the animals, also allot the number of marks to be given correctly, and then fix an arbitrary valuation for placing and variation from the correct placing. In this way, some mistakes in placing may be cut ten marks, r, in other cases,
o the judge's placing
Hon. J. Drycen : If there is any one thing this judging ontest will do it is to establish a uniform idcal of type, and this is invaluable. It will also emphasize the importance of utility of standard in pure-bred stock. Several of the expert judges endorsed the system of
marking advocated by Prof. Day. Mr. John Gardhouse pointed out that the contests were a very strong
connecting link between the breeder and general farmer, for it leads to a desire among all farmers to produce
better stock. Mr. J. E. Breth.our emphasized the danger of undertaking too many classes. He also sugfairs with the marking blanks. Mr. Jefis showed that many men were able to identify good animals, but lacked the power of expressing their reasons, hence the importance of Professor Day's system of marking. Rev. Mr. C. B. Clarke, of Russell Co., championed the
cause of the despised classes of roots and grains. Expert judges, he claimed, were the most useful innova-
ion at recent fairs. In eastern counties, the com , wetitions between the county fairs had been conducive of nuch improvement. Next year, the award for the
h...st county fair will be a $\$ 1,000$ cement office for the Whir Fmallfield, of Renfrew, said four years ago W...re not foumty was practically dead, but its obsequies nisal the himld, and the assistance of Mr. Creelman was - In the local papers was instituted. Large posters with the leading sentence, "Are you going
$. \quad 10,(00)$ to visit Renfrew Fair this vear?" ... F. Fair stationery was also sold. An Fair stationery was also sold. An
An in
theng of the fair. Keep the fair before
year one educational feature each (1)... Year One educational feature each nell!

Mr. W. McElroy, of Carloton County, told of the revolution carried out at his county fair. Special
features were a model kitchen, athletic sports, milking contests, sheep-shearing demonstrations, etc. Mr. J. Farrel, Lambton Co., belleved in giving a
director some special work to do, and holding him Mr. Kydd, Simcoe: Fair boards should waken up
the fact that the day of exhibiting any but o the fact that the day of exhibiting any but pure-
bred sires are past.
Dr. Bell, of the Industrial Fair Board, read a paper on keeping fair books, in which he insisted upon entry
lees being paid in advance ${ }_{n}$ and also advocated better methods of identifying the owners of the diferent exhibits.

The yal Experimental plote
The value of experimental plots at fairs was d
cussed by Professor Zavitz, Experimentalist of Agricultural College. The importance of the farm rops of Ontario is well illustrated by the increase in value of these crops during the past two years from values show the importance of fostering this branch he agricultural industry. The innovation of experinental plots upon fair grounds was calculated to answer, in a limited degree, this purpose. A crop that ost excellent plant for mixing with corn for ensilage plan of arranging a set of plots was illustrated by idea of maintaining these plots.
Professor C. CNTERTAINMFNT. James, in his address, raised the question, "Should the farning $\begin{aligned} & \text { community be anter- } \\ & \text { tained or instructed at the fairs ?" For years, fairs }\end{aligned}$ ad been managed with the primary object of getting crowd and giving questionable amusement. That
there is a demand for recreation ts very evident, but Chat the fair boards should furnish it, is a doubtful hypothesis. No doubt, the Ontario farmer as a class his recreation at diferent intervals during the year ment of fairs, special attention should be given to the encouragement of the particular ctass of farming fotlowed in any particular locality, and a stereotyped
system of awarding prizes or of managing fairs should he avoided. Wherever possible, the board should conine the fair exhibits to the municipality to which the Government grant has been made. Fair officials were cautioned not to attach undue importance to large
membership or large crowds at the rair, but rather to he development of educative features. Mr. James' address aroused considerable discussion as to whether
the professional prizetaker should be excluded. The ladies seemed to be the chief offenders in this respred POULTRY AT FAIRS. shows the first thing that should be done for the poultry* industry is to furnish clean, light sheds for housing the exhibits. The industry is deserving of it. seven and eight million dollars. In looking over most of our prize lists, it is noticeable that they are nearly all exactly alike, and no improvement upon those of fifty years ago. What we want at our fairs is the encrizagement might be civen for the best six chickens fattened. alive : also, for the best basket of eggs. Judging
thould be done early in the day, and the judge retained oo give talks to the spectators in the afternoons. jure has been of late a noticeable tendency among out of town. Plans of modern poultry-houses might ates and pressing boards also might be on exhibition and the value of the latter explained.
FAIR INSURANCE AND AMALGAMATION. he Association, gave the delegates some of the schemes he had in mind for the improvement of the fairs. Those which were not already up to the modern standrd would be brought into line, and an effort would circuits, so that the advertising and printing in into ection with each fair could be done more cheaply by being done jointly. He also had in mind a scheme of insurance against unfavorable weather, a circumstance hat often upsets the best-laid plans
W. A. Mackinnon, Chief of the Fruit Division tawa, laid before the convention methods by which the
fairs could make their exhibits more instructive and valuablic. The exhititing of fruit, or any other prodand had now become a purely business proposition, thing that would be of value to them. To begin at the beginning, methods of growing, spraying and grading
mikht be expluined. The prize list should discriminate painst inferior varieties. There is no reason in giving buthoritios The classification should discriminate between export
thal domestic varieties. ronsist of packages as well as of plates. Classes
tuight be made for the best decorated dining-room table of iruit, and demonstrations might be given on this
sulbject, and also on decorating windows. For the
orchards. Amateurs' classes were suggested as dis tinct from commercial growers' exhibits. whole-souled manner in which they hatian for the o make the Fairs Association a power for good in the gricultural world.
W. The offcers for the onsuing year are: President Shepperd, Cayuga; 2nd Vice-president, Jas. Mitchell Goderich; Recording Secretary, Alex. McFarlane, Otterville. Directors: J. T. Murphy, Simcoe; Rev. C.
B. Clarke, Russell ; W. E. Smallfeld, Renfrew ; E. Jeffis, Bond Head; Allan Gray, Uxbridge; Chas
Walker, Erin; R. R. Hall, Pray Halker, Erin; R. R. Hall, Parry Sound ;
H. B. Cowan, Toronto.

## Fresh Mamure Applied Direct.

from the stable, especially box stalls, and spread on the land as drawn. It saves time and expense, as the spreading from heaps, when dumped
in loads, make about same work in spreading and is not so evenly done, besides, should heaps ireeze, it is often difficult to spread.
It is not often we have
Io hinder not often we have enough snow in Kent not too undulating, there is not much waste from washing or heavy rains; there is too much fron to pile in heaps, and expensive labor 1
it does not destroy all noxious weeds. does not destroy all noxious weeds. rust when returned to the land.
Fermentation does the land. weeds, especially mustard or charlock. We apply manure for corn and beans, by plow ing down on pasture or meadow sod, when the We have never used commercial fertilizers, always tried to make all the manure we could on
the farm. Regard commercial fertilizers too ex pensive for farmers' general use
In Kent we have
In Kent we have generally plenty of straw and
fodder, which sometimes cannot land till late; that is better to be piled on the can be done.

Hired Help Problem
$\qquad$ thirty years ago. I am a subscriber now, and I thinh
the 'Advocate' holds the first place among agricultural papers. I believe you are ever ready to help the farm-
er. Perhaps there never was a time when the farmer stood more in need of helpfui suggestions than a present, when hired help is so scarce and wages high
Can you give us some hints from time to time, in ad
dition to those cate, to show how one man oon a farm of 150 acre-
may, without overworking himself, make a comfortable may, without overworking himself, make a comfortable
living without hiring. What line or lines of farming can be carried on, several miles from town, that wit
help him to do this? What are the best methods o farming to accomplish this purpose? Perhaps some practical farmers among your many subscribers may be
able to give something, such as Mr. John Campbell's able to give something, such as Mr. John Campbell's
article on page 124 of your January 28th issue, en titled, 'The Sheep Industry in Ontario
The hired help problem in serious, and never mores so than atways more or less
Strikes and time. Strikes and other troubles between employers and em-
ployees are, always more prevalent when wages are high and now, in addition to the extra wages to be paid
by farmers, there is the increased difficulty of by farmers, there is the increased difficulty of
getting along with some hired men. Still, on the
wnole, it is more than doubtful whether it is wise for a farmer to try it alone. We know of farmers who
have figured on it, have figured on it, and they have always come to the
conclusion that it would be less profitable than to hire. That it can be done there is no question. A smaller
area would have to be cropped, and a good deal more aid down to pasture. In the handling of some crops,
neighbors could change work, as, indeed, owing to the almost impossibility of getting men, many had to do last summer. The main dependence, especially if far from town, would have to be on live stock. In addi-
tion to the hints contained in Mr. Campbell's article on "' Fattening Lambs," we suggest the following
possibles. Keep, say, ten factory cows. One man could easily attend that number. Have a full complement of hogs, so that the income from them would
equal that from the cows. For the hogs, grow some and
enough crop to winter everything over well. The extria
pasture land could pasture land could be made use of by taking cattle in
to graze. another plan, involving less labor, would be to graze. another plan, involving less labor, would be
to buy good steers in the fall, pasture until winter, then, by wintering over on hay principally, with
little grain added, which would not require much labe if they were dehorned and kept in loose boxes or comfortable sheds, and putting on grass in the spring, they
should be fit for export in July or August. A certain should be fit for export in July or August. A certain a more risky business than the other, and calls for who makes a specialty of hog-raising. Nearly all he grows is fed to hogs, and he is doing well. A
variation or combination of above might be more suitvariation or combination of above might be more suit-
able than either.

## An English Agricultural College

 Knowing that the Canadian farmer is inter brief description of visit to the following tural colleges there may be appreciatedthe lesser of College, Sussex, Eng., is one of are scattered throughout England, but, neverthe less, well deserves a visit. Nestling among the grassy uplands of the Sussex Downs, this college combine natural beauty with one who desires to culture. Five minutes' walk from the village brings the visitor to the college precints. At once he is struck with the neat arrangement of the shrubs and evergreens which surround the gravel
walk to the college. A tour through the various ecture-rooins and carpentry shop brings him into size, is amply qualified, which, though small in plays in the course of study.
The farm itself is situated
The farm itself is situated about one mile from the college, and consists of 110 acres of arable
land. Our first objective was the orchard and


## Recommended to Students.

I wish to congratulate you upon the rapid strides which the Farmvery much interested in the proposed change from a semi-monthly to a weekly, and I must say that the weekly is an excellent paper. In fact, I regard the Farmer's Advocate as being one of the very best papers which come to my office out of more than seventy agricultural papers. It is one of the papers I recommend for our students to read and to subscribe for. Personally, I could not get arong without it. Chere are three or four papers which I think very highly of : The Farmer's Advocate, English Live-stock Journal, Scotbish Farmer, and two or three of our best American papers. Your paper is certainly one of the very best of those mentioned. Wishing
W. J. KENNEDY.

## Jan. 30th, 1904.

EDITOR'S NOTE - Prof. Kennedy is a son Clanade, who has forged to the front in essor of Animal Husbandry and Vice-Director of the Iowa State College of Agricultare and Experiment 8tation.

egetable garden, which is some 15 acres in ex tent. The land is divided up into plots, with
gravel walks between. Apple, plum and pear rees abound, all of which give a fair yield durin the season. The bush fruits are represented by ety of the latter not ripening until November. In one corner of the orchard is a tall wire arch, up which is twining apple trees. This is to show to the Sussex farmers what can be done certainly a feature well worthy of imitation. The apple trees are pruned three times a year-twice for wood and once for fruit, when the leaves are here, and from results obtained clearly shows that it is absolutely necessary for the development a crop. As we were leaving the orchard we entered a little frame house where the apples are stored, and were at once impressed by the size, pear trees do not bear very well, owing no doubt to the nature of the soil, which is a heavy clay As our time was limited, we were unable do more than rush through the stables, where we saw some 12 head of Jerseys and a flock of South-
down sheep. We also noticed about forty of steers, which were being fattened for the Smithfield market. This line of farming is, however, not at all popular in this country, owing to not permit the farmer to clear expenses

Poultry farming seems to be the great industry n Sussex, as much as 40 tons of dressed poultry he small opulation of 4,000
As we walked to the Uckfield mirbla oncluded that our aternoon had beet ation profitably spent, and trust that we may yet again among the beautiful scenery which the Sussex

## Fresh vs. Rotted Manure.

First.-Arrange your stables so that the manure can be loaded on sleighs or wagons, and taken directly to the field. Why? One handling is all that is required. Second- -I would apply the manure directly to the sides, where the hollows. In such cases, put it in small con piles, small as soon as the greater part of the snow is gone It is well to get it out before all the snow is we are not usually so busy at that season. fairly level I would spread direct from the wago sleigh, until the snow gets over one foot deep, then put in small, convenient piles for spreading as soon as summer, when the crops are on the land should be kept under cover, and in such a compact way that heating will take place.

The following is taken from Prof. Shutt's report This experiment consisted in taking two lots of fresh manure, equal in weight and alike in composition, and an open wooden bin, with a practically water-tigh floor ; both lots being weighed and analyzed month by month for the period of one year (see report of Experimental Farm for full report). A few figures are here given that will enable the farmer to come to some clusions as to the best plan for him to adopt. resh and rotted manures :

FRESH, IN PROTECTED SHED.
April, original fresh, $8,000 \mathrm{lbs}$; total value of
fertilizing constituents May, one month after, same manure weighed $5,006 \mathrm{lbs}$; total value of fertilizing conune, manure weighed 3,451 lbs. ; no analys......................................................... uly, manure weighed $2,980 \mathrm{lbs}$; total value of pril, one year, same manure weighed $2,185 \mathrm{lbs}$.; total value of fertilizing constituents ${ }^{2}$ Note the great loss in weight of ........... 9.0 ary for the improvement of the soil, also the loss of time in drawing and turn-

## MANURE IN EXPOSED BIN

April, original fresh weighed 8,000 lbs.; total
value of fertilizing constituents ................ $\$ 10.43$ May, one month after, samee manure wi.............
5,118 lbs. ; total value of fertilizing con-
stituents ................................................................. 7.59
June, manure weighed 4,124 lbs.; no analysis..
July, manure weighed $3,303 \mathrm{lbs}$; total value
of fertilizing constituents ...............................
April, one year, same manure welghed 3,838 lbs. pril, one year, same manure weighed $\mathbf{3 , 8 3 8}$ libs.
total value of ertilizing total value of fertilizing constituents ............ 6.65 Results obtained this inestict First.-That there is a greater loss of nitrogen and organic matter from the exposed manure than from nitrogentected. The former lost one-third of its more organic matter was destroyed in the Ten per cent in the protected manure.
Second.-That there is practically no loss of potash and phosphoric acid from protected manure. Third.-That the exposed rotted manure lost about than one-third of its potash.
Fourth.-The chief changes, due to fermentation, take place within the first month of rotting.
In the annual report of the Experimental Farms, which were carried on with the object of gaining information regarding the effects which follow the application of certain fertilizers and combination of fertilizer on important farm crops. The particulars there given corn, carrots, mangels, turnips and sugar beets. Results are here given only for manure well rotte and fresh, direct from the stables, half horse and half cow manure, ifteen tons per acre
Wheat, average for ton years' plot, rotted manure
20 bushels per acre : straw, 3.544 pounds.
20 bushels per acre; straw, 3.544 pounds.
Wheat, average for ten years' plot, green manure
20 bushels per acre; straw, 3,598 pounds. Oats, average for ten years plot, rotted manure
48 bushels 14 pounds per acre: straw, $\mathbf{3 , 2 3 6}$ pounds.

Oats, average for ten years' plot, 'green manure,
54 bushels 19 pounds per acre ; straw, 3,462 pounds. Barley, average for ten years' plot, rotted manure 04 bushels 94 pounds per acre; straw, 3,054 pounds.
Barley, average for ten years' plot, green manur 35 bushels 21 pounds per acre; straw, 3,280 pounds. Corn, average for ten yeers' plot, ten tons per acre, rotted manure, 16 tons 2.99 pounds per acre. Corn, average for ten years plot, ten tons per act
green manure, 17 tons 10.86 pounds per acre. Carrots, average for eight years' plot, rotted manure, 19 tons 7.58 pounds per acre.

Carrots, average for eight years' plot, gree
manure, 20 tons 9.80 pounds per acre
Mangels, average for ten $y$
24 tons 5.40 pounds per acre.
ITangels, average for ten
21 tons 9.10 pounds per acre.
Turnips, average for ten ereat, green manure 17 tons 6.60 pounds per acre.
15 Tons 14.88 pounds per acre
Note the same weight of manure is used on each plot. Therefore, by rotting the manure the farmer is losing very heavily by: first, extra expense, drawing and turning the manure to heat, second, loss in weight of vegetable matter ; third, the yield per acr been applied. Many farmers in giving their experience state that they have-learned from results obtained in this way: They have had a large pile of well-rotted manure, but not quite enough to do a whole field The balance of their held was cotter crop the firs year from the rotted manure, having put on double the quantity of rotted manure, by weight, but, had they observed closely, they would likely have observed th green manure plot and
crop. Regarding propagating rust, 1-would say when
rusted straw is returned to the land, and a regular system of rotation is followed, say three or four years. system of rotation grain does not follow grain, so that by the tim
disappeared
Fermenting the manure does not always destroy the weed seeds, but destroys about half of the manur Manure should be applied to hoed crops only. For shallow, just long enough before planting to give time to work the soil sufficiently for the seed. By no plowing too early the grass or clover will ge a strong growth in the spring, and, while decaying force the corn
the same way
For carrots, mangels and sugar beets or potatoes apply manure in the autumn. Have your land worked up deep before applying the manure, then plow it unde shallow, or rib the land up until the following spring If your straw for bedding has all been cut shor, may be cultivated in and afterwards ribbed.
Commercial fertilizers, undoubtedly, are useful to
many soils, but I would advise all farmers before purmany soils, but I would advise all farmers before pur chasing to, apply all barnyard manure possme,
also to sow clover with every grain crop sown, except ing peas.

> ing peas. Central

## Sugar-beet Growing.

Successful sugar-beet meetings have been held a Lucan, Exeter, Brucefield, Londesborough, Blyth, etc. attended by enthusiastic farmers, and adaressed factory. No less than three hundred attended th Exeter meeting, one half of whom signified their inten tion to grow sugar beets this year. A large number
of acres were contracted at each meeting for Berlin Other sugar-beet meetings, held as far east as Whitby
and as far north as Thornton and Lefroy, were equall and as far north as Thornton and Lefroy, were equally
successful. Daily, local canvassers at the above are gathering in contracts for the Berlin factory. Mr. D. French, Manager of the Industrial Home Clinton, who grew two acres in 1903, and has seven
acres prepared for 1904, says: "If I stay here, I wil soos prep for the Industrial Farm out of sugar beets. While practically every farmer within driving dis
tance of Berlin will grow sugar beets for the Berli tance of Berlin will grow sugar ell firections from Berlin to a distance of fully one hundred miles. The entire supply of pulp has been teamed or shipped away as a stock food. Mr. John A. Thom son, Thornton, writes: "I am much pleased with the
carload of pulp." It is the best succulent stock foo carload of pulp." It is the best succutent suck lots at less cost than the cost of the production turnips. John Duff, near Myrtle, Ontario County, planth $t$ wo acres in beets, following barley, and to His beets averaged 15.8 per cent. of sugar, returns were $\$ 205.32$, less $\$ 46.70$ for freight and $\$ 4.5$ for seed. There was a space of twenty-seven inches
tween the rows, and the beets were about eight inches tween the rows, and the beets were about eight inches
apart. Mr. Duff thinks the season was particularly apart. Mr. Duff thinks the season was parting might favorable for good results from wide planting, but migh
not have had as good returns in an average season not have had as good returns in an average season
with Hants so far apart. He cultivated ten times.
He does mot think there is any crop which would give

## Huron County Barn.

Having noticed in the '/ Farmer's Advocate" January 21 st, an inquiry for a stable plan, $36 \times 64^{\prime} \mathrm{ft}$., I submit to you the above plan, which would, perhaps, meet with the approval of your subscriber. It is, made to capable of many changes, which courd be be placed under the approach to the barn floor, and a short row of cattle stalls put in to face the other



BARN PLAN
with the mangers against the passage in front of the
horses. The two doors from the cow stalls into the box stall are meant to close the two passages from the hurse stable into the feed-room, when they are opene
to let cattle in or out. The box stall for the hors stalle is made shorter, to allow more room for hay to be but down from the hay mow above. Also, more
windows could be put in. There would be four doors "ith fanlights over each, besides three windows in the

The Status of Agriculture

Vox Populi.
ant.-We are very pleased with Northumberland cate " as a weekly.
G. E. Schmidt, Waterloo Co., Ont.-Please find nclosed order for renewal of "Farmer's Advofor 1904. It has no equal.

Mr. Charles Parker, P.E.I., says.-I am glad you have changed to a weekly, and consider your nagazine th
you success.

Samuel Lyons, " Ryng Lodge Stock Farm,' Haldimand Co, Ont.-We just think the "Farmer's Advocate " is THE WHOLE THING since it comes weekly.
new subscribers.

Mr. Chas. A. Frazer, Que.-It is with great interest that I read your valuable paper. I hope you may have a very successful year, and that
the farmers will appreciate the benefit of a good agricultural paper.

Mr. R. Mooney, Simcoe Co., Ont.-Please accept my thanks for the knife I received from you.
It is an A1 knife, and your " Farmer's Advo cate " is the best paper that is going amongst the farming community to-day. I am highly

Mr. J. Clarence, Kellough Lanark Co.-I received my knife on the 16 th instant, and I am
very well pleased with it, and I find it exactly as very well aleased with it, and I find it exactly as
advertised. The two new subscribers which I got advertised. The two new subscribers which I glot
are both well pleased with your paper, and con-
sider it the best farm paper printed. work, for some more new subscribers and try for another premium.

BEST IN THE WORLD
Messrs. Shannon Rros., Cloverdale, B. C. - We
re glad to see you issuing a weekly paper. You are glad to see you issuing a weekly paper. You

## TOO GOOD TO STOP

Mr . Wellington Shier, Ontario Co., says.-
think I have been taking the ". Farmer's Advo cate " since the year 1870 without a recess. Id thought I would take a rest. If the paper was
going to be printed weekly it would not have going to be printed weekly it would not have
news enough to be any good. As I have got too weeklies now, I am so well pleased I will renew,
with one new subscriber with one new subscriber.

THE FARMERS' WEEKLY

1. E. Rand, King's Co., Nova Scotia.-I have been a subscriber for several years, as you know. up, and take some other paper, but it suits it up, and take some other paper, but it suits me
all right. I think the new departure, making it a weekly, will add to its value for us as farmers. The time has come for us to enjoy our weekly paper as well as other professions

Produce Transportation.
The London and South-western Railway Co. is a pamphlet giving particulars of its rates for the conveyance of farm and dairy produce, etc., by both passenger and goods trains. An important mileage basis and applicable by passenger on a ${ }^{\text {a }}$ which have been compiled with the object of bringing the producer and consumer into closer touch, and affording facilities for the rapid transit
of all kinds of dairy produce fruit, and other perishable traffic, thus enabling the producer to secure a wider market for his produce, and the consumer to have it delivered direct with promptitude and at a reasonable and inclusive harge. A hamper weighing 24 lbs., and containing cream, eggs, poultry, meat, fruit, vege-
tables, etc., is carried a distance of 100 miles for 9 d . and delivered free, representing a little over dd. per lb, whilst for the rail conveyance of one the charge is 2 s . 2 d ., or for a similar distance the rates for large consignments of all kinds of produce being fixed on a still lower basis. It is pointed out that senders desiring advice as to the method of aggregating their consignments will be able to obtain every assistance from the company's officers. To obtain the benefit of the lower rates the requisite weight may be made up of different kinds of traffic. Thus, if a consign-
inent of three tons consists of one ton of fresh meat, one ton of butter, and one ton of apples, each description is aharged one-third of the specia
three-ton rate, and not at the rate for oneton
lots.-[Meat Trade Journal.
$\qquad$
$\qquad$

## DAIRY.

## Dairymen Meet

meeting of the directors of the Western Dairy Association was held in Stratford on Saturday for organization of work for the season. There were present J. N. Paget, President, in the Chair; T. Ballantyne, Robt. Johnston, J. Brodie, . McQuaker, J. Bothwell, I. W. Steinhoff, Alex McLaren, M.P., W. K. MacLeod, and Geo. H. Barr, Chief Dairy Inspector
It is the intention to continue the scheme inaugurated last season of placing cheese factories and crear in groups of from 20 to 30 , in harge of each instrictor. Mr. Marr has this work specially under his care, and he reports that eason than last. Both makers fackes this rs are fast recognizing the great value of viaits from the instruct the great value ond his system be continued. A strong twibute to he good results of this system strong tribute to the good results of this system of instraction was
paid by Mr. R. M. Ballantyne, of Montral, the udge of cheese at the Winter Dairy Convention when he said that he had never before seen such a large exhibit of cheese so uniform in quality. newly-appointed Railway Commission, of unequal and excessive transportation rates, was discussed and it was strongly urged that such should be one. The Executive Committee was instructed o take the matter up at once and secure from hippers an an facts set before the commission. Grants were made to the Industrial Fair Asso
ciation and Western Fair, to aid these associations ciation and Western Fair, to aid these associations
in making prizes for dairy products at their exbir Bard would greatly improt the accommodation for thie showing of cheese and butter. In Middlesex alone in 1902 (the last year reported) there was $60,000,000$ libs. of milk made cries. In Ontario there were $1,537,532,591$ lhs milk used for cheese, making $146,805,776 \mathrm{lbs}$ cheese, and $11,082,078 \mathrm{lbs}$. butter manufactured in creameries. The ever-increasing importance this industry ais for some forward inovement The Executive Comm ion work was attended to, and it is expected th the cheese and butter industries of Western On tario will continue to expand, and continue

## A Record Butter Test.

action is claimed to be a world's record in the pro breed is that of the Jersey heifer Tonona 9th, belong ing to Hood Farm, at Lowell, Mass. Her age at months 24 days. She milked as high as 40 lbs . 6 ozs. In a day, but she did not come up to 14 lbs.
butter in a week. Below will be found a table showing the amount of milk, per cent. of butter-fat and pounds of butter-fat. Daily average milk yield, 22 lbs. Daily average butter yield, 1 lb . $7 \frac{1}{2}$ ozs. Daily average grain rations, 6.e lbs. Estimated butter, 85 of feed, the following prices were charged the cost bran, $\$ 22$; corn meal, $\$ 22$; ground oats, $\$ 30$; oil meal, $\$ 28$; gluten feed, $\$ 26$; hay, $\$ 15$; sihage, $\$ 2$
and pasturage $\$ 3$ per month. Total cost of feed $\$ 62.60$. Product sold as 40 per cent. cream realized
over $\$ 250$. She recelved the same care as the mainder of the herd, and was pastured with the other young cows of the same age.
YEARLY AUTHENTICATEI BABCOCK BUTTER-FAT ESTIMATE OF HOOD YIELD OF TO Made by a representative of the Massachusetts Experi
ment Station, appointed by the American Jerse mont Station, appointed by the American Jersey
Cattle Club and under its rules.J

| Date. | lbs. ozs. |  | \% | lbs. |
| :---: | :---: | :---: | :---: | :---: |
| January, 1903, 16 days | 516 | 2 | 4.2 | 21.677 |
| February | 958 | 7 | 4.56 | 42.705 |
| March ... | 912 | 12 | 3.35 | 48.832 |
| April | 800 | 15 | E. 2 | 41.649 |
| May | 814 | 14 | 5.7 | 46.448 |
| June | 728 | 12 | 5.8 | 42.207 |
| July | 622 | 13 | 5.8 | 36.123 |
| August | 583 | x | E. 8 | 33.817 |
| September | 604 | 12 | 5.8 | 35.075 |
| October | 521 | $\times$ | 6.45 | 33.608 |
| November | 380 | 1 | 6.5.5 | 24.929 |
| December | 897 | 13 | 8.7 | 34.609 |
| January, 1904, 15 day | 192 | 5 | 8.7 | 16.731 |
| Totals | 088 | 12 | 0.05 | 458. |

Breeding Dairy Cows.
To the Editor "Farmer's Advocate":
Sir, -In your issue of Jan. 28th, I read an
article on "Beef cattle from dairy cows"" whinh article on "Beef cattle from dairy cows" which the statements made by the writer. 'To others take some exception. I agree with "D D," that ing a specialty of either beef or milk, and that far as dual-purpose stock is concerned the Short horn breed fill the bill the best of any breed. I we could only import from Great Britain a class of Shorthorns which are pure-bred, but no
registered in the herdbooks there nor

registration on this side the Atlantic, we would be able to secure dual-purpose stock of the right ist there in large numbers, and are the popular dairy stock in many parts of England. In this sires hev both sides of the line, intense beefing milking qualities of some of the earlier of the horns are bred out, to such an extent that we look upon the Shorthorn in this country as a beef breed. Some breeders protest that they have still perpetuated the milking qualities in their
herds. I believe most people are free to admit that real good milking pure-bred Shorthorns are quite rare in this country. If that be true, and I believe it is, how is the dairyman who is short of satisfactory help and has to pay for highShould he discard his to better his condition? Should he discard his good dairy herd and invest
in Shorthorns, getting, as is suggested by the writer, a fair yield of milk and good stockers, or would it not be better for him to select a good and mate with his dairy herd to produce his stockers ; then keep his best dairy cows to breed to a good dairy sire to get sufficient heifers to keep up the standard of milk flow? The steer knocked on the head sire vealed. I agree with . D," that raising dairy breed steers from dairy sires is a most unprofitable business, especially cor range cattle or the export trade. However, I have seen plenty of good cattle for the local of an Ayrshire sire on dairy stock. Holsteins, I believe by using a good Shorthorn bull
on the Ayrshire grades, and a good AberdeenAngus on the Holstein grades, very satisfactory result of just such crosses, and where they are grown as " baby beef " (which, by the way, is the
only profitable way to grow beef now for the armer who raises and finishes his own steers) hey are all right. I said use an Aberdeen-Angus on Holstein blood, for the simple reason that they will obliterate the white and black colors so much despised on some markets.
n Jersey stock, as here we about using beef sires tion. The stock to begin with are undersized, and they do not seem to cross with other breeds very satisfactorily. One cross for milk often ecommend the keeping of any of the heifers from the beef cross for milk; they should go along with the steers for baby beef, and will be worth just a.
much It seems to me that the dairyman had• better educe the number of his cows ir labor is the great gested rather than change the breed he has been sed to and made his money from. I should like , T. G. RAYNOR INote.-Mr. Raynor, author of the foregoing c., Ont., and a graduate of the O.A.C., who has been engaged this season on the Farmers' Instiute corps of Minnesota, under Supt. Gregg. The 350. Two day meetings and five sessions in a place are held. Farmers drive in as far as 30 miles to meetings. Five speakers constitute the taff.-Editor.]

## Clean Milking Pays.

Many examples could be given to show the influence of clean milking upon the quantity and
quality of both milk and butter (says a Kansas Board of Agriculture report). In Germany the experiment has been tried of allowing one person to milk five cows during fourteen days, and then another person milk the same cows during the treated during the whole time in quite the same way. The result, however, was that the second person on an average gets about two kilograms than the first one more milk per animal per day by Professor Babcock, of Wiscónsin, three made were milked during a week by one person, A; the ollowing by another person, B. From the milk A received during this week 11.8 kilograms butter churned, while from the milk B got only 9.8 of two kilogra This result is not only owing to the greater quantity of milk received, but more still to the fact that the last-drawn milk is by far the rich-
est. That this is the case, anybody might easily ascertain for himself by pouring the very first and the very last drops of milk from the same teat into cream tubes. When comparing the tubes after the cream has risen, he will be surprised at
the great difference in the thickness of the layerg of cream; the milk first drawn looks, judging from the layer of cream, like good skimmed milk, The last milk drawn is more like thin cream. Through an experiment tried at an agricultural streams of milk contained only 0.6 per cent. of fat, while the last strippings of milk from the same cow contained as much as $\mathbf{1 0 . 2}$ per cent. A thoroughly clean milking, therefore, is very
important, not only as a means of developing the


A Modern Barn, $48 \times 110$ Feet.
Rainod May 218t, 1893, The property of P, Thompson, Clearyille, IHIgin $\mathrm{Con}_{n} \mathrm{Onto}_{0}$
milked daily. Some experiments conoerning this question have also been tried, which show that
the more times a day the cow is milked the more and richer the milk she yields. But whether one milks three times or only twice a day, the interVals between the milkings must, as far as pos-
sible, be of the same length. The cow is in a very sible, be of the same length. The cow is in a very
high degree dependent on habit, and her udder works evenly and regularly. The milking hours, therefore, must be carefully observed, and the same milk the same animal. If the milking is begun of the udder causes pain to the animal. In both of the udder causes pain to the animal. In both
cases loss of milk ensues. The fact that the quantity of milk is lessened by milking less frequently and less energetically is a thing of which one avails oneself when wanting to dry a cow.
But even in this case it is a bad plan not to But even in this case it is a bad plan not t
clean strip the udder ; it is by far preferable to milk less often, finally once only every other day, overy third day, or more seldom still, till the cow gives so little milk that milking may be dis-
pensed with: The milke
eanly condition of the udder and the teats the he observes knots and tenderness in the udder, sores on the teats, the milk canal stopped up the milk having an unnatural appearance, etc.,
some remedial steps should at once be taken. Diseases in udders and teats, often being contagious, cows in that way infected must always be milked the last, and the milk from the affected part of the ulder be put into a special vessel and the infection.

## Cream Testing

reader interested in dairying asks the follow ing questions, which heve been answered by Prof testing cream, the Babcock or oil churn test Does ripened cream test higher than unripened ? Answering the first question, would say in
reference to " Which is the more accurate in testing cream, the Babcock or oil-test churn," that understand this question we need to know something of the nature and objects of these two or total fat in cream or milk, while the oil-test determines only the churnable fat or oil in cream
The fat in the case of the Babcock test is rated by a chemical (sulphuric acid), centrifugal force and hot water. With ordinary care all of
the fat in a sample is separated and measured. the fat in a sample is separated and measured.
On the other hand, in the oil test the only means employed to separate the fat or oil is that commonly known as churning, together with heating some samples of cream churn more readily and more exhaustively than others. In a creamery where the oil test is used, each patron's sample is
churned separately, hence a man with cream which churns readily is likely to receive a higher test than one with cream which does not churn so readily. When all the cream is mixed together for ripening and churning purposes, there would
be little difference in the exhaustivencs be little difference in the exhaustiveness of the
churning, hence the man with cream lacking churnability is likely to be unjustly dealt with With the Babcock test all these little differences fugal force cause a complete separation. About the only danger of error is in the sampling an equally liable to error in these respects, we come
to the conclusion that the Babcock test is much to the conclusion that the Babcock test is much
more accurate than the oil test. more accurate than the oil test.
ripened cream test higher than unripened ?", would say that with the Babcock test there is no difference, but in the case of the oil test, the tendency is for higher readings with ripened cream. The reason for this is that ripened cream, as a rule,
churns more easily than unripened cream, hence the test is higher. because the oil test tially a churn. This fact is taken advantage o by patrons of cream-gathering creameries, and they ripen the cream before sending it to the creamery, in order to obtain a higher test. This plan
however, makes it much more difficult for the buttermaker to produce a good quality of butter because the cream is over-ripe before it reaches the creamery. In many cases it should be churned before it leaves the farm, and by the time it is
delivered, cooled and churned at the creamery, it delivered, cooled and churned at the creamery, it
is impos sble to make fine butter out of this On the
On the other hand, sweet cream can be more Cor cream for conveniently sampled than can nce so far as the actual testing is
This fact induce patrons to de-
Tn a sweet condition, and will do a quality of but-
become familiar with the Babcock test the the oil test.
H. H. DEA

## Fat Content and Cheese.

$\qquad$ pounds of millk should it take to make a pound
cheese from milk testing 3.85, $4.00,4.10$ and 4.25 ? Prof. H. H. Dean, Dairy Department, Ontario Agri-
cultural College, makes reply as follows : "Regarding the pounds of milk required to make a pound of cheese, from milks containing different percentages of fat, I beg leave to submit the following results as being the averpercentages of experiments made with mi

Milk - of given
ake 1 lb . cheese.
Milk testí
Milk testing 4
make 1 lbs. cheese.
Mill testing 4 .
make 1 lb . cheese.
cheese from mullk will understand that the yield of of fat will differ containing these various percentages according to whether or not it has been properly cared

## British Dairy Imports.

During the past year the bill paid by the people was 291 millions of pounds sterling, of which 20, millions was for butter, 7 millions, for cheese and 1 millions for milk. This shows an in crease over tuly preceding year of nearly three per
cent., or fully four-fifths of a : idilinion pounds. There has been only two per cent. increase in the quantity of butter imported. No less than 43 per cent. of foreign butter was supplied by Denmark This little country, whose total area is not so such a large extent the English market for thi class of food. The average price of Danish butter is returned at $11 \frac{1}{3} \mathrm{~d}$. per lb., whereas the aver age declared value of the imported butter from other sourcas was a little under $10 \frac{1}{2} \mathrm{~d}$. per pound
Canadian buttermakers must bestir themselves.

## Dairy Notes.

If your hired man is inclined to kick your cows get him a pair of soleless rubber boots for stable
use, and if you can induce him to wear them he will soon stop his cow-kicking habit.
Study markets. Many sales are made lower
than they should be consequently middlemen's than they should be consequently middlemen's
profits and makers' loss. "Get close to the consumer, not the middleman," should t,e the motto of every dairyman.
When planning work, if the dairy department both quality and quantity of the product will de preciate and no profit from that department be the result. On the other hand, should a systematized method be adopted, along with the prac fully be expected for every hour of partment
the dairy.

## the dairy

## APIARY

## Care of Outdoor Bees.



## GARDEN AND ORCHARD.

## P. E. I. Fruit-growers

The annual meeting of the P.E.I. Fruit-grow ers' Association was held in Charlottetown, on
February 4th, with President Rev. A. E. Burke in the chair. Notwithstanding the fact that the country roads almost impassable, there was a very fair attendance of representative fruit-growers from nearly every section of the Island The visiting horticultural experts present were Mr. W A. Mackinnon, Chief of the Fruit Dept. at Ot-
tawa; Mr. A. McNeill, Ottawa, Dominion Fruit Inspector, and Mr. Saxby Blair, of the Nappan Exp. Farm. These gentlemen added very greatly to the interest of the meeting, and their addresses were brimming with points of intense interest to our fruit-growers, many of whom are just going
into the business. Senator Ferguson gave an excellent paper on the "Apple Outlook," which he said was very hopeful, as our fruit was in demand in England.
Mr. Mackinnon spoke of the great necessity of might secure the lowest rates. The best vari-eties-large lots of one variety, to induce buyers to visit us. To get cheaper rates from the nurserymen : central packing-houses to cull, class, pack and ship the fruit so as to have uniformity
in quality and packing. Advised growing only a In quality and packing. Advised growing only a
few varieties for export. King, Baldwin, Spy and Golden Russet are good kinds for English market. These varieties all do well here. Senator Ferguson said Ben Davis and Baldwin always fared well in the British market in shipments he had made. which the President delivered his annual address, and addresses were also delivered by Messrs. Mckinnon and McNeill. A musical programme also tended to enliven the proceedings. Mr. Mackinhon's address was on "Fruit exhibitions and ex-
hibits." Prize-lists should be in two divisions commercial apples and those for home use or export and domestic, commercial apples to be shown Mr. McNeill in which they were to be shipped. Mr. McNeill said a good deal about the judging of apples, and spoke of the points a judge should lect lesson, by taking the first- and second-prize plates of Gravensteins in his hands, and showed the great difference in quality between them. He said they were better than Nova Scotia Graven-
steins, and as they were a month later in maturing here, they would be a good apple to prow for export. He saw no reason why P. E. Island should not be exporting the best of apples in large quantities in the near future. A few of the good optimistic note in the beginning and continued to he end: He advised the planting out in blocks one or two commercial varieties, and the toprafting of undesirable kinds with some standard ots of export apples haver shipment large shipping, so that smal growers could send the roduct of their mixed orchards to central pack-ng-houses, to be properly selected and graded for oreign markets. We needed shelter-belts and rees, and also to protect the fruit while on the we are, in the center of a storm-swept gulf, we were the most exposed community in the world of a winter fruit show, because we the necessity fibit our winter fruit at fall shows, excent exan education in placing winter appow would be public fully matured. "" Feed your thes before the you would get fruit of a good size, qual well if avor." We wanted evaporating and canning and small fruits for to prepare our early apples uch goods were in demand but whicts, where dead loss here for want of being prepared in such Prof. Saxby Blair. of Nappan, who did not ar-
ive till the second day of the meeting xcellent address on ", Soil moisture in its relamoisture so as to best utilize it we" "The necessity
of cultivation to get the soil in " ondition, and also to form a mulch mechanical preventing the escape of the moisture from behe surface, was strongly emphasized. The leaves of the trees ought to be kept healthy, so that
they could take in the necessary carbon from the air. Prof. Blair illustrated his remarks by using amine the question of co-operative packing, sug-
gested in the President's address. onved to refer the matter of excessive charges on The fruit show in connection with the meeting was very much ahead of any previous one, and excellent condition. There is now no question
about P. E. Island being one of the beat epote in

America for the production of apples and plums ed to make fruit-growing a grand success and large and profitable source of revenue, is a little will convince the farmers that it is to their in terest to go largely into the business.
Officers elected : President, Rev. A. E. Burke Alberton; Vice-president, John Johnston, Long River: Sec.-Tr
All re-elected

## Apples by Weight.

instructive and Association, held at Charlottetown, ably presided over by the Rev. Father Burke. A grood supply
of fruit was on exhibition. We had instructive lessons from Messrs. Mackithon, McNelll and lessons from Messrs. Mackitnon, McNeil and
Blair (who deserve thanks for risking a trip to our Island at this inctement season), as well as from local talent. Hace heard and read a good
ieal of contention respecting the packing, package ieal of contention respecting the packing, package
and shipping of fruit, some in favor of barrels and shipping of fruit, some in favor of barrels
others bushel boxes, when the quantity is al right. To obviate all dissatisfaction, as apples
are retailed by wight on Great Britain and are retailed by wight on Great Britain, and
should be everywhere, why not ship, by welght in barrels and boxes of about marked as on barrels of sugar, boxes cheese, etc. and quotations by the 100 llss . or cental: al
packages as graded to be marked A, 13 or $\mathcal{C}$, and the packer's name and address as a guarantee ani of packace? Then there would be less com plaints heard of deceptive filling, the size of apples having a great deal to do with how stored
As all barrels used in shipping alples are not of ull discrepancies. If excelsior or other pliathle packing was put in top and bottom of package to , revent bruises, the purchaser would feel that he was not any the loser.
Queen's Co. East, P.E.
[Note.-The Dominion Fruit Marks Act desig nates three grades - 1 st, XXX : 2nd,
X -to the put upon the packages.-Ed

## Ontario Fruit Outlook

There is a very unfavorable appearance in the rit fruit. I was testing some plum, cherry and peach buds last week, and find the germ of the
buds very much discolored, some of them almost hack, especially in the plum. 1 observe too, not the leaves on several varieties of apples are still on the trees, indicating that the fruit buds and wood had not fully ripened the injuly
that some large plum trees are cracked open in
the trunks, as they were in 1882-83, when many plum trees were completely ruined in many parts of Ontario. As there has been only a light fall of snow in this district this winter, the frost is deeper in the ground than for many years, the ice on the bay some of the more tender varieties will be seriously
injured. early in March as possible, although I would pre fer pruning about first of June, as the wounds
would heal quicker, but on account of the scarcity of competent help, we hase to prune earlier in the About the last week in March or first in April we give our trees a thorough spraying with lue-
stone and lime, using 5 bs. each fo 40 gals. water. This is the only spraying where 5 lis. of
copperas is used. Then as soon as the buds begin to swell or develop we spray again with 4
lhs. copper sulphate, 5 bs. lime, and 4 ozs. of Paris green then as soon as the blossoms are add 2 ths. to gallon of water of whale oil soap. Inless aphis or scab fungus appears we do not later in 1892 we spraved with the last mixture
about the 7 th June, which had :a good effect. trees with crude oil alone: this was done tid destroy scale insects. We used a very fine nozzle
and had excellent results on healthy, vigorous trees, as it seemed to kill every scale, but one or
two plums that were very badly infested with scale died during the summer. I have no doubt done, as they were weakly in vigor of growth. 1 have great faith in the efficacy of crude oil for
destroying scales, but it must be used very light-
fail apples, unless a different method is adopter for dispoosing of them. Almost every onchard has
a number of fall fruit, and buyers do not care to
handle them, as they require quick transportation as winter fruit. In this district the Spes. Rald win and Greening predominate, but where Salome Ind Stark have been tested they are held in high favor, both being hardy, very prolific, and good keepers and shippers. Both varieties require
strong, rich land to bring best results. The Ontario is a wonderful bearer, and will keep and sell
as well as the Spy, but is a slow grower. The


Mr. J. W. Callbeck, Augustine Cove, P. E. I.
Winner of the silver tea service, value \$15, for best collection
of swine, any pure breed, and fill er cult or best three


Baxter, Bismarck and Wolf River are gaining in avor, and are certainly superior to many of th Ider varieties at present in use. The greatest provement in fruit-growing for some years past is seen in the pruning, spraying
and better oultivation of our orchards in this district. The worst evil we have to contend hgainst is the outrageous freight and express charges we cent. of all the profits. Many thousands ,arrels of apples were lost last yeur, owing large ly to the lack of cars to move the fruit at the roper time, and it is hoped the Railway Comil. R. L. HUGGARD.

The New Plum, "Late Orange. said of new varieties of any other fruit), but it is promise so early in its career as the above sort. It is one of the newer seedlings originated by Thomas was called to it because it was advertised as a ver


Late Orange Plums
ee and set in the experimental orchard at the School of Horticulture, and last year, the second season after
etting, it bore eight large handsome plums (see cut) This is certainly a good indication of its mrolific bearing habit. The tree has proved, al model in this respect. The fruits were picked Octower 15th, but were hardly ripe then, though in exgellent
ondition to ship. And, to test its keeping qualitifes. condition to ship. And, to test its keeping qualities.

December 1 st took it out and ate it, and it was in The frult resembles the Washington variety, though specimens were considerably larger than the usual run an al sort. The skin is a beautiful lemon yellow, wer firm, fine-grained and meaty, and the flavor, though perhaps a little acid for eating out of hand, is ric and "Gage-like." We should pronounce it an A1 canning and preserving plum coming at any season, but it should proves, after most other varieties are gone portant to the grower very profitable. At least, that is what we should predict for it here in Nova Scotia where yellow plums are the most popular sorts for canning. And, of course, its lateness will commend it
as a market sort anywhere where it can be grown since as a market sort anywhere where it can be grown, since August for canning fruit. Fiven Moore's Arctic would sell in October if that were its season. Thank goodness, it isn't, or we might have more of them to eat Late Orange to recommend it for general planting, yet if one has a hankering to try something new, it ofers thing good as well certainly that he will get some lieve that it is roing to be the coming late yellow plum, where such a variety is called for. SEARS

## POULTRY

## Poultry on the Farm

The poultry industry of Canada, only in its infancy, has reached immense proportions the last few years. Thousands of dollars are invested in th:e business, and each year finds this branch of farming more strongly in favor. It has assumed the proportions of a distinct industry, instead of the position held a decade ago of a mere incident in general farming. It should no more be classed as an incident than the raising of live stock. I poutry is worth keeping at ant, it is worth keepit properly, and handring it for all there is in market studies the demands of the market, se lects the breed and makes this one the chief issue Why not the same with poultry? The fowl in telligently cared for will give better results in less time and at a higher percentage of profit than any of the farm animals. Poultry on the farm
was hardly given any consideration at all until recent years, when the foreign market was opened for our dressed poultry, through the introduction of the cold storage system. This has been one of the most powerful factors in developing the poultry ind sstry, by creating a demand for Can
ada's dressed poultry in British markets. Al though there is a strong dernand for dressed poultry in the home markets, the keenest consideration is accorded the raising, feeding and fattening of poultry for the foreign markets. This special able capital and much skill to successfully conduct it, but with the various modern appliances and a wider understanding of care of poultry, good the unwillingness of the farmers to discard the scrub stock, failing to recognize the importance of improvement in this direction. He should learn something of the different breeds, their uses, and choose the breed best adapted for the purpose in-
tended. Still, the best breed may prove a failure unless it is surrounded by conditions for success. Better houses, cleanliness, systematic feeding and careful selection of breeding stock are the chief requirements for successfully raising poultry
on the farm.
M. C. HERNER. on the farm.
Waterloo

## Incubators.

good friend of the "Farmer"s Advocate" wants to know if an unexperienced man can expect would advise a farmer to use one, and to say what make a farmer should buy.
There are many things to be taken into consideration before buying any machine. In this case, if a man wants to raise more chickens than
his few broody hens can handle nicely, then an his few broody hens can handle nicely, then an
incubator will help him out. As for the success of the venture, if the operator will purchase a reliable machine and follow to a letter all in-
structions given, then if his hatches are not sucstructions given, then if his hatches are not sucAs to the kind of machine to purchase: If there is a certain make in the neighborhood that is hatching well and in every way satisfactory, then tion to a mation with anticular make then huy from one of the best known manufac turers. In the incubator business quality counts more than in any, other line of manufacture, so if a machine is expected ito give satisfaction, see
that it is not cheaply gotton up.

## Winter-laying Hens.

At the meeting of the Canadian Fairs Association last week, Prolessor Graham, of the Agricultural College, told the delegates that he had a pen of hens that were laying right along, with the thermometer registering se veral degrees
below zero in their compartments. The secret of below zero in their compartments. The secret of
getting hens to lay, and of preventing their combs getting hens to lay, and of preventing their combs
from freezing, lies in always keeping them in airy, well-ventilated quarters, where the temperature rises but little above that outside. The house in which these particular hens are kept is well lighted; cotton is nailed over the windows to pre ent drarts when the windows are open; the wal in the pen before the birds have a chance to drink it. snow is thrown to them instead of water. The floor is covered to a depth of about a foot with cut straw, which the hens keep scratching
over in search of grain, and so incidentally take exercise and keep themseeves warm. These hens ere
ere in the best of health, and their combs have never frozen yet this winter. Next year Prof. Graham hopes to be able to say whether this method of keeping poule $y$ in such open quarters is mo
economical than keeping them in warm pens.

## Problems in Hatching Chicks.

## As the season for hatching chickens will soon be with us again. I think the following facts found be with us again, I think the following facts found

 out by actualto your readers
to your readers: I found I had some hens the egge of which were not very good, so in order to locate them 1
used trap nests, and with four hens experimented with the following result

## No. strong chicks

 I found, althout half were good. With this hen would hatch a strong chick and the next egg would be infertile, or a very weak germ, and soNo. 8-About two-thirds of her eggs hatched
and the chicks were generally weak compared with the first two.
No. 4-Did not lay many eggs, and in two years
trom.
Now, as to setting hens: I set on May 13th four hens in a pen by themselves, where they could po off and on at pleasure, with nothing to disturl them. They had plenty to eat and drink, and
a dust bath, and being well-tested sitters and mothers, I gave each 12 eggs, got from my several yards, none of which were nicked. or the layers of them known. On June 2nd (the 20th day) Theard peeping in the pen, and on investigation Yound one hen (the second from the end) had got
twelve chicks : the next day one and three hatched out seven and ten chicks respectively, and number four not a chick. How was this? I cannot tell. as every one had the same chance. A further test made with two hens proved that one day's eggs In shipping eggs for hatching. I had reports from some of good hatches, as high as 13 from a
setting: othera reported very noor hatcheo setting: others reported very poor hatches. If sinch was satisfactory to the latter, I duplicated
the order tree. One cuastomer told me of a noor the order free. One customer told me of a noor
hatcli of nine. Shortly after my husiness took me near his place, so I thought I would dron in and see his chicks. His wife said the egrgs hatcher well: Got 14 chicks, 10 from one hen and ${ }^{4}$
from another, hut the latter killed hers. ${ }^{\text {I }}$ said nothing but thoukht the more about the differ not between 9 and 14., The egg trade in some cases is unsatisfactorv: the dissatisfaction arises
from conditions for which neither buver nor seller may be responsible-the egrs may be good when is a risk in shipping egrs, each party should sume part of the risk. The buyer ohjects to carry it all, and the seller complains that the buyer ex-
pects practicallv every exg to hatch. After the pects practicallv every egg to hatch, Ater the
eggs are hatched the seller complains that the huver expected that into a prizewinner.
prizewinners for him They will not all hatch out way by which the quality can be improved by shipning them.
to satisfy his customers to satisty his customers. It is not alwavs no
sible to do this, but the effort should be madt nevertheless. A satisfied customer is a valuath asset; it will pay to strain a moint to satisfy
him. unless he be unreasonable in his demands him, unless he be unreasonahe in his demants
As for the seller of egks timo is plainly dishones he deserves no consideration whatever. and hic
ho. id he driven out of the business. The buyer
 ooth buy and seller. Thave buight eerys and
have had nir sulcreos with some. with others none. Notaly, from a setting of Wivandotte eggs. five chich hatched, every one sincle colnhs though emell hatches, heve got gomo good onee

Some breeders will tell you if you get one good chick it is all you should expect ; not so the bulk think it best in the early part of the season no to just stick at 13 or 15 eggs to a sotting, but
to put a fow extra in until after, say the to put a few extra in until arter, say, the midio percentage of fertility if conditions are favorable but when eggs are shipped I firmly helieve, al though packed to the best of the seller's ability that they get jarred and shaken, and some egg In conclusion, sh
you know how, and the buyer on his part should employ the best means at his command to ensure success, when I believe the friction that sometime

## EVENTS OF THE WORLD.

William Butler Yeats, the noted Irish poet
that
It is estimated that Japan now has 300,000
troops ready for the field, independently of those roops ready for the field, independently of those

Disturbances due to labor troubles have br out at Reval, Finland. Four companies of Rus sian soldiers have been sent to supprese the riots

China does not believe in half-way measures. Having declared neutrality, she now decrees that capitated.

Marcus A. Hanna, Senator from Ohio, after Theodore Rooseveldt the most prominent political
figure in the United States, is dead. He was 67 fygure in the

Profossor Markwald, a German sclentist, has an-
nounced the discovery in pitchblende of particles of an extremely active substa
name of radiotellurlum.

The large mill operated by the American
Cereal Co., in Peterborough, Ont., has been badly damaged by fire The Therough, Ont., has been badly 000 , and 200 men are put out of employment

Hon. R. W. Scott, Secretary of State at Ot tawa, has cabled to the British Consul at Seoul, a request that the Canadian missionaries in Corea (he war

Lord Roberts has retired from the War Offce ut, at the special request of Premier Balfour, ha the Committee for Imperial Defence

A $\$ 10,000$ fire occurred in Ottawa recently The headquarters of L'Institute Canadien, the capital, was destroyedry organization of the sacrifice to thie flames. There is a small insur ance.

A revolt has broken out in the Astrabad Provinces of Persia, where the Turcomans are in con-
fict with the Persians. They declare they will win their independence or become Russian sub tween the Turcomans and the customs officials a Persian Customs House recently established on the Russo-Persian frontier
All the powers are watching, with keenest in lerest, the progress of the British military ex-
pedition in Thibet. It is suspected that the pedition in Thibet. It is suspected that the idea
belikill it looks forward to the building of a great southern railway from Calcutta to Canton, o some other port on the China Sea. Such a road
would prove a formidable rival to the Great would prove a formidable rival to the Grea (berian Railway in the north
Riots are reported from Moscow, Russia, where the Kremlin, being dispersed anty and damaged of the tronps, who killed and wounded many o the rioters. Russia may be filled with patriotic demonstrations and excitations, but it seems ther yot old grudges against an over-despotic govern

The russians are finding it a hard matter to concentrutw thrir battleships. Owing to the in tense culd, the Raltic fleet is frozen in. and will the Mlacl ach, on the other hand, cannot pass tion of certain creaty obligationa to which Russia
was a consenting party. Russia is most certainly confronted with the ver
having without having.

The Bulgarian States are never at rest. Dchumbala, a Bulgarian band numbering 100 wa the night, leaving twelve of their number to fly in the field. In retaliation the Bulgarians dyna mited a bridge, killing seven workmen and two soldiers. The Bulgarians are most eager to join the Macedonians in their struggle for liberty. They say that, owing to the occupation of Rusticularly favorable for the Macedonian revolt which is expected in the spring

The mobilization of the Cossack forces of Siberia for service in the Russian army is going men are now ready to be pushed into of these They are intrepid, used to hardships, and marvel ous riders, and are likely to prove actor for Russia in battles on land. Russia's supplies Railway is utterly inadequate for the strain brought upon it in conveyance of men, stores and munitions of war. Trouble is also being exice is interfering with the where cracking of the

A writer who is familiar with the Japanese Tommy Atkins," says that in the crack reginine inches are common heights, and that the average Japanese soldier is quite sturdy in build, and extremely well proportioped. He is described the weakest part of the army. as the cavalry is are but indifferent riders, but the infantry, artillery and engineers are well equipped and wel organized. The color of the infantry uniform is blue: that of the cavalry yellow. Many of the and several captains of war ships, have eme fleet Christianity.
A report that over 400 Japanese were sabred in a hand-to-hand land encounter with a body o
Cossacks has received no confirmation. other hand, it is known that Japan is rapidly th cupying Corea, where the Coreans are now en thusiastically in her favor, and that, while Rus Japan is gaining in strength. Her new that the Nisshin and Kasamgt, her new cruiser rived safely, and she has nurchased several ne ones. Whatever successes Russia may score will evidently have to be made on land. A dreadful firmed, states that 600 Russian soldiers hav confrozen to death while crossing Lake Baikal Whether this can be true or not, Lake Baikal certainly the bete-noir of the road. Its immense its wintry w ot its storms, and the severity of formidable. Russia can supply a tremend it trul, of men. Whether she can succeed in transporting them with sumficient rapidity. whether she can fee them and keep them supplied with ammunition when arrived at the seat of action, is the ques for the horses can be obtained. With oven forage road. not a first-class one at that. it is little wonder that St . Petersburg trembles to think how

Seldom has a war onened with such a series disasters as have befallen the Russian army in the Japanese war were fired. such a mass of unconfirmed and exaggerated non sense appeared in regard to any campaign. Eager ports have been circulated, only to be discredited nd finally disposed of as utterly foundationless four Russin we wild rumors that three of the blown un than hattleships at Vladivostock had been founded upon fact, has been was by no means intelligence that these vessels have the later crussing in the Sea of Japan; that they have sunk Fukuyamese cruser and bomb,arded the town of ships. consisting island of Yezo. These battleRossia. Gromboi and Rurik, and a protected schooner, the Bogatyr, are described as acted nusendid modern war vessels. able to do much for Russia if well hiandled. Their isolated situation. skill of the Russians at sea is by no means as ured. An instance of the almost. mitiful incaacity of management of the latter is afforded in郎 arcidental sinking of their tornedo transport e Yenisel. While trying to nick up a foating ander her bows, caufing her to
he on board. As these mines are controlled from he vessel was at work there disconnected while he incomprehensible carelessness which led to her frmed is that the Russian cruiser to be conbeen blown up in a similar manner, with a los of 197 men and officers. Not the least factor in these disasters is the fact that the map showing


## NOTES AND NEWS

Of all newspapers in the world, 68 in every 100 are
A telephone line is to be established between white
Energetic measures will be taken for the prevention of fo
River

Now is the time to test your seeds. Plant corn, erminate boxes, and find out what proportion will An Oxford Co. reader reports giving his hogs some
soft coal to eat once a week, which they relish, and with good effect.
The Dairy School, Kingston, Ont., is crowded bethe increasing demands upon it.
We understand that the position left vacant at the
Kingston Dairy School by the resignation of Mr. W. J. Carson, B. S. A., to go to Wisconsin, will not neces ening of the fall tern shortage in the supply of barrel staves. Millers, fruit exporters and others are much hampered in their busi Notwithstanding the inclemency of the weathe mmigrants continue to come into Canada. Five hun disembarked from the Lake Champlain and the Ionian. ree blocks are causing much trouble in the Northum For the first time in many years, Shelburne Harbo In Germany, an electrical apparatus for the purifi-
ation of milk by ozone is used. The ozone, which is rorced through the milk, is said to kill all microThe unusual depth of snow in many parts of Can-
ada is giving rise to grave fears that a sudden thaw
in In the spring may cause disastrous floods. Most
especial anxiety is felt concerning the valley of the
Fraser River. British Columbin Flour, horse feed and similar cargo are not yet
classed as contraband of war; hence, large shipments of Manitoba flour, and consignments of barley, which
had been stopped and held pending instructions Roentgen rays are now being used in the search for
pearls. Formerly, the oysters had to be killed in order to find out if pearls were secreted in the shells. Now uninjured to the pearl-bearing beds. What Roentgen The ice on Lake Superior this season is the heavies that has been known for many years. The lake is
frozen to a great thickness to a distance of sixty miles from l'ort Arthur and Fort William, and, unless ice-
breaking ships are employed, it is feared that navigaDr. F. R. Seager's residence at Brigden, Ont has been wrecked by the explosion of the acetylene gas
plant, and the family had a narrow escape. This is the third serious accident in Ontario within two month
because of acetylene gas. It would seem then high time for acetylene gas buurners to to adopt it is
other system of lighting, which will not be a continual " To produce eggs in winter, hens need warm, wel meal, consisting of a mixture such as bran, oatmeal, such as cabbage, hung where they can barely reach it, good supply of meat and bone-meal is also desirable.
At about 4 p . m. we give them all they will eat cracked corn, oats and wheat, scattered in litter, so
they will have to scratch for it."-w Webber, in - Homestear
arrive next spring, en route to the Britannia Colony, Saskatchewan, will go down the Saskatch lumber and provisions with them
One of Winnipeg's aldermen has suddenly bubturing sugar from beets in Manitoba. He, per haps, does not know that the labor problem is a
serious item to the farmers of this country at serious item to the farmers of this country at
present, and it would be worse to those who

Mn Guy E. Mitchell, of the Scientific Americen tells of a method of making a "cheap, durable and re spectable paint," in which skim milk or buttermilk is
the chie ingredient. The method of preparine it is follows: Stir into a gallon of milk aboparing it is as of Portland cement, and add sufficient Venctiar red, of putting the paint on stir very often to keep the cemen mixed with the milk. Six hours after application thi paint will be hard and weatherproof. Whole milk is even better than skim milk for this paint, which is said
to look well after twenty yearg' sun.
It is stated in commercial circles that the dumpin feared as a result in Canada at a sacrifice, which was has already begun. The offcers of the Customs De partment, in consequence, are keeping a sharp lookou
upon importations from the U. S. upon importations from the U. S.
Owing to the necessary curtallment of exports of price of these commodities is likely of the war, the advanced. It is said that holders of Japan tea ar already asking from one cent to two cents per pound of hostilities
U. St is said that the Customs Division, to whom the tion of the classification of frogs' legs, set ahout ques ing the problem in a very practical manner by eating them prepared in various ways. One reported that those he had experimented with were ducks' legs, whil a third was equally sure they most closely resembled chickens' legs. As the question was decided, two to frogs legs belonged to birds rather than t


Mon. M. E. Bernier
calves, the classification of the pedal extremities of the croaking Amphibian became finally crystallized into the A mole dessed poulry
A movement to improve the morale of the fall fai being to do great feature of the proposed innovations shows, and substitute for them educational features in step points to a "consummation devoutly to b does not and be a popular feature has been abundantly proved in est, where' a weed department-in plained, and methods of eradication given by experts in the subject-has proved to be a drawing card, this sec tion of the fair being always crowded by farmers eager which domestic science may be taught, be provided for the women. By all means, let our fall fairs be marked by such features, and let the directors see 10 it that
no stone be left unturned which will facilitate the enencouragement of such which will facilitate the en
U. S. Farm Animals.

The Acting Statistician of the Department of number and value of farm animals in the United States on January 1st, 1904, by separate States

| Farm animals. | Average <br> price |  |  |
| :--- | :---: | ---: | ---: |
| Number. | rer head. | Value. |  |

Hon. M. E. Bernier.
In recent issues of the Farmer's Advocate," we Blair (Chairman), and Dr. Jas. Mills, of the newly organized Canadian Railway Commission. It gives us phot to present herewith a portrait, from a recent Hyacinthe, P. Q., the Mer member Bernier, of St. September, 1841, son of Etieane Bernier and Julie Lussier, farmers. He was brought up on the farm, unued age of twenty. Previous to that he had purat the age of twenty, begin the study Hyacinthe, and, received notary, without ceasing to connected with agricultural interests. In fact, after the death of his ather, which occurred in 1882, he became the possessor of the farm where he was born, and sold it later to acquire arger one in the same parish of St. as an ar and inues to live, devoting his time to mixed culture and raising stock for dairy purposes. His herd is composed of Ayrshire cattle, out of which there are thirty Agricultural society. nd his best endeavors have always been in the years, tion of improving the land by new methods, and principally by rearing cattle for dairy purposes. From his erd many anima improve inducing farmers to utilize improved agricultural im plements. In the meantime, as a notary and a public man, he has always closely watched the relations behaving given his assistance in order to secure the construction of a reilwa pessing through several counties in the Richelieu valley. cknowledged to be one of the best in the Province of ane ${ }^{\text {a }}$ not will endeavor faithfully to fulfil the duties doubt hew position to the best of his ability. In a former ssue, we referred to the efficient manner in which Hon. Mr. Bernier discharged his duties as Minister or inland

## Oxford Again.

## To the Editor "Farmer's Advocate "

Sir,-While reading Mr. Lee's letter to the "Farm's Advocate relative to my communication regardbrought forcibly to my mind a story which was told of a certain knight, in the time of the crusade to the Holy Land, who, after returning to his native country. was telling a group of warriors his impressions of a Egypt. Another valiant knight, who claimed that he had also seen the pyramid in question, contradicted him, and firmly declared that the pyramid was quite different from what he represented it to be. Of course. dificulty than by a duel with swords. After they were micurey than by a duel with swords. After they were
both badly wounded, they concluded that it might be better to make another journey to Egypt, so that they ould together see the pyramid, and when they got here and walked around the building, they found out very different appearance on the one side from what had on the other, and that each had, on the previous occasion, only seen one side of the building. Now, what
propose to do is this. propose to do is this. On my next visit to the Mr . Lee, and if he will accompany me, I will show him ozens of farms just as described by me in the "Advocate," and it will afford me very great pleasure to would shown the county of Oxford, and, if the roads are not blocked, I would take great pleasure in showing him some of our farms. And then we could compare notes as to how much we had been away from home, and what we people who have travelled awaod deal and have met very little. A farmer in Scotland, who prided himself on his shrewdness, got what he thought was a great was passing pick and shovel from a tramp navvy who next day, he asked: "Didn't purchase to his foreman sir," the foreman replied, "these are bourgain ?" "My which that tramp picked up from the ditcle where we had been working." My object in writing my imressions of what I saw in the county of Kent was not way. Those who have the fine bank barns and comortable quarters for their stock do not require any help or advice, and the other class would make money mals. Looking forward with pleasure to for their anio the the grand old "Advocate," and wish best wishes Lee, I remain,

Yours truly, oxporo.

 who admits that the average, of y Kent, Coputbonouthuild-



farms, and have building materials for "bank barns " near at hand. But not so in kent, where, progress. In conclusion, he offers to drive " D . L., do not have to huddle against the straw stack and the pigs side up to a rail fence for protection against the have their methods of caring for live stock compared with any of the eastern farmers. The "Farmer's Advocate " would now suggest that our kent and oxtord
friends arrange a driving party next spring, which would riends arrange a driving party next spring, which would swords, and we fancy their

Halton Institute Judging Class To Mr. G. R. Cottrelle, the energetic secretary of argest membership roll in the Province, belongs the redit of inaugurating the first stock-judging class to be held at a Farmer's fistrein lerest shor taking port it will no doubt, but the beginning of a new departure in Institute work.
This class was held in the Exhibition Buildings, Milton, February 11th, and the farmers showed their appref of hundred and in spite of the extremely cold weather, and much interest was ma ested in the judging and discussion arising thereby
clase of bacon hogs, and also one of Shorthorn heifers were provided, while Prof. Cumming, of
class of four bacon hogs, provided by W. S. Chisholm, of Mansewood, Cumming had explained the use of the score-card and the value of the different points, one of the hogs was scored, in order to more firmly fix the relative values in memory. The hogs were judged as they is reasons for his placiug, explaining the good and bad points as he went along. Prof. Cumming then gave his decision, pointing out, with the living animals as an object lesson, the points of an ideal bacon

If possible, even more interest was shown in the Judging of the Shorthorns in the afternoon. Protably pure-bred stock more noticeable than in Halton, and especially in Shorthorns. This was certainly expressed pleasure to the kindness of four of Hallon's prominent pleasure to the kindness of four of Hatcons prominent
breeders, who provided five animals, the quality of which would do honor to any breeder at any show. From the herd of F. C. Wilimott, Milton, came two animals, and from those of Greenlass Bros. Miton; each. These were judged from the standard of a strictly Shorthorn type, and also from a butcher's stand-
point. The same system was followed here as with the hogs explained, then those present were ashed to judge the from the very great variety in the form and type of in almost every imaginable combination, but a most pleasing feature of the judging was that, no matter
how placed, their champions would, without hesitation, give plausible reasons for their placing, thus showing
that, no matter how much the fudges might vary in judgment, each had an ideal, and knew the type which portance of having expert judges fix ideals, an thus lead to a uniform type all over the Provinc Prof. Cumming the In the evening, Prof. Cumming gave a very inter-
 and also claimed that we in Canada could raise just as good animals as
the same interest.
the same interest.
Mr. C. C. James, Deputy Minister of Ayriculuare, gave a most instructive address on
history of our country. He spoke of of the institute system, and said that
Agricultural College had done nothing Agricultural College had done nothing
augurate this great educational system augurate this great educational system it wouth
justified its existence. He traced the justified its existence. He traced the agricultural d velopment
only mon
only money crops were pearl ash and square timul,
hrough the wheat-and-varley age, to the present ti of immense production of live-stock, dairy
and ended by a strong appeal for a further extension
our system to the country school, where the child woul our system to the country school, where the chn associa
be taught to love the farm for its charming and
tions. The unanmous verdict of all present was that thi was the most profitable farwers' meeting they had ever a
tended.
G. F. MARSH.

The Daughter's Portion

## the subien tisue of January 219, isee a tetter ur

 have no hesitation in saving it is richt Daughters." I for our sisters, but as to giving them equal with the boys, I could hardly assent to that. All I would like The problem of what to do with the superfluous solve Now, what is the cause of so many of those girls being left homeless? I have been in homes where the moth was doing all the work, apparently, and the girl, probably, two of them, were sitting reading novels.know by experience that reading novels will stimula people's minds away above their surroundings. It will people s minds a way above their surroundings.
make them think the home in which they have been brought up is the most dismal of places, and feel as if they would like to be in a position to live without
work. Such young ladies as these wish to become the wife of some man of high rank-a minister. lawyer banker or something of that sort. During this time a prosperous young farmer, who imagines he could love her with all her deficiency, comes along, and proposes to marry. You may guess the result. No, no, that na, canna, will na buchle ta a farmer.." Hence, the young man gets the G. B., as it is called. Perhaps she makes the acquaintance of bankers, lawyers and
men of high degree, but they soon find out that she can not do, nor does she feel disposed to do, the general routine of housework. Their visits become few and far between. At last they drop off altogether, be-
cause, I believe, they like a good meal as well as any of us. And along with all this, the father and mother has become one of the homeless or " superfluous sirls. Now, some of my readers may think amp harsh an
exaggerating in my ideas. Not so. The hired man
can tell much about the homes of this Canada of ours. He is tossed about from one place to another, and he has a good chance to see what is going on. I have kitchen, while some of those high-minded ladies fed thei bankers and beaux of high degree upon the mos
delicious bread their mother had delicious bread their mother had baked. I also ha been sitting waiting for my breakfast while a
them played a ragtime piece on the piano.
have heard two boys conversing. One was grumbling of how hard it was to makio ends meet. The other said to him, ". If you were in my shoes you would have
reason to grumble," "/ How is that "" reason to grumble." "How is that ?" said the form-
er. "If you had a six-dollar hat to pay for every season and a dress of the very latest, and that for should think.", you would have reason to grumble, I thinking he was most fortunate of boys. Now, in the face of all this, do you think such girls as those
should get an equal division with the boys? Is it any wonder that we have so many " superfluous girls?" Ceneral conclusion, mothers, train your girl to do the Canada's No. 1 flour cun make most delicious bread which Canada's No. 1 flour cun make, spin, sew, and when the
proper time comes for the piano, by all means let her have it. And in time to come she will gladly take the
$\$ 500$ or $\$ 600$, which the former writer deemed a small portion, and move across the road and furnish a lovely
home with the prosperous youns farmer And if home with the prosperous young farmer. And, if

Who Was to be Trusted?

## English sailing vessel in Liverpoot tor skipper of an

"Have ye ever been to sea before?" says the "I have," says Paddy

## Ye're an Irishman

Have yez got your certificate
aboard the Cunard and Allan linere
." Well, I won't take you without yer says the skipper.
Poor Paddy
ot a written was astounded, but away he went and was engaged by the captain. While he was there ". What are ye? ". says the captain.

An Eng are ye ?" says the captain
An Englishman," said the man. The vessel put out to sea. The third day, while
angaged in swabbing the deck, the English hand got hold of a bucket, and while attempting to fill it with ater, overbalanced and fell overboard, and was
 said the captain.
.. And do ye mind the Englishman ". I do.," said the captain

## MARKETS

Market reports make more pleasant reading now
than has been the case for the past few weeks. When went soaring last week, in response to the bullish to in Chicago, the expectancy of war prices, and con sequent higher cable bids from the Old Country. Other grains, especially oats, also stand firmer. Cattle prices quickly in securing their supplies. Feeders are not very active demand, but milch cows are good assets. The hog markets have, at last, stopped declining and a substantial advance is quoted this week. During no past few weeks, Moncreal eprices have kept wel Ontario prices have been a little better than Toron quotations. The improvement in the weather condi tions will be taken advantage of to market live stock
Toronto quotations ara Toronto quotations are
ice, $\$ 4.20$ to $\$ 4.40$. $\$ 3.50$ to $\$ 4$ for cows.
Butchers' Cattle.-Picked lots, $\$ 4.20$ to $\$ 4.50$ nd rough to common $\$ 1.50$ to $\$ 3$. $\$ 5.50$ to $\$ 3.75$ $\$ 3.50$
Mirs are steady at $\$ 2$ to $\$ 3.50$.
 Sheep and Lambs-Export sheep, \$3 to $\$ 4.25$
culls. $\$ 350$ to

Wheat-Ontario-No, 2 red, white and mixed , goose is firm at $i 9 \mathrm{c}$. for No Wheat.-Manitoba-No. 1 hard is quoted at $\$ 1.05$ and No. 3 northern, nt 97 c ., on track, lake porte Milling-in-transit for each grade is six cents more.
Corn-Canadian, 38c. for yellow and are mixed, ca
low, 53
mixed, in cars No. 3 yellow, and 52 fc. for No. 32c. middle freights, and quoted at 32 chc. low freights white are quoted at las. less. C., middle freights, and No. 3, 40 c ., east or middle Rye.-No. 2, 55 c ., low, middle or high freiphts Peas.-Unchaned; No. 2, 63c., any freights. Buckwheat.-No. 2, 50 c ., low freights, 49c. midule
asc. high freights. Flour.-Ninety-per-cent. patents for export, $\$ 3.40$ buyers' bags, f. o. b., main lines west. Manitoba Hat-First patents are quoted at $\$ 5.15$; second
patents, at $\$ 4.85$, and strong bakers, at $\$ 4.75$, bags Mill Feed -Ontario, Toronto.
17.50 and $\$ 17$ to $\$ 17.50$, and bran is scarce at $\$ 15.50$ to $\$ 16$, in bulk,
ars west. Manitoba mill feed is unchanged. Shorts re quoted at $\$ 21$, and bran at $\$ 19$ to $\$ 20$, in car Oatmeal. -There is no change in the price of car s. $\$ 4.35$ for hemen are quoted at $\$ 4.10$ fo
 clover, and $\$ 6$ to $\$ 6.25$ for extra choice lots; $\$ 4.25$ reshed timothy, and $\$ 1.75$ to $\$ 2$ for flail-threshed, all Beans.- The market is quoted unchanged here $\$ 1.50$ to $\$ 1.65$ for hand-picked, and $\$ 1.25$ to $\$ 1.50$ for New York.-Choice medium beans are quoted at $\$ 2.05$ to $\$ 2.07$ per bushel; choice pea, at $\$ 2.02 \ddagger$ $\$ 2.05$, and common to good, at $\$ 1.80$ to $\$ 1.95$. Detroit.-Beans, cash, 81.95 ; February and March在 Baled Hay
hanged at $\$ 9$
Baled Straw - $\$ 5$ to $\$ 5.50$ per ton for car lots, on Potatoes.-Car lots, on track here, 90 c . to 95 c . per Poultry -Quotations, 14 c . to 15 c . for chickens, and to 8 c . for ord fowls, and turkeys are quoted at 15 c . Dressed Hogs. - Car lots on track here, $\$ 6.25$ per Butter.-Receipts are coming forward freely.

 Dairy, parge rolls, choice ......... 15c.
Do
Dairy, tubs, good to choice.......... 15c.
15c.
to
to
to
$17 c$
culls, $\$ 3.50$ to $\$ 4$, and lambs, $\$ 4.50$ to $\$ 560$.
Hogs.-The market has improved, and higher quota
tions prevait; selects, $\$ 5.00$; lights and fats, $\$ 4.75$
$\qquad$
Mroduce.

character, and signs on it, now he's gone of with your

## Montreal Wholesale Prices

 Grain.-Oats-Still firmer, owing to the scarcityNo. 2 , cars in store, 39 c . ; No. 3, 38c. to 38 t Oats are now selling afloat, for May, 40c. being reported
 barley, 46c.; No. 3 extra barley, $\$ 45 \mathrm{c}$. ; No. N, Naced
Flour.-Both the large Manitoba mills advanced their prices, owing to the good demand and continued strength of the wheat market. Ontarios are also $\$ 4.95$; winter wheat patents, $\$ 4.80$ to $\$ 4.75$ : straight rollers, $\$ 4.25$ to $\$ 4.35 ;$ straight rollers, in bags, $\$ 2$ to $\$ 2.10$ Feed-Bran and shorts are firm at advance; Mani-
toba bran, in bags, $\$ 19$ to $\$ 20$ : shorts, $\$ 21$ per tom toba bran, in bags, $\$ 19$ to $\$ 20$; shorts, $\$ 21$ per ton;
Ontario bran, in bulk, $\$ 17$ to $\$ 17.50$; shorts, $\$ 19.50$ to $\$ 20$; mouille, $\$ 26$ to $\$ 27$ per ton, as to quality. ing asked for bags, and $\$ 4.50$ for barrels, on track. Hay-Owing to bad weather, deliveries are light,
and prices are temporarily firmer. No. 1, $\$ 9$ to $\$ 10$; No. $2, \$ 8$ to $\$ 8.50$; clover, mixed, $\$ 7$
clover, $\$ 6.50$ to $\$ 7$ per con, in car lots.
Beans. -Choice prines, $\$ 1.45$ per bush


$\qquad$
Hay, mixed, $\$ 7.50$ to $\$ 8$ per ton. 60 c to 65 c .
Potatoes. $-\mathrm{Fer} 90-\mathrm{lb}$. bag, 75 c .

Retail prices, To
Wheat, red, bush
Wheat, white,
Wheat, white, bush.
Wheat,
Wheat, spring, bush.
Wheat, soose, by
Barley, bush. ...
Beans, bush. ......
Beans, hand-pick
Beans, han
Rye, bush.
Peas, bush.
Peas, bush,
Buckwheat, bu
Oats, bush,
Alsike, No.
Alsike, good,
Alsike, fancy
Red, choice
Red, fancy
Red,
Red, good, No
Red, gothy seed
Timor
Timothy seed
Hay, per ton
Straw, sheaf,
Straw, loase, per
Potatoes, per bas
Apples, per bbl.
Apples, per bbl. ...........
Turkeys, per
Geese, per
Butter, poun
Egter, pound
Eggs, held
new-laid
Eggs, new-laid
Mutton, light, cwt.
Mutton, heavy, cwt.
Spring lambs,
Veal, carcass,

## Horse Market.

Continued storms and delays in shipping has serious Iy interfered with the arrangements of consignors
Business at "The Repository," Toronto during th week was steady, and every animal offered was sold prices being fair. The regular sales on Tuesday and Friday were well attended, and many Northwest and Ontario farmers and dealers bought excellent value in blocky general-purpose pairs. One hundred and sixtyauction. The following were the prevailing prices : Single roadsters, 15 to 16 hands. $\$ 150.00$ to $\$ 225.00$ Single cobs and carriage horses, 15 to 16.1 hands Matched pairs carriage horses, Lo 16.1 hands 250.00 Delivery horses, 1,100 to $1,200 \mathrm{lbs} .125 .00$ to 160.00 General-purpose and express horses,

## 1,200 to $1,350 \mathrm{lbs}$.

Draft horses, 1,350 to $1,750 \mathrm{lbs} . . .130 .00$ to 185.00 $\begin{array}{lllll}\text { Serviceable second-hand workers } . . . & 40.00 & \text { to } & 75.00 \\ \text { Serviceable second-hand drivers...... } & 50.00 & \text { to } & 100.00\end{array}$

## Chicago Markets.

## Chicago-Cattle-Good to prime steers, $\$ 4$ to $\$ 5.75$;

 poor to medium, $\$ 3.50$ to $\$ 4$; stockers and feeders, Hogs-Mixed and butchers', $\$ 5.15$ to $\$ 5.50$; good choice heavy, $\$ 5.40$ to $\$ 5.55$; rough heavy, $\$ 5.10$$\qquad$ Sheep-Good to choice wethers, $\$ 4$ to $\$ 4.60$; fair
choice mixed, $\$ 3.50$ to $\$ 4.25$; western sheep, $\$ 4.20$ choice mixed, $\$ 3.50$ to $\$ 4.25$; western sheep, $\$ 4.20$
to $\$ 5.10$; native lambs, $\$ 4$ to $\$ 5.75$.

## Buffalo Markets

East Buffalo-Cattle-Prime steers, $\$ 5$ to $\$ 5.25$; shipping, $\$ 4.40$ to $\$ 4.80$; butc
stockers and feeders, $\$ 2.50$ to $\$ 4$

Veals, $\$ 6.25$ to $\$ 8.25$.
Hogs-Heavy, $\$ 5.75$ to $\$ 5.80$; few, $\$ 5.85$; mixed;
$\$ 5.55$ to $\$ 5.70$; stags, $\$ 3.25$ to $\$ 3.75$.
Sheep and Lambs-Lambs, $\$ 5$ to $\$ 6.70$; yearlings, $\$ 5.25$ to $\$ 5.75$; wethers, $\$ 4.75$ to $\$ 5.00$;
$\$ 4.50$ to $\$ 4.60$; sheep, mixed, $\$ 2.50$ to $\$ 4.65$.

## British Cattle Markets.

| London--Live cattle, steady at 10 tc. to 11 lac. per 1b. for American steers, dressed weight; Canadian steers, 10 c . to 11 c . per 1b. ; refrigerator beef, 8c. to |
| :---: |
|  |  |
|  |  |

steers, 10 c . to 11 c . per 1 lb ; refrlgerator beef, 8 c . to
8tc. per lb . Sheep, 11 c . to 11 c . per lb.; lambs,

## Shift in the E. Maybee Co.

 The partnership existing between Ellsworth Maybee, Joseph Wilson and wifliam Murby, trading under thename of E. Maybee \& Co., live-stock dealers, Western Cattle Market, Toronto, was terminated January 81st, by the retirement of William Murby. The firm will now be known as Maybee \& Wilson, and have secured the services of Mr. Wm. Crealock, well known to the
trade. They have fitted up offices at the Union Stock trade. They have fitted up offices at the Union Stock
Yards, and will transact business at both markets.

Institute Meeting at Belmont.
Messrs. T. H. Race, Mitchell, and T. H. Mason, Strafordville, institute delegates, held successful meetings in the Masonic Hall, at Belmont, Ont., on the 15th inst. na spite of severe
were well attended
Speaking of the aim of Farmers' Institutes, Mr. Race said that he who toils without knowledge, toils without happiness, and it is he who gets least of life.
The farmer is improving everything on the farm, and The farmer is improving everything on the farm, and
needs to give particular attention to what he carries needs to give particular atcention the what he carriem ary to the brain. Farmers to-day need no longer be "hewers of wood" and drawers of water. They are now equal and will soon be superior to any other
class. Mr. Race urged the necessity of improved class. Mr. Race urged the necessity of improved properly pruned, scraped and sprayed, and the ground cultivated. Co-operation in the sale of apples, he said, is sure to come, does, in fact, now exist in several places. The fruit is brought to common centers,
graded, and sold under established brands. The main point is to have good varieties, and give proper attention to trees, fruits and sales.
Milk for Cheese Factorien
Milk for Cheese Factories - Mr. John Brodie, Mapleton, gave an address on the care of millk before it
reaches the factory. First-The cows must be kept healthy by supplying ample quantities of wholesome food, pure water, and salt. Second-The cans and pails must be kept
merupulously free from dirt and rust. must be kept clean by having the cows clean. It must also be cooled as soon as possible to $65^{\circ} \mathrm{F}$., to check the growth of the bacilli which produce sour and tainted would keep in the udder is practically sterile, and posed to the air, it is subject to the action of the bacilli which produce lactic acid. These organisma grow best at a temperature of $90^{\circ}$, and their develop-
ment is milk is greatly checked by the milk being cooled. Taint in mo will iused by another species of bacillus. Now, the more vigorous species exclude the other, hence tainted milk cannot sour. Mr. Brodie emphasized particularly the evil of putting warm fresh milk into cold. The bacilli in the latter are latent, as it were, walting for the warm milk to raise the temperature, encourage thelf
growth and sour the milk. The Fog es a Moneym
speaking on this subject, drew a sharp contrast between the old style of hog and the present. He said that the weight required at present is the most proftable weight to produce. The first hundred pounds is put
on the most cheaply. The second costs more, but with cheap feed may give a profit. After the hog passes two hundred pounds he is fed at a loss. Speaking of breeding, he preferred light sows and moderate-sized litters. In feeding, he advocated giving the little pigs
a good start on the sow. They thrive better if not weaned young. They should be given plenty of freedom and sunlight, clean bedding, and a proper amount of wholesome food. Prices at present are down, said Mr. Mason, but keep along a steady, even line of pro-
duction, and when it rains porridge your bowls are right side up.
Farm Labor and Rural Delivery.-Two very important resolutions were passed unanimously and emphatically. The first to memorialize the Government
that the labor organization is mistaken in its state ment that farm help is plentiful in this country. The Government was requested to do all in its power to bring in the help for which all employers are so badly crippled. The other is to the effect that farmers in-
sist on a daily mail delivery to their homes. Richard dibson's letter, Richard was read and endorsed by the meeting.
Goup o
illustrations. Goup of Imported Prizewinning Bel-
gian stallions, Ranging in Welg
 Some of the Sheep Exhibitors at the
Western Fair, London, 1903. ....... 26 Mr. A. C. Hallman
A Modern Barn, 48110 feet..................... 27
Mr Mr. J. W. Callheck, Augustine Cove, Late Orange Plums
Hon. M. E. Bernier
 A Request. The Fair Problem aps the Climax Canadian Forestry Canadian Wheat in England The Manchester Market
Our Scottish Letter ... HORSES.
Preparing Horses for spring work Glasgow Stallion Shcw. Observations on Sheep-breeding Canada and the St. Louis Fair. Live-stock Records. ........................
Preparing
Steers for Finishing on Grass .................. 266 266

## CONTENTS OF THIS ISSUE.

 The Sparrow PestTraining a Hedge Training
Applying $F$ Applying
Preparing Seed
Delighted Delighted seed .................. Delighted with the Weekly Fresh Manure Applied
Hired Help Problem An English Agricultural College Recommended to Students
Fresh vs. Rotted Manure Fresh var-beet Growing Huron County Barny (illustrated) The Status of Agriculture The Status Produce Transpcrtation Dairymen Meet,.......
A Record Butter Te A Record Butter Test
Breeding Dairy Cows Clean Milking $\mathbf{P}$ Fat Content and Cheese British Dairy Imports ... ${ }_{.} 267$

[^1]| .267 |
| :--- |
| .267 |
| Ontario Fruit Outlock |
| The New Plum, "..................... 278 | The New Plum, LaULTRY. Poultry on the Farm

Incubators. ...............
..................... 273 Winter-laying Hens ….......................................... 274 Problems in Hatching Chicks
EVENTS OF THE wORLD EVENTS OF THE WORLD NOTES AND NEWS
Farm Animals: Hon. U. S. Farm Animals; Hon. M. E. 27 Bernier, Institute Judging Chase The Daughter's portion Institute Meetipg, at Belmon MARKIETS,

$$
\begin{aligned}
& \text { Markets Market } \\
& \text { Horse Mar. } \\
& \text { Chicago Markete } \\
& \text { Bufaga Markets }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Chicago Markets } \\
& \text { Buffalo Marketa } \\
& \text { British Cotlo }
\end{aligned}
$$

$$
\begin{aligned}
& \text { British Cattlo Markets } \\
& \text { Shift in the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Shift in the DI Maynuedgo } \\
& \text { HOME MAGAZNE }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Home Magazine.... } \\
& \text { Ingle Nook Glats. }
\end{aligned}
$$

Spoils of War (quastradtion
272 Health in the Home

ost, Stolen or Strayed (illustra-
tion)
............................................. QUESTIONS AND ANSWERS.
Calf with cough ; perinesty. on brain ;
curb; mare breeds only once in two years, etc. ; blind mare ; chronic cough ............................................ 284
Injured bull ; unthrifty calf; ob-
struction of milk duct, etc. ; miscellaneous. ........ ..............................287 Worms in colt; worms in mare;
lame horse ; lump on stifle; feedlame horse; lump on stifle; feed-
ing pigs-lymphangitis ; tender back ing pigs-lymphangitis ; tender back
and spridin'
 Concrete veneer ; notice to quit ; TYestpassing; as unsuitable harrow;
twín calves breeding; cement; corn twifin Calves breeding; cement; corn-
stalks'; secretary's address; dissatisfied pedretary's archase; changing color of hair; plan of brooder. ..............285 Marketing cattle ; weak pi and thumps; using waste clover: syrup trier - calf problems ; wator
in cellar ; itchy skin - pinworms In cellar: itchy $7^{9}$ Cement
80 GOSSI
TRADE TOPIO



An exile from home-splendor dazzles in
vain,
Ob ! give
解 With the Give me these,

## A FAIR BARBARIAN.

by frances hodason burnett.
CHAPTER XII-Continued. "You must remember," said Lady Theobald, " that there are many things
which may be done in America which would not be safe in England."
And she made the remark in an at most sepulchral tone of warning. How Miss Relinde would have sup-
portod herself if the coach had not been announced at this juncture, it would be difficult to say. The coach was an-
nounced, and they then nounced, and they took their departure.
Mr. Barold happening to make his adiue Mr. Barold happening to make his adieus
it the same time, they were escorted by him down to the vehicle from the Blue Lion.
When he assisted them in, and chosed the door, Octavia bent forward, so that
the moonlight fell full on her pretty the moonlight fell full on her pretty,
lacecocovered head and the sparkling drops in her ears.
"Oh ! "" she exclalmed, ". if you stay Aunt Belinda, ask him to come and see
us." us." Miss Belinda could scarcely speak. Auttered. shall ". Any - most happy," mhe
Theobald's, of ccurse "- of dear Lady "Don't if ing her hand
The coach moved off, and Miss Belinde "My dear," she gasped, " think
Octavia was winding her lace scars
around her thro around her throat
He Hell think I want him to call," she Chapter XiIl
The position in which Lady Theobald
found herself placed, after these occurrences. was certainly a difficult and unpld's caprice, for was the time Francis Bardevelop an intimacy with Mr. Burmistone. He had, it seemed, chosen to become interested in him during their
sojourn at Broadoaks. He had discovered him to be a desirable companion, and clever, amiable fellow. This much he
condescended to explain incidentally to condescended to explain incidentally to
her ladyship's self. I can't say I expected to meet he remarked, " and I was agreeably suiprised to find him both. Never says to much.,
To this Lady Theobald could make no reply. Singularly enough, she had dis-
covered early in their acquaintance that her wonted weapons were likely tc dull their edges upon the steely coldness
Mr. Francis Barold's impassibility. the presence of this fortunate young
man, before whom his world had bowed man, before whom his world had bowed lost the majesty of her demeanor. He
refused to be affected by it: he was reven implacable enough to show cpenly
even ent it bored him, and to insinuate by
that it
his manner his manner that he did not intend to
submit to it. He entirely ignored the

Ing to the promptings of his own moods.
He did not feel it at all incumbent upon him to remain at Oldclough Hall, and subject himself to the time-honored customs there
accept
Mr.
Burmistone's become his. guest at the handsome house
he had fust completed he had just completed, in which he lived
in bachelor splendor. Accordingly he
installed himeelf in bachelor splendor. Accordingly he
installed himself there, and thereby complicated matters greatly. Slowbridge found itself in a position
as difficult as, and far more delicate than, Lady Theobald's. The tea-drinkings in honor of that troublesome young
person, Miss Octavia Bassett, having person, Miss Octavia Bassett, having
been inaugurated by her ladyship, must go the social rounds, her ladyship, must
custom. But what in to ancient custom. But what, in discretion's name,
was to be done concerning Mr. Francis was to be done concerning Mr. Francis
Barold ? There was no doubt whatever that he must not be ignored ; and, in that case, what difficulties ; presented
themselves The mamma of the two Misees The mamma of the two Misses Eger-
ton, who was a nervous and easily subbugated person, was so excited and
overwrought by the prospect before her, overwrought by the prospect before her,
that, in contemplating it when she wrote her invitations, she was affected to ./ that I have not slept for three nights, I have been so harassed. Here, on one hand, invited ; and on the other is $M \mathbf{M r}$ Burmistone, whom we cannot pass over, and here is Lady Theobald, who will turn
to stone the moment she sees him,though, goodness knows, I am sure he
seems a very quiet, respectable man and said some of the most complimentary things about your playing. And there
is that dreadful girl, who is enough to is that dreadful girl, who is enough to
give one cold chills, and who may do all sorts of things, and is certainly a living example to all respectable, welleducated girls. And the blindest of the
blind could see that nothing would offend Lady Theobald more fatally than to let her be thrown with Francis Barold; and how one is to invite them into the same room, and keep them apart, I'm sure I
don't know. Lady Theobald herself could not do it, and how can we be expected to ? And the refreshments on my mind too; and Forbes failing on her
tea-cakes, and bringtng up Sally Lunns That these misgivings were equally shared by each entertainer in prospective, might be adduced from the fact that the
same afternoon Mrs. Burnham Silcher appeared upon the scene, to con sult with Mrs. Egerton on the subject.
Miss Lydia and Miss Violet being dismissed up-stairs to their practising, the
three ladies sat in the darkened parlor three ladies sat in the darkened parlor,
and talked the matter over in solemn
conclave. conclave.
! I have consulted Miss Pilcher, and
mentioned the mentioned the affair to Mrs. Gibson,"
announced Mrs. Burnham. "/ And reali announced Mrs. Burnham. "And really
we have not yet been able to arrive at any conclusion."
Mrs. Egerton shook her head tearfully.
" Pray don't cook "Pray don't come to me, my dears,"
she said,-" don't. I beg of ycu! I have
thaught Chought about it until my circulation applying hot-water bottles to my feet all the morning. I gave it up at hali-past
two, and set Violet to writing invita-
tions to one and all. be what they may." let the consequences Miss Pilcher glanced at Mrs. Burnham,
and Mrs. Burnham planced at Mis Pi and Mrs. Burnham glanced at Miss Pil-
cher.
"Perhaps," Miss Pilcher surreested er companion, "it would buge as well for you to mention your impresstons."
Mrs. Burnham's manner hecame addi-
tionally
slightly
${ }^{\sim}$ My dear She bent forward
ou thet dear," she said, "has it struck lentions, so to speak ?
." Intentions? "" repeated Mrs. Egerton. speak. ". With deep signifcance,-s Mrs. Egerton looked utterly helpless.
" Dear me!" she ejeculated plointive.
"Dear me!" she ejeculeted plaintive-
ly. "I have never had time to think
of it. Dear me! with regard to
Lucia ! '. Buar me! With regard to
still. And," she added, "Mr. Francis Bar-
old.
old." ${ }^{\text {Mss. }}$ Egerton turned to Miss Pilcher, and saw confirmation of the fact in her ". Dear, dear ! "" she said. "That makes it worse than ever."
". It is certain," put in miss Pilcher, "that the union," putd in Miss Pilcher, one: and we have reason to remark
that a deep interest in Mr. Francis BarOld has been shcwn by Lady Theobald.
He has been invited to make her bold his home during his stay in Slowbridge and, though he has nct done so, the fact that he has not is due only to some inexplicable reluctance upon his own part.
And we all remember that Lady Theobald once plainly intimated that she anticipated Lucia forming, in the future, a matrimonial alliance." well for Lady Theobald to have intenhass for Lucia ; but if the young man tentions will be likely to tosult her inthing particular. And I am sure Mr. be influenced in that way now. He is
more likely to more likely to entertain himself with
Octavia Bassett, who will take him in the moonlight, who will take him cut able to him in her American style."
Miss Pilcher and Mrs. Burnham exHanged glances again.
"My dear," said Mrs Burnham, ./ has called upon her twice since Lady Theobald's tea. They say she invites him herseff, and airts with him openly
in the garden." "Her conduct is such," said Miso Her
Pilcher,
binduct
binds such," said
a shudder, blinds upon the side of the that theminary Which faces Miss Bassett's garden are
kept closed by my orders. kept closed by my orders. I have young
ladies under my care whose characters are in process of care whose characters parents repose confidence in me."
"Nothing but my friendship for Beinda Bassett,", remarked Mrs. Burnham
would induce to my house." Then she turned you included them all in your invita tations?" she observed.
Mrs. Fgerton became plaintive invita"I don't see how I could be expected
to do anything else," she said. "Lady Theobald herself could not invite Mr Mr
Francis Barold from Mr Francis Barold from Mr. Burmistone's
house, and leave Mr. Burmistone at home. And, after all, I must say in my
opinion nobody would have objected to Mr. Burmistone, in the first place, if
Lady Theobald had not insisted it." Brs. Burnham reflected.
"Perhaps that is true," she admitted "Perhaps that is true," she admitted
sautiously at length. "And it must be confessed that a man in his position is particularly in a place where there are
but few gentlemen, and those scarcely hut few gentlemen, and those scarcely
desirable as "-

A SocialiEvening.
[Written for the "Advocate."] entertain her friends, and worries and frets, and is at a loss to know what to have her guests do. She thinks of cards and dancing, and decides they are not agreeable to all,
and often, too often, either deprives herself and family of the benefit of friends to make their own entertainments, or do without. A few weeks ago, a few of my old schoolday
friends were home on their holidays and, as I wanted to see them all, I, decided to invite about twenty persons on the same evening. With my invitations, 1 requested each one to wear some motto or badge or part
of dress to represent a familiar book by some well-known author. One young man had a beautifully-executed pen sketch of a woman with a broom ance refuge under a bed. This character Stoops to Copent Goldsmith's "She sash made of the pictures of wild Thompson's "Wild Animals Seton each left his or her naests assembled, with the name of the book that he Then each guest was given hostess. and pencil, and was requested to guess the book each represented. In lected and a souvenir papers were colcorrect answers. who had the most book, and by this time all had thrown of reserve, talked, laughed, oy themselves. ther men were then taken into anfor twelve dollars, and told that they had to purchase partners for the number was appointed auction of the sheet was hung across the door, sented one dainty foot, and the auca reserve bid. each, and bidding soon became fhen each couple werch a partner. ontaining thirteen questions, called being laft for vere Tale," blank space 1. The maiden's name and the 2. An actjective. " "Mat degcribes her,
and her lover's name.-"Sweet Wil3. When they met.-"4 o'clock."
4. What she wore on her daint 5. Love at first sight. - " Iassion 6. What ghastly trophy did he , To whom did she refer him? 8. What did she give him as $h$
nealt before her ? 9. Where did he imprint the be Forgtat he said in parting. 11. What-me-not." were wedding bells?

FEBRUARY 25, 1904
13. Who married them the Pulpit After a limited Jack in The ladies prizes awarded. hearts, which they pinned parts of dresses. These contained parts of well-known quotations. The men went to a box and drew the other completing the quotation
Supper was then announced, con-
sisting of cold chicken, salad, bread sisting of cold chicken, salad, bread and ciocolate. The table had long
trailing branches of woodbine and Jacob's ladder, gathered and kept in the cellar for decorative purposes. The bright-tinted leaves of the woodbine entertwining the dark green of
the Jacob's ladder, on the snowthe Jacob's ladder, on the snow-
white cover, made charming effect After refreshments, each was asked to tell his or her best story. This was not the least enjoyable feature of even story well told. Music was good story well told. Music was
then provided, and, finally, all joined in singing "Auld Lang Syne." In conclusion, let me note a few evening. Literary taste is quickened and deepened. A creative power is infused. An independence of thought is cultivated. The beautiful in our
own nature cultivated, and, lastly, own nature cultivated, and, lastly, portant, and the most difficult artthe art of being or becoming good
talkers.

Spoils of War.
There is something very pathetic in his picture. Chairs out-of-door enerally suggest a cool veranda o difference! Possibly the victory was a just and glorious one, but the lying around in confusion goes to the heart. One wonders at the free-and easy attitude of the elderly officer the jubilant air of the young soldier who is showing some of the "spoils" to the other. Look at these quaint little teapots, perhaps not so long poured the refreshing tea into dainty cups. The ornamental clock, too, the hours and minutes? Then the guitar-is the hand that swept its
strings cold in death? And where is the little child that innocently played with that funny toy dog on wheels ? One soldier's face looks a little sad. He is looking at a picture, which of home of mother, wife, sweel heart-we know not.
Some of the sombre-looking group
in the right background seem to be prisoners, and one can imagine what is in their hearts, although they are
too proud to let their enemies see into them. Alas! the " Spoils of War " mean untold misery to so many that we may well afford to give some sym-
pathy to the vanquished, even though they be our enemies, and try to imagine the shattered homes and
those grieving ones who mourn their those grieving ones who mourn their mourn our dear ones.

> Long shoulder effects are shown in every garment, and promise to re-
main in fashion for some time yet. The shoulders on the newest dresses have more of a decided slope than ever, and have entirely done away
with yoke effects. The vest front is taking the place of the yoke.

Hair ornaments and combs occupy a very important place in the fash-
ionable wardrobe. The sidecombs, pins and barette should match the
color of the hair as nearly as po - color of the hair as nearly as pos-
sible, and for general wear should be sible, and for general wear should be
very plain. The carved ones and jewel-studded are pretty for evening
wear. 'The tiny barette has again wear. The tiny barette has again
taken the place of the large one worn during the past season, and is pretty,
as well as useful, in keeping up the short hair at the back.


Dear Friends,-
I have to apologize to Mossback for having kept her letter back so ang. However, here it is at last, much interested in it. I am very sorry you are so homesick, Mossback. away up there in New Ontario home if, as you say, the " land is good," you may be sure settlers will soon find it out, and trust that before and buggies to ride in, and neighbors to wave your hat to when you are putting out the washing in the back yard. I am glad you notice and are interested in the animals and of John Burroughs' books, now, they would help you to see so many more things than you dream of, and to love every wild thing better. I have been reading " Wake-Robin,
lately, and am enjoying it very much. Do you know, Mossback, I was never so homesick in my life as when I was in the heart of one of the largest the smoke, and the hurry of it ! And those dreadful street-hawkers, who came screeching around about bananas or rags or something berore one wanted to wake up in the
morning ! People everywhere, and yet as far off from one as though an adamantine wall were between. How I used to long for old Canada then, or the sound of an axe in the bush, field, or the shrill, far-off chorus frogs in the swamp down where the red willows grow ! I think I should have been glad then to go to New could get my feet on British soil and see the green of trees and grass, and catch a glint of clean, blue sky. rightly in a large city sean the sky ightly in a large city. But homeYet, it wouldn't have been best fo the children of Isreal if they had gone back to Egypt, would it, Moss-
back? We can't always see, you know.

MOSSBACK'S LETTERR
Four. Years in the Woods Along the White Fish. in the woods of New Ontario, one can look back to the children of Israel with-
out wondering that they longed to out wondering that they longed to turn
back to Egypt. We can remember the time when we, like others, sang ": The Land of the Free and the Home of the Brave." Yes, it certainly is, but some
are not brave enough to face it more are not brave enough to face it more
than two cr three years.
". The land is good : it is not that, but being out of civilization, that kills: going without apples; $n$ bo beef; pay-
ing $\$ 18$ a car for 25 miles on green birch; no stations; no roads. We are longing for wings to start up with, so that we could go over the tall trees and
peep in the old home. We wonder how the little church is getting on: we think of the buggy rides ; we wonder will the Government ever come to our aid, and will it be soon. Cow bells are the rage,
you wake up and hear six by at midnight.
come at the birds singing gaily that lumber jacks get so Yes, they do ; the your fingers and take a bit of bread out for nuts the chipmonks learn to hunt Yor nuts in your hand, or up your
sleeve; the partridge drums on the log; you may hear the moose splashing
the water on a hot day in August. young owls sit on a limb and blink at you; a black fox tries to coax the pup o play with it; you plant seeds, and
the mice take them out and put them in litthe clumps where you do not want them. There are no snakes. Was St. Patrick here? Once in a while there is very hard to see, as they will run sometimes even when the cub is shot. The rabbits sit up and look at you, and wonder what you are; they turn quite white
in winter. The wild honeysuckles chlmb up the underbrush-such pretty yellow and red blossoms! The speckled trout have had their day, that is, the two or three pound ones.... My husband
thanks you for the compass he won thanks you for the compass he won fo
getting new subscribers. MOSSBACK."
$\underset{\text { Miss }}{\text { FROM ONE }} \underset{\text { OF }}{\text { OF }}$ THE $\underset{\text { GIRLS }}{\text { Grites }}$
" How nice it is to live in the coun, where you can have everything fields and flowers are my delight in summer, and skating and coasting in winter. But please do not think I do nothing else. I do a good share of the housework, and take it as ex-
ercise-rather enjoyable, eh ? But I love to bake, and do everything pertaining to housework. Some day I hope to tell you about my 'cosy corners, ${ }^{\text {Cer of which I have a number." }}$ Certainly, Miss Margaret, come again, and tell us about your cosy corners. They are just the thing in an ingle nook, you know. Thanks, for your words of praise, which were 1 . lidn't like to publish them. Thank youl, all the same; I am glad you are enjoying the Ingle Nook. correspondents in this Departmentwill you kindly adopt a distinctive pen-name, and send it to me along with your own. Only your nom de plume will be published, unless you pear, in which case kindly ap so. But choose some if landmark " better than your initials. Our numbers are increasing, so that the initials are in danger of getting have each member take some striking name, which will serve to mark him or her out as a distinct personality every time he or she comes. "Cheer up-odist " is a fine one, also these much better than J. G. M. or S. W. T., or anything of that sort. So, kindly see that we have no more
initials. Now, then initials. Now, then, I must intro the Circle, stand up and make your
a STRATHCONA READER
Dear Dame Durden,-Having read in - Tenderfoot,' asking for some from which do not require egge or millis, I will send the following, which I have
tested fully myself. My husband wave tested fully myself. My husband used these recipes, - being, like our friend 'Tenderfoot,' without eggs
Hoping these may prove useful,

$$
\begin{aligned}
& \text { "A STRATHCONA READER." }
\end{aligned}
$$ MEAT PIE.-Take any small pieces dinneer ; cut have been left over from an inch square in all pleces about half hold abcut a quart. atout hat will with meat:; then take some cold boiled potatoes; cut them in with your meat;



Spoils of War

THE FARMERS ADVOCATE

## HEALTH, IN THE HOME <br> GBy a Traized Nursee

## The Care of Helpless Patients.

Unless great care is taken to pre-
vent it, a patient lying in bed for several, weeks is liable to become very
sore. It is quite easy, however, by sore. It is quite easy, however, by
taking proper precautions, to prevent bed sores, except under certain unusual conditions, or when a very thin or very heavy person is con
fined to bed for a long time. They are caused by pressure upon a will disappear when the pres-
sure is removed, but the pressure cannot be removed for long at a time while the patient remains
in bed. A patient lying upon his back most of the time will find it very painful. Lying upon his side, the
hips and shoulders become red and hips and shoulders become red and
sore, and if nothing is done for this, there will soon be a slight breaking of the skin, which will rapidly ex-
tend and ulcerate. Whoever is attending to a sick person should rigidly observe the following rules: First
to keep the under sheet absolutely straight, smooth and dry. Secondly. to keep the circulation up and the skin in good condition, by bathing and rubbing. Thirdly, to see that
the patient's position is frequently the patie
changed.
THE BED IS THE FIRST CON-
A sick person who is in bed for
any length of time should lie on a
good hair mattress over wire springs. The bed ohould be soft, but firm and
even all over. Feather beds are the worst possible things to lie on. They exclude air from the skin, and keep it moist, have no firmness, and are generally unmanageable. The mattress should be protected by a
thick cotton case or cover. In winter, a thin blanket may be used next and smoothly over the bed, and tucked in firmly everywhere, so that
there is not a wrinkle in any one of there is not a wrinkle in any ene
them. If they are not large enough to tuck in properly, they must be pinned with large safety pins to the
mattress. Wrinkles, crumbs and inequalities in a bed amount to almost
torture for the patient, whose back and hips become more sensitive from the continued pressure as time goes be tucked in at the bottom, and loosely, if at all at the sides. of a sheet and blankets, large enough to hang down a foot below the wooden
or iron part of the bed on each side. These, not being tucked in, do not hamper they are not easily dragged o of place. If a quilt is used should be as an extra, when neces-
sary. Blankets are lighter and warmer, and, hence, more desirable. lightest ones available. A rubber sheet is always more or less uncomfortable, but cannot always be avoided When necessary, it is usually put on acro the bed, and covered by another sheet folded in half by bringing together the hems at top and bottom. This is called a draw-
sheet, and can be changed without sheet, and can be changed without
disarranging the rest of the bed The sheet the patient lies on should be changed once every day, and oftener when necessary, one source of danger being removed by thus keep-
ing the bed clean, smooth and dry. ing the bed clean, smooth and dry.
The rest of the bed linen is less important, though it should be changed as often as possible. It is a luxury that cannot always be achieved to have the bed changed throughout
every day, but the under sheet is of every day, but the under sheet is of
real and serious importance, and that can almost always be managed.

A bath should, if possible, be given
every day, between blankets, as
fore described, for cleanliness. If it is not possible, then the back, hips and shoulders must be washed with soap and water, well rinsed and thorkish bath towel, and rub well and rather hard, but not quickly. Cover the hand with the towel, and rub with long, even strokes, outward and upward from the spine over the
shoulders and hips, putting on pressure with the outward stroke, and bringing the hand back lightly. Should there be any red spots remaining after this, they must be rubthe bare palm of the hand (rubbing the bare palm of the hand (rubsing and a little alcohol or alcohol and water. This facilitates rubbing,
tends to harden the skin, and is very teooling and refreshing.
The patient's position should be often changed. Take advantage of or medicine has to be given, to turn him over, and rub the places he has been lying on. This can be done
without disturbing him or keeping him awake - it is usually a great re lief and rest to have it done. The patient need not be uncovered, but the night garment must be loose, so
that the shoulder can be rubbed that the shoulder can be reabiled straight and smooth under the body when the rubbing is finished. These
items often make all the difference between a restless night and a re freshing sleep. it is a good
plan, when making ready for the night, to rub the patient all over with alcohol, not rubbing it quite
dry. Alcohol evaporates rapidly, dry. Alcohol evaporates rapidy, bed happens to get a little on it, it does not matter, and the evaporation
of the alcohol imparts a very clean and refreshing feeling to the skin,
and, in addition, a glass of hot milk or hot milk and water last thing wil sometimes induce sleep.

For Tired, Nervous Women. working between meals was what was killing some people. This of course was
what he would have called "* sarkastical," but it is certain that the habit of
eating indigestible things and never stopping to take a rest between meals works much harm to the home woman. She fast, especially if she has prepared it
herself, and in an hour or two she is

A little nerve-destroying fiend dwells in the teapot which is always upon the
stove. Its contents may give fictitious strength, but they steadily wear out the nerves and sap the vitality.
A good freshly brewed cup of tea is a is moderate tea-drinking at the prope
time to be condemned, but the pot which stands upon the stove continually brews a poison that plays havoc with a women's nerves. A cup, of hot mik is almos as stimulating as tea, without any of the
deleterious effects of the latter, and where a between-meal pick-me-up is nec essary, it will be found very comforting to a weak, tired stomach. Where milk patented food preparation or a cup of bouillon will answer the purpose as well if not better. Another good thing I have found is a piece of dry bread or cracker, over
which hot beef tea has been poured. It is not necessary to have the beef ex-
tract; a very good sabstitute can be tract; a very good sabstitute can
made from bits of meat from which th fat has been removed-bits of steak, chops, if they are free from fat. These can be stewed a long time with a bit of onior
or paraloy for fiavor. When atrained
and seasoned this makes a strengthin and palatable liquid, costing nothing hu a few moments' work. I have found
this an excellent thing for children as well. Most have the traditional idea se self-sacrifitie so ingrained in their beings that it is almost impossible to in
duce them to do anything for themselves duce them to do anything for themselves
They seem to feel it a sin for them to be comfortabi, jaded woman needs to hel ${ }^{\text {a }}$,
A ired, herself in every way that is comforting duty to do so. Her physical if not moral salvation depends upon this, an there is no
There is no one in the household tha
thoughts and feelings. She must con
stitute herself her own censor and arbi-
lator, and she cannot do this justly t
strong and her temper under contro
She is queen of the realm of home and
is responsible for its government, and to fill this place with its hard work and
inevitable cares, she must put on the whole armour of strength in body and $\underset{\text { Almost all women like pets, and the }}{\text { mind. }}$ care of them is a pleasure. A bird, cat, a dog, or fven a lew potted plants,
any or all of these give her something to
ther and and her A woman who constantly and per-
sistently does the very best slie can with the means given her, who tries to make home what it should be, earns the right and title to something for hersel whe without price, and that is the possession of herself and an unmortgaged bit of ime every day.-[Mary Sargent Hopkins

Fashion Notes
Never have the shadings of ostrich resent. They are a most service able trimming for hats, as they ma easily be renovated. This season

Raspberry is one of the newest colors, chamois another. Sealskin hown among the new shades, and re exceedingly prett
Laces of all descriptions will be useown at the present time are very fine and filmy. Embroidery is

The shirtwaist will be more popula than ever the coming season. A
pretty suit recently seen was made of rown Scotch tweed. The waist had wo wide tucks or plaits on each with red velvet. There was a box plait in front, and upon it were The rings were made of silk thread the same shade of the velvet piping, and about the size of a quarter or arger. They could easty be mad y first making a ring of padding closely to resemble buttonhole stitch the back of the waist was plain having a few gathers at the wais The sleeve was the regular shirtthree tucks, about half an inch wide running from the shoulder to the elbow. The bottom was quite wide and was gathered in and finished ed velvet. in walking or instep length. A row of stitching down each side of the seams, and several rows arvals were sufficient to take away the severely plain effect, and gave it a very nea and trim uppearance
An exceedingly serviceable and desirable coat for those who have much
driving or walking to do in all kinds of weather, is the long, loose rain or dust coat. Made of rainproof serge,
the dust and rain, and is a stylish garment as well. A wide plait from
the shoulder, turned towards the center seam and stitched to wais the back, and a corresponding plait on each side of the front, stitched
only to bust depth. The neck is same material, or of velvet, and one two, or three small capes, extending a little over the shoulder, give it a
stylish effect. The front is finished with a fly closing, and a belt is pu Pockets are inserted in each front, sewn on the outside if desired, and an opening is made in the side scams,
through which to put the hand to hold up, the dress. The sleeve is of the loose bishop
style, and may be drawn in at the
bottom and finished with a lurn-back

Life A Literary Curiosity Remarkable compilation by Mrs. H. C.
Each line is a quotation from
Denning.
some standard author, and represents the results of years of laborious search
among the voluminous writings of thirty-
$\qquad$
$\qquad$
$\qquad$ and die $\qquad$
$\qquad$${ }_{7}$ But light cares speak when mightygriefs are dumbthey come.
10. Unmingled joys to no man here be
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$pleasures lay.
22. With craft and skill to ruin and be
tray.
23. Soar
$\qquad$ spise.
25 . Oh, 26. Riches
is a dream.
27 . Think28. The paths of glory lead but to the
29. What is ambition? 'Tis a glorlous
30. Only destructive to the brave and
fown?
down.
33. How long we live, not years, but
st life
35. Make, then, while yet you may,3mprehend.
$\qquad$
$\qquad$
The lines are contributions from :
1, Young ; 2, Dr. Johnson ; 3, Pope

Daniel; 8, Sir Walter Scott; 9, Long-
fellow; 10, Southwell; 11; Congreve; 12, Churchill: 13, Rochester; 14, Army
ter
 Byron ; 21, Smolleft
23, Massinger 35, William Maso
38, Shakespeare.
$\qquad$ Hill ;

## with obe Flowers.

Cold as it has been, the gaudilycovered seed catalogues, emblazoned with huge pansies and asters, an make one's mouth water, appeared long ago-right cherry harbingers of spring they were, too. Now, I want a catalogue, you ought to send for one. Any seedsman in the city nearone on request. There is no end of inspiration in a seed catalogue. You you will have this or that in your garden next summer, all the while in dulging in visions of the most wonderful flower garden, and rows of wax beans, great purple beets, feathery carrots, and golden squashes and different your success with your garden may have been in former years, this time there will be a differpleasant this planning is until you have tried it a few times. It is the
first forward move toward your garden, and once formed, the " seedcatalogue habit " will grow on you, famous " German Garden," you are ready in December to run off up-
stairs, lock yourself in, and make sut your seed lists.
Besides
logues in good time, and to send directly to the seedsman, whose reputation is at stake in the seeds that
he sells you, for what you want. Seeds should be ordered about the end of February, as many of them
should be planted in boxes in 'the should be planted in boxes in the
house, or in a hotbed, early in house, or in a hotbed, early in
March. See to it, then, Flower Corner
friends, that you have your cata-
logue. Just the writing of a post card will bring you one. Write the

## The Hydrangea.

The hydrangea is deservedly a
popular plant. Its foliage is handsome, it is especially immune from
insect pests, and its period of bloom lasts for months, its great clusters of rosy pink flowers changing, it their later stages, to a pale green Which is scarcely less beautiful.
Wm . Robertson, whose hydrangeas exhibited at the Pennyslvania Horticultural Society meeting last summer, were much admired as being the finest plants ever shown before the
society, gives the following method of culture: After the plants are through flowering, he prunes them back very hard, takes them from the
pots, and, after shaking the soil well pots, and, after shaking the soll well the garden, in rich soil. During the rest of the summer, he cultivate them well, and waters them liberally. In the fall, he lifts them very care
fully, taking up a good ball of earth fully, taking up a good ball of earth
with them, and puts them in pots which are large enough to give
plenty of room for their roots. He then gives them a good watering, and puts them in a cold frame, afterand all the sunshine they can get, aiming si mply to keep them from either growing or freezing until required to
bloom. Then they should be re moved to a warmer situation, and
given plenty of water, to which about twice a week, liquid ferilizer is Everyone, however, has not a cold frame. In this case, the hydrangeas may be put in the cellar in the fal and kept there until January or Febto keep the leaves from falling off of the brought up for blooming, part
of the should be removed from the top of the pots, and a good top dressing given. After that, simply and frequent sunshine and water, manure. In suminer, plant out, and lift in the fall, as above. Hydrangeas
do not require to be kept very warm, a not require to be kept very warm grees being all that is necessary. When you wish to start slips, put them in sand kept moist. When the have started well, put in pot
and, finally, plant outside. preferred, the pots may simply be plunged in the flower-beds, but this process scarcely gives as strong a growth as planting right out in the open soil. Rich soil, plenty of water
and fertilizer, and a goodly share of root-room, are the foundation of success with hydrangeas.

Farmer's Advocate " office, Lon

## Fern Balls.

Having seen a letter in the Corner
from one who signed herself " Unknown Friend," and noting her failure in the line of growing fern balls, 1 think that I can tell her a way to grow them.
The ball
The ball should first be placed in water for fifteen minutes, and
then suspended in any desired position ; repeat every two days until growth is started, after which sprinkle occasionally, as required. The any time and be set away, and started again by watering as before. Hoping that when our friend tries them again she may have better suc
cess.
E. J. M.

## A Japanese Wedding.

$\qquad$ pretty ceremony. The bride, dressed in a white silk kimono and white
veil, sits on the floor facing her affianced husband. Near them are two tables, upon one of which are two cups, a bottle of sake and a kettle with two spouts. On the
other are a miniature plum-tree typifying the mininature plum-tree miniature fir tree, representing the strength of the bridegroom, and stork stands on a tortoise, signifying long life and felicity. The bride and the two-spouted kettle in token that they will henceforth share eac other's joys and sorrows. After the wedding the bride's veil is laid away to be
dies.

Walter Scott liked to tell the story of his meeting an Irish beggar in the street, who importuned him for a sixpence. Not having one, Scott laugh : "A Now, remember, with a me sixpence." "، Osh, sure enough," said the beggar, "A and God grant you may live till I pay you!'"

The Histories of Two Boys. - rue story from the salary By H. Irving Hancock in Dec. Success. Emerson prefaced his essay on "Com-
pensation "" with the remark that he had always wanted to write upon the subject. There is a true story on com-
pensation from the salary view-point that I have always wanted to write, and now I am going to do it. The two were schoolboy friends of minery refers the facts in the case of each and can tell These two boys may be called Smith and Brown. They were graduated in the same year from the same high school. They had been chums, more or less, for moil of life in the same business house, if possible. Positions were secured in More largest dry-goods store in Bcston. assigned to work as tyoung men were hind the lace counter.

$$
\begin{aligned}
& \text { ". This isn't much of a place, } \\
& \text { marked Brown, rather dubioussly. } \\
& \text { ". 'Tis not }
\end{aligned}
$$

Smith, consolingly, ". and we're returned Smith, consolingly, "and we're getting
five dollars a week to start with. Not There were long boys the work was hard. There werved and impatient customers to be waited many As both lived some twenty minutes' walk from the store they walked home to"Pretty slow life, this !" grumbled Brow. Think of the pay we're "It's not bad for youngsters," rejoined Smith.
pay, save for noonday luncheon and laundry. Smith brought his luncheon :
Brown didn't. $\underset{\text { account. }}{\text { bidn't. }}$ Brown $\underset{\text { went }}{\text { Smith }} \underset{\text { began }}{\text { to }}$ a baink as often as he could afford the money. He soon found other pastimes, of evenings, that absorbed all his money and Naturally the two toys began to drift apart, except for that little evening walk home. Brown began to grumble at
what he termed the slowness of promowhat he termed the slowness of promo
tion. Smith, ". if we work all right," returned At the end of the first year Brown "I guess you're right. My pay has been raised a dollar a week. A fine re-
turn for hard work, isn't it? Did you ". Yes ; I've been raised to seven." Brown whistled his amazement, looked
very thoughtful for then blurted out:"That's a sample of the favoritism
that goes on in the 'business world. Whom did you get on the right side of?" "I don't know," answered Smith, and "ur I'm truth.
grumbled the other boy, and he did. in grumbled the other boy, and he did. It
was the department manager who supWas the department manager who sup-
plied the information. While both boys had done everything of a routine nature that was required of them, it had been
noted that Smith was always more anxious to please customers in all the ways possible to a salesman.
But the matter rankled in Brown's mind. He was brooding over the thing proached the lace counter and inquired for a certain make of lace.
" Sorry ; haven't briefly. In a second Smith was said Brown, side, whispering :
"Jack, you'll find it on the third
lower shelf down.". Turning down. dicated, found the wood to the shelf inand made a sale. As soon as the customer departed, the manager, who had been looking on, stepped up and asked :our goods?" I can't remember everything, sir." "s
Smith seems to be able to do so," said the department manager, as he That reme
goods struck deep in the mind on the goods struck deep in the mind of the
istening Smith. He had already a very good knowledge of the laces that he had oo sell, but he went to the department "o I would lilke your permission to cut

" What do you want of them? ."I want to take the samples home and
study them evenings. possible, to beccome so familiar every make and pattern of lace tha
could tell it by touch in the dark."
Take the samples," was the briel
reply.
After a fow weeks of patient evening
After aldew weeks of patient evening Smith discovered that he knew three
times as much about laces as he had ever expected to know. Out of his savings he bcught a powerful hand mag-
nitying glass that he carried with him nitying glass that he carried with him
daily to the store. By degrees he be the relative values of the different laces. The department manager looked on ap-
provingly and added all the information provingly and
At the end of the second year Brown's
salary remained at six dollars. Smith's pay had been i
"Favoritism ! ! $"$ sneaped to ten.
whapped Brown
wonder, Fred, why the manager can't see
anything in me. I worly as hard as
you do. in the evenings," was the quiet
"nswer. ." I spend most of my evening answer. " I spend most of my evening
uime studying the laces. Why don't you do the same? You're a good fellow, and willing. Come up to the house with you
ing. nes: $\qquad$ There was an engagenent." ${ }^{\text {goten }}$ course in chemistry. Deciding that be about the fibers of every kind of lace sold in the store, Smith decided to take
up chemistry in the hope that he could up chemistry in the hope that he could course was an elementary one, but he
applied himself with so much diligenco that the professor soon began to take an especial interest in him. Then the
young man explained what he wanted young man
most to learn.
"Stop a few minutes every evening
atter the class is dismissed," advised the after the class is dismissed," advised the professor. "Aring samples of your laces
with you and I'll see what help I can give you."
All through the winter, Smith toiled away at chemistry. He learned how to makecssible with the microscope alone. One day a lot of samples of laces came
in from abroad. Some of these the young man, after using his glass, can-
sidered spurious. He took them home that evening and applied the chemical
tests. The next morning he reported to the department manager, a successcr to
the one under whom he had first been employ
spuriou
"Why don't you mind you own busi-
ness? ", was the irritable retort: ". these samples are all right.
But Smith, saying nothing, went to the superintendent and made a state-
ment of what he had discovered. demanded the young man's superior. structing me in chemical tests of thread
هbers for several months." "I'll think this matter over," said the
superintendent, briefly. He did, even the the extent of communicating with the
professor. The result was that the new department manager was dismissed, and
Smith, after some urging, took his place, at a comparatively low beginning salar was now receiving eight dollars a week,
had begun to feel positive dislike for his more successful friend. went by. Smith
Three more years went drew forty-five dollars a week, while hi
erstwhile friend had gone up to ten The buyer for the lace department, why
had grown old and wished to retire, way about to make his last trip to Ireland Smith should go with him.
"You always have been lucky," growled Brown, when he heard the news.
"You're off for a fine trip abrcad, with going to have your salary raised?"
"Pitch in and study, Jack," whispered Smith. "I've three days yet before I
sail. Come around and I'll get you

Two months later Smith returned to ine store, stralled through it, and went
un to the lace counter. Brown stocd there, looking most disconsolate. His face brightened up, h
his friend approaching
" Fred,"" he whispered, excitedly,
guess you can do me big lavor.
been discharged. been discharged. The fellow they put in
your place has told me I'm through
Saturday. Sid Saturday. Said a man who had boen
here so long and who was only wort


The Shadow of Peter. It was only a sunny smile,
And little it cost in the giving t it scattered the night like nd made the day worth living Through life's dull warp a woof it wov
In shining colors of light and In shining colors of light and love,
And the angels smiled as they watched abore,
Yet little While visiting in England about firteen year ago, 1 heard a sermon ons words: " The Shadow of Peter." don't remember the name of the preacher, but the peculiarity of the text impressed itself on my memory It is taken from the fifth chapter of the Acts of the Apostles, and de scribes how sick people were laid on beds and couches in the streets of Jerusalem, that, at the least, " the shadow of Peter passing by might overshadow some of them." Sick people were also brought from other places, and " they were healed, every walked along, eager to Apostle who were diseased in body or soul who were diseased in body or soul shadow was falling. It was silently halping in the good work without his knowledge Is work, withou we are all in the same way unin tentionally influencing for good evil the the people we only see occasionally or even others whom we never see a all. It is a very solemn thought Chat we can't help influencing people whether we wish to or no. And influence is caused by his real char acter. He may preach virtue as practice what he preaches, his unHe can't control it, except by becom ing what he wishes to appear. N one ever knows by what trifling wor in a right or wrong direction. courages such little acts of kindnes as the giving of a cup of cold water It is wonderful how much we all ap-
preciate some little thoughtiul at preciate some little thoughtful at-
tention, when it is not done for efect, but is the natural expression of
a genuine spirit of friendliness. One of my near neighbors was ill a few
years ago, and a friend of mine, who carcely knew her at all, wrote me a co convey her sympathy to the
family. It was not much trouble to the writer, but it cheered those who were enduring the deepest anxiety far
more than a costly pift would have done, because it showed fellow-feeling and genuine fricndliness. The same
friend often writes kindly notes expressing sympathy with neightors in Once when the blinds wern drawn down the Angel of Death had visitol! there the Angel of writen words wew fer
when a visit would have been almu
ten dollars a week wasn't worth keeping. suppose, though,"'-envious " Yes. Mr. Stallman, the forelgn lace buyer, has retired, and I've been put
his place. I'm to begtn with four thou-
sand a year and travelling expenses."
Brown threw up his hands in Brown threw up hls hands in a gestu
that expressed a varitety of emotions. that expressed
" Favoritism g at the ceiling.
. It was only a kindly word, And a word that was
Yet not in vain,
For it stilled the pair
It a heart that was nearly broken. And groping blindly through mists tears coming yea or light to brighten the coming
Althcugh it was lightly spoken." Later on, when the same near neighbors were dressing a bride for her wedding, came a few dainty flowers and a tiny note of friendly congratulation. How little any of us can measure the mighty influence fittle things. Some time ago a young man left his happy home in was arrested and sent to the Sing Sing prison. He had a loving if their prayers and tears were wasted, and they probably thought hey had no influence over him. But influence work mysteriousty, and fire spark will often light a great fire
when the train is laid as it was in this case. Over the cot in that prison cell hung a picture. It only epresented a little low-roofed cot-
tage, which could hardly be expected to preach a sermon but it was the spark which lighted that criminal's heart him of another cottage in sunny Caliwho loved him; and their influence was strong enough to drag him back from his career of crime and plant his feet in the path of righteousness
and happiness. The shadow of that happy home stretched across America
and healed a soul, in prison-in more senses than one.


The gleaming of a sudden smile,
Or sudden tear.
The hush that means, I I cannot speak

## The note that only bears a verse From God's own Word':

## As ministry- The givers deeming they have shown

## Scant sympathy : - But when the heart is overwrought.

## The power of such tiny things

## It isn't usually the people " preach at us most who

making us try to do our level bes
Anight to be good is sure to insp others with the wish to be good to
We sometimes meet one of the every-day saints on
find ourselves going a new impulse towards the highe shadow, almost unknown to out selves and quite unknown to him
Sometimes it is only a glimpse of a Sometimes it is only a glimpse of a
pictured face which sets us thinking and resolving. It may be the face
of a friend, or only that of a perfect stranger, which speaks eloguently of
the Apostles Peter and John that even their enemies " took knowledge
of them that they had been with Jesus," and the can live constantly with Christ without showing

I would my friends should see of His
In my glad eyes the beauty of His face:
Should learn that in His presence Should learn
there is peace, there is peace,
Strength and antentment, that can
never cease." The smallest actions may reveal character, and it is not the action itself, but the character behind it, that influences people. A young man once folded his hands in quiet, patent surrender of his greatest earthly ambition, and that slight gesture has influenced many souls. It was not cone for effect, but was 'luite unof his complete self-renunciation. God accepted and greatly blessed tiat Many years Nuremberg had set their hearts on being artists. They worked diligentcompared pictures one day it was very plain that failure was the only word to apply to the work of Franz Knigstein. Albrecht Durer's picture was full of life and beauty, but that less. It was a great disappointment, the good Loid, bravely: "Albrecht, as this yours, but something, some homely duty, He has waiting Albrecht seized his pencil and, telling his astonished friend not to move, made a rapid sketch of the hands so patiently folded together. Franz his friend showed him the sketch, saying, "Those hands that may tainly make one. 1 have faith in friend. They will fo men's hearts in days to come." Albrecht
Durer's Hands," is still preaching eloquent sermons to those who see or even
hear of it. How little that young man thought that his unconscious gesture would influence the world. it was the noble soul within, whose souls from that day to this.
influence can't control our unconscious infuence, and yet, in one way, we
can. The surest way of healing, in-
stead of stead of harming people by it, is to
live very near to God. He can, if He will, use our smallest actions as we are thinking of the great and nad a chance should do if we only consciously carrying out God's plans for the healing of the nations in the
kitchen or the fields, as His own Son did for years in the little village God's ways are not as our ways: wo
lay down
$\qquad$
$\qquad$

The Russian-Japanese War


THE MODERN CYCLOPEDIA
eather mape: price.
N ASTOUNDING OFFER
publisherratockrer one hundred sethow of the
ciloth edition for one dollar per month for
No more will be fold at that price. Apply CLACKIE form and sample page to
\&ON. ROONEY,


Mrs. Frog and Her Children. They were a highly respectable family of frogs-in fact, quite aristo-
cratic; ${ }^{\text {well taught, and very care- }}$ cratic , weil taught, and very care-
ful in choosing their 1 riends and assodirty, ill-behaved fro There was Fathe
Mother Frog, and ten fine little frogs-brothers and sisters; and very
happy they were together happy they were together. Mrs. She took great care of her little ones They were washed and brushed till their skins fairly shone, and their faces, hands and feet were always
clean as soap and water could make them. Mother Frog taught them to behave well, to tell the truth always and to assist her in cleaning up and keeping their little house bright and a clear, sparkling stream. Now it happened that while Father Frog was away at his work (he was a very hard-working frog), a large fish, with brilliant eyes
and bright, shiny scoles bailed and bright, shiny scales, sailed up to the
from Mrs. Frog's sister, who lived down at the water-mill
"Mrs. Frog,'" said the fish, "your sister is very ill, and she wants you o come dowre as quickly as posMother Frog's tears flowed down her face, and she would have dried
hem with her handkerchief, but she did not have one. So, wiping her eyes with her paw, she called up her them : My dear children, I must leave you for a short time, but you may e sure I shall not be long. Keep near the house, be good children, and bog-you will get into trouble if you go there, but if you remain here till return all will be well with you."
She k.lssed them all round, and
then got out her canoe and paddled down to the mill, but I shall not tell you what she saw there, because I
wish you to know all about the wish you to know all about the
little frogs. little frogs. I am very sorry to say
they did not obey their mother. She had not gone far down the stream when they began to hop and skip and
shout. Hurrah ! hurrah !" they shouted. "This is really going to bo a
splendid day for us. It is the 0 arst splendid day for us. It is the flrst
time we have ever been left without mother or father to take care of us, and we are quite big enough now to take care of ourselves. This is a very
dull place, and we are tired of it and mothor is unkind to keep us here all the time. We will just run and see how the bog looks, and whether there are any children down there to romp with us.
 claimed the eldest son, "I beg not saff for little frogs to travel abroad while the sun is shining over-
head. Moonlight is the best and head. Moonlight is the best and
safest time, and mother will be so salest time, and mother ,
grieved if you disobey her.,
$\qquad$ are a stupid frog-nothing but a poor coward! Shut up, now ! Stay at home alone if you want to. We are going to have some fun, I tell
you, and before mother gets back we you, and heore mother hel
shall be here to meet her.'

So they langhod at their sensible
tiier's talk, and as they were nine to one, he could do nothing but give some angry croaks.
bog the nine set off. frog should have remained at home and kept house till his mother's roturn, but he wanted to see what the others were doing. So he went by
another road, and climbed up bank. another road, and climbed up a bank,
and saw his brothers and sistern play. Said he: "If anything frightens me, I'll leap into that reedy At some distance off a large duck
was swimming about among the reeds and grasses which were growing hours. It was a hot summer's day lea know, and she found it ver pleasant to sail slowly along on the water or rest quietly with half-shut eyes. At length the sun was setting and shadows were coming along the
bank. The duck felt it was quite supper-time, and she was really very hungry; so out of the water she came, and waddled about, looking for omething nice and fresh. beautiful, fine, fat frogs those are I shall have a delicious supper !" She waddled quickly up to them, and before they cound scream or run The poor little frog on the bank was so overcome with fright at the dreadful fate his brothers and sisters had slept a wink that night. The duck went home feeling comfortable after her nice meal, and she meant to come another day in search of more such
frogs.
Father
Frog
and Mother
Frog shini shining brightly. How desolate and
still the house looked!
No little children to run and meet them and welcome them home, as they had expected. Al was silent. After callthey told each other that it was plain something dreadful had happened, and they should never see
their dear children again. Poor Mother Frog ! she wept as though her heart would break
"If even I had one left to comfort men I shall be so lonely all day Oh, dear 1-oh dear ,", And the groat blinding tears rolled down her Fhather Frog spoke kindly to her, and told her "to cheer up," and just given up all expectation of ever see ing her children again, the one noor bedraggled littie frog came hopping in and told her the awful story.
of course, she was overioyed t. have even one of her babies safe, and after that she never went away from home until she was sure that there were no wicked ducks to make a

Lost, Stolen or Strayed.

oor hab is overcane with grier, Her tears they nearly blind her Her
hen, ah! she has a happy thought ! My doggie p'r'aps can aid me on hhow his love he oft has sought.

Go She's in this great world straying you my gratitude would gain, Ycu'll heed what I am saying
he starts off Fido with a push, Then down the bill he's flying nd there asleep beneath a bush Matilda Jane is lying

Since then Bab's always heard to say, There ne'er was dog so clever is praise she sings the livelong day 1nd loves him sigs the livelong

## A Quaint Sermon

Mr. Dodd was a minister who lived many years ago a few miles from Cambridge, and having several times ridge scholars (conscience, which is sharper than ten much offended, and thought he made teflection on them. Some little time after, Mr. Dodd was walking toward Cambridge and met some of the gownsmen, who, as some ridicule of him. As soon as he came up they accosted him with, "Your servants, sir !" He replied, Your servant, gentlemen." They asked him if he had not been preaching very much against drunkenness of
late. He answered in the afflrmative. They then told him they had a favor to beg of hlm, and it was that he would preach a sermon to them there from a text they should choose. He argued that it was an imposition, for a man ought to have some consideration rith a denial, and inslisted upon wis not put up mediately (in a hollow tree which stood by the side of the road), from the word malt.
He then began : "Beloved, let me crave your at-
tention. I am a ittle man-come at short noticeention. I am a little man - come at short notice to preach a short sermon - from a short text - to a
thin congregation - in an unworthy pulpit. into Beloved, my text is malt. I cannot divide it
It being but one; I must, therefore, of necessity, divide
it into letters, which I find in my text to be these into letters, whin is ind my text to be these lour $-\mathrm{m}-\mathrm{al-l-t}$. M is
literal, T is theological.
The moral is to teach you rustics good manners;
herefore $\mathrm{M}-\mathrm{my}$ masters, A-all of you, L-leave off T-tippling. and another is meant The thin thing is spoken of The thing meant is the spirit of malt, which your rustics make: M-your meat, A-your apparel, L-your liberty. T-your trust.
" The literal is, according to the letter: $M$-much, " The theological is according to the effect it works In some, $M$-murder ; in others, A-audacity ; in all.

exhortation: $M-$ my masters, $A-a l l$ of you, $L$-listen -" Second, by way of caution: $M-m y$ masters A-all of you, L-look for, T-the truth. ${ }^{\text {M-my masters }}$ is this : A drunkard is the annoyance of modesty the spoil of civility; the destruction of reason; the ronber's agent; the ale-houses' benefactor; his wife's
sorrow; his children's trouble : his own shame neighbor's scoff; a walking swill-bowl; the picture of a beast ; the monster of a man !"- [Penny Magazine
1832 .

## The Autumn of Life.

## some lives are like the autumn leaves

That futter softly to and fro
In every fair breeze that faintly grieves The leaves gleam richest as they In one swift burst of regal hues
They blaze with crimson and with gold hey blaze with crimson and with gold When, withering, they drop their hold

The leaves, at last, when all is done, Show us anew the days of June The golden glory of the sun
And softened luster of the The red that riots in the dawn Is mingled with the restful brown That tints the leaves ere they have gone,
While they are slowly swaying down.

Some lives are like the autumn leaves
The rose-hued memory of youth
all their acts a pattern weave In all their acts a pattern weaves
With the most precious gold of truth nd they grow fair, and fairer stillWith newer charm and grace, until These lives are perfect at the close.

Let us have peace," said the English invader. Radmen." "Ah, yes," replied the intelligent Indian " they love the very ground we walle upon."

## His First Day at School.

 She lost her little boy to-day ;Her eyes were moist and sweet And tender when he went away She stood there for the longest while And watched and watched him; then She said - and tried to force a smile -
) $b$ ber She sank into a chair And sobbed above the battered drum And trumpet lying there. The sunshine stole into the place -
It only made her sad It only made her sad With thinking of the pretty grace
His baby tresses had.

She minded all his little ways
She went to see his crib
Up in the attic : then to gaze At platter, spoon and bib,
And all the trinkets he had though So fair to look upon-
Each one of them this murmur brought My little boy has gone

She wandered through the house all day,
To come on things he'd left.
And O , she missed his romping play , she missed his romping play When he came home, with shining eyes, To tell of school's delight
With something of him motherwise
This is the pain in mothers' hearts When school days have begun ; Each knows the little boy departs, And baby days are done ;
Each mother fain would close her ears And hush the calling bell The sounding of tone she hear tho sounding of a knell.


RFLUOUS HAIR,



Princess
Complexion Purifier Makes the ostin dolikhtrally derer, pure and ditacoionsonen ourse id
Send to. expreses paidiostated
Graham Dermatological Institute,


 simply the habit, and therefore produce nat
aral speech. $\begin{aligned} & \text { om }\end{aligned}$ Write for particulars HERDSMAN WANTED.




GOSSIP

HOWDEN'S SHORTHORN SALE Breeders
horses and farmers generally who wish to bear in mind the auction sale advertised by Mr. John D. Howden, of Whitby,
Ont., to take place at his farm within half a mile of that town, on March 17th, are to te sold and 21 registered Short-
horns, including a high-class imported horns, including a high-class imported
buil and 7 young bulls of serviceable age bun and young auts of serviceable age.
These cattle are of first-class families,
and only high-class Scotch-bred bulls have been used in the herd for many years. The Clyde mares will be a very
attractive feature of this sale. The place is easy of access, and the gatherportunity to meet breeders and stockmen glen allan shorthorn sale. The catalogue of the sec.nd annual
sale of Shorthorns from the herd of Mr.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
and

Tobacco and Liquor Habiss.
$\qquad$
cossip.
"What is the meaning of ' Ex nihllo
nithil fit?" asked a Highlander of a
schoolmaster. "Weal schoolmaster. "Weel, Donald," of anliteral translation, but it just means hat ye manna tak' the broeks an Highland man."
Judge Stanchfield, of Elmiria, speaking
of literall men, tells a story of a shock he had in a case in which of a shoe we cently associated. Several witnesses had sworn there was a hole in a certain oad. Then, to the surprise of counse
the principal witness, a farmer, on whon they mainily depended to establish their case. swore there was no hole in the
road. After Mr. Stanchfield and his road. After Mr. Stanchfield and his
assoclates had recovered from their assoclates had recovered from thei
astonishment they sought to draw the witness into some explanation of the re markable testimony. What they eventually got was this:
" There wasn't any hole in the road Here's my hat. If I jam my hand into
the top of it without pushing it through it does not make a hole. It makes a dent. That's what was in that road-
just a dent." Mr. John T. Gibson, Denfield, Ont.
Importer and breeder of Shorthcr importer and breeder of Shorthcrin

cattle and Lincoln sheep, in ordering a | Change in his advertisement, writes |
| :--- |
| . | lot, all got by Imported bulls and a number if them out of imported cows have been well ralsed, but nct stuffed A number of them are got by the

Duthie-bred bull. Prime Minister
$=15280=$ and Imp. Governcr-general. I $=15280=$, and $\begin{aligned} & \text { Imp. Governcr-general. I } \\ & \text { am } \\ & \text { amicing } \\ & \text { these } \\ & \text { helfers below }\end{aligned}$ their value for the next sixty
days. The Imported bull, Golden Gift
das. ( 84421 ), that I bought at the late Hamilton sale suits me well, now I have him home. I thought him about the second best bull in the sale. I am no
expecting him to grow into a very large bull. He is built 11 ke coming to ma turity at an early age. In this fast hge, we have not patience to wal or the large ones to develop. They re
ouire both more time and more feed. This round-bullt, goodthacked, pony built young bull should well follow Imp Prime Minister and Imp. Governor-gener
al, both large bulls, and do pood work He has no noted breeder or fashionable amily to lean on, must stand on his in dividual merit, but from the following In Scottish Farmer of last month, Mr. bron, his breeder, must be breeding
some gond cattle, and Golden Gift, his sire, must be petting some good ones Mr. R. Taylor, Pitlivie, bas recently urchased from Mr. Dron, Crient
vechter, nine yearlings-six heifers and three bulls-mostly sired by Golden Gift. Among these is Golden Charm, hich alone cost £350 The Belle, icht yearlines are of exceptional style.
uality and conors. A two-year-old
 Iso purchaserf. It tonk some money to
Intice Mr. Dron to part with the last amed helfer, thit Mr. Taylor ultimately
arured her. Attention is again called to the ad
artisement of the important sale of $6 n$
head registered Ayrshire cattle an Marrhora, and it cannatly predisposed
helped, ex-
hy constanty civing drugs.
twenty grains gum ornum and (wo)

QUESTIONS AND ANSWERS.


## GOSSIP.

$\qquad$
$\qquad$
mare breeds only once in two years, 1. Mare brecds only every second year.
She is in foal now. Can I succeed in heeding her this summer? Is it well
o bleed just before breeding?
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$$
\begin{aligned}
& \text { 3. (Give best method of castrating aged } \\
& \text { ams. If one he castrated in the spring. } \\
& \text { will his flesh the good in the fall. }
\end{aligned}
$$

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


QUESTIONS AND ANSWERS. Miscellaneous.

CONCRETE VENEER
Would it be feasible to put veneer oncrete three inches thick a frame
house to rest upon two inches of stone foundation?
Ans.-Yes, A. it could be done. First put false hottom under the overhanging inch of concrete to hold it in place un-
til it becomes set. notice to quit. A rents from ${ }^{13}$ a farm for a term of
five years at the rate of $\$ 150$ per year five years at the rate of $\$ 150$ per year,
payable yearly, either party to give
six months' notice, if wishing to annul agreement. After two years expires an-
other agreement is made, doing away with either party giving said notice, to
un three years, which term expires in spring of 1904 . In october, 1903, gives A six months' notice to quit There being no writings, nothing but an
oral agreement, can A compel $B$ to oral agreement, can A compel B t
give one year's notice, as rent is payable

## trespassing

What course should I take to stop a
man opening my fence It is a near
place for watering his stock. He has place for watering his stock. He has
watered his stock for some twelve or
fourteen years in that place, and ha never put up fence in spring. Last fall, again.
Quebec
Ans.-We think you should have your
lawyer write, warning him that if he opens your fence again he will be
prosecuted for trespass, and then, if such trespasser, and have legal proceedings an unsuitable harrow of an implement company, and signed a satisfactorily. The agent saw it work and admitted it did not suit my land,
and the company was willing to , make
it anod there was no implement that I would They refused to give up the note, which
would be due next month. What should Ans.-We would not advise litigation. Better go to the company in a friendly
way, and make some arrangement of the matter.
We should think that some
mutually
satisfactory be negotiated. For instance, you might return the harrow upon the understand-
ing that you are to have another im plement, or implements, from the com-
pany instead of it at some future time, when same may be required either by yourself cr someone else whom you
might happen upon; and under the cirmight happen upon; and under the cir-
cumstances we should think that the company would be willing to extend the
time for payment of the note, without time for payment of the note, without
exacting interest in respect of such ex- PUREBRED BREEDNGCAMTR

 Wednesday, March 16 THOS. INGRAM, AUCTIONEER.

 JOHI MCCORKIWDALE, Secretary, GUELP I. M. DUFF, President, GUELPH.

SATEIE OIE TEIOIREIBE.
In connection with this sale, there will alao be a sale of 50 HigH-CLASS Horses (both
(bigh and heavy) the property of A. M. McCANNELL, Guelph, on the isth inst.


## Local agencies and complete repair stocks everywher

## DEERING HARVESTERS



## British Golumbla Farms.



 ap to Jan. gth. had nelther frost nor snow there alinoe eartlo lin Novembe

OUESTIONS AND ANSWERS. Miscellaneous.

## marking cattle.

What is the best way you know of marking cattle so that each individual be kept?
Halton Co., Ont.
Ans.-We know of no better way than by using metal ear labels, such as are used for sheep, but of larger size These, together with a punch to suit, are sup-
plied by c. H. Dana, West Lebanon, New
Hampshire Hampshire. Price for punch $\$ 1.50$; labels $\$ 3$ per 100 . The Worthington
Drug Ca, Guelph, we believe, are making arrangements to handle these goods.

## wear pias.

Sow has a litter of pigs two weeks able to walk, seemed to lose power unfore legs ; next day two more affected the same way ; are unable to suckle, because cannot stand up; are extra fine pigs, very Ans.-The sow is in SUBSCRIBER. and lacks exercise. If possible give her mone room, feed lighter, on rcots and mills in heers. Give about a half teacup of days; sive charcoal and salt. mange and thumps.

1. Mare, eight years old, with foal, has them and makes them scre in places. I think it is itch or mange. 2. Pigs, four weeks old, ailing, lost two. They breathe hard, almost like a
horse that has heaves.
W. F. Ans.-1. See prescription for mange in this and former issues in answer to questions.
ood is probercise and of variety of ood is probably the cause. Give half a

## uspe

I have half a stack of clover which the some part on account of the ice. It is in such place that it is almost impossible to haul it to the manure pile because of the high snow-drift. How would it do if I haul the clcver to the red clover and lucerne in spring? $\underset{\text { FARMER }}{ }$ Ans.-We have very much doubt if the that it would not interfere with the drill cr harrows. If you have a manure spreader that will distribute it thinly, or if you sow the grain by hand broadcast
and use a disk harrow to cover it, the and use a disk harrow to cover it, the
plan might work out all right. As a certain amount of bedding is required fcr stock during summer, it might be just as sYRUP the clo
SYRUP TRIER-CALF PROBLEMS. 1. Can you tell me what instrument is
used for telling when maple syrup is

thick enough? Also how to use it and | where could I get it, and price ? |
| :--- |
| 2 and | 2. Could a weaned calf, a month old,

be taught to suck a ccw, and would a co taught to suck a ccw, and would a
cow that calved last March allow a calt
 Ans.-1. We have never seen such an
instrument. One generally judges by the thickness of the syrup when it is suffi-
ciently boiled. $\xrightarrow[\text { 2. It should be possible in either case, }]{ }$ slthough much depends upon the dis-
position of both calf and cow, and the position of both calf and cow, and the
patience of the man behind them. If patience of the man behind them. If
the cow is unwilling, buckle a strap around her just in front of the udder, and give her some meal. Let an attendant hold the calf from backing, while you milk
into its mouth, and then place the teat water in cellar The water comes into my house cellar
in the spring. There is a small creek running within three rods of the house. Would it be possibde to keep out the
water by plastering the cellar with cement, and how thick should it be put on, or is there any other way? W . H. S. Ans.-The first thing to do would be o secure the hest passible drainage, then
iy a concrete floor, say two inches a concrete floor, say two inches
and entend the same up the walls
and collar. Then give the whole a

## Do You Like Music and Song?

Do you often wish you had some way of entertaining friends and neighbors when they come to see you?

Do the children often tire out their mother when they don't know what to do to amuse themselves?

Do the young folks have to do without a dance once in a while for want of a musician

Do you want the girls to learn all they can from master musicians on all instruments and from the voices of greatest singers?

CUT OR TEAR OFF THIS COUPON.
E. BERLINER,

Catherine St., Montreal.
Send me the book about the
Berliner Gram shone and the free list of Records made only for it, also informa tion about the easy payment plan.

Name.
Address
$\ldots \ldots \ldots$ about the musical instrument that fills all these wants-entertains young and old alike?

Do you want to know how easy it is to own one?

FILL OUT COUPON, TEAR
OFF AND MAIL IT TO US.

The Hereford cow, Rose Blossom, once sold for $\$ 5,000$, died Dec. 31 from effects of fall on the ice on S. M. Nabee's years old, and the dam of the notod
bull, Dale.

Attention is called to the advertisemen of the auction saie ect Shorthorns
on March 2nd trom the herds of N. SinClair \& Son, Cotdstream, and T. Doughas \& Sons. Strathroy, Ont., to take place
at the Sinclair farm, six. miles from Komoka, G. T. R. and C. P. P. Riles A hrom
halt.
Kozen good young bulls are included in dozen good young bulls are included in
this sale, sired by high-class scotch-
bred sires, bred sires, and from good-leeding and
good-miking families of cows. It is a goon-milining families of cows. It is a
clearimg sale of the Messrs. Sinclir ${ }^{\text {a }}$,
herd
 aflord an opportunity for good bargains.

One of the most prominent winners at the great Eastern horse hhows last tall
and witer was zot by the famous sire, and winter was got by the famous sire,
Perfection, the cld French Coach premier. which stod so long at the head of the
French Coach stud at Oaklawn Farm, French Coach stud at Oaklawn Farm,
Weanne, 1 Il. This prizewinning saddle horse was got by Perlection, out of a
mare by Mambrino King, and mmoh io expected of him this coming season.
Another colt begotten by Pertection, from a Mambrino King mare, was sold at a long price to the Mikado of Japan, and
is now doing service in the Imperial is now doing service in the Imperial
Stud in the Island Empire, where he was Naced to do his share toward improving the horse stock of the islands. Messrs. Dunham, Fletcher \& Coleman have, at Oaklawn Farm, Wayne, Ill,, just at the
present $a$ line of imported and home present a line of imported and home
bred French Coach stallions that cannot fail to do much toward increasing the supply of the elegant carriage horses, so eagerly sought for, yet so hard tor
obtain. The get of Perfection, champlon obtain. The get of Perfection, champlon
of two continents, and his matchless son, of two continents, and his matchless son,
Paladin, and oo many of the foremost sires of France, ane onfered for sale.
Percherons, too, of course of highest class, and Belpians, of colossal scale, are
in offer by this arm, a group of which are portrayed on
for their catalogue.

[^2]
## ）In It Apealk for Itnell ！ <br> Hedrite <br> CURES HEADACHE

，money refunded The Herald Remedy Co．．Montroal

## ミコエコロI』エ．

## Canada Paint

Company，Limited，
Of Montreal and Toronto，take pleasure in calling attention to be mailed upon request，if you mention where you saw this advertisement．
The demand for painting material is very marked，and has led to a flood of poor and unsat．

Our manufactures are all high－class．Each tin is warranted and our paints and varnishes are only sold through reliable and legitimate dealers．Every progressive hardware and paint merchant who is desirous of extending his business has far
The Canada Paint Company＇s ready－mixed paints are ground to impalpable fneness in special mills，and no paints
made by hand or in old style＂mizers＂can begin to compare made by hand or in old style＂mirers＂can begin to compa
with them for covering properties，uniformity and durability． To avoid vexation and disappointment，plesse see that
The Canada Paint Company＇s name is upon each The Ca
package．

Farmers＇Company＇s Red Star Binder Twine 550 FT TO THE POUND．


## Eight Thousand Small Share－ holders United．

Twelve years＇unparalleled success
Twine at about cost for the harvest of 1904. Farmers，remember your homes．
This Company is putting up a great fight for your children to establish co－operation．

Free your minds from scepticism．
Stand solidly loyal．
Hold us in competition．
The Nation is in danger from trusts．
All our twine is branded its length in accordance with law．

Fourteen binder twine seizures were made by Govern－ ment Inspector Haycock last season of so－called long twine． Bank on our 550 Red Star and you make no mistake．

Make application for farmer agency if we have not already got one in your locality．

QUESTIONS AND ANSWERS． Veterinary．
injured bull．
Bull became injured last July．The
parts appear all right now，but he will not serve． Ans．－From particulars given，I think
the bull will soon the bull will soon be all right．Nothing
can be done in the meantime． UNTHRIFTY CALF．
Calf ate too many apples last fall and
suffered from diarrhoea，and ant $\begin{array}{ll}\text { suffered } & \text { from diarrhœoa，and got run } \\ \text { down．} & \text { It got better，tut now it has }\end{array}$ got very weak，and cannot rise without
help．
$\begin{array}{ll}\text { 2．Are }\end{array}$
stables where freezes on very cold nights，too cold？
A．S．W． Ans．－1．Give the calf twenty grains
each sulphate of iron，gentian， and nux vomica，mixed with a ping of
and
new milk，three time new milk，three times daily．If he will
eat，give hall a pint finely choped eat，give hall a pint finely chopped
oats three times daily，and all the good hay he will eat．If you have milk，give ow．If he will not eat，drench him with boiled flaxseed，about a quart，four
or five times daily． 2 ．Stables abso－ lutely frost proof，provided ventilation is good，are better；but few are so in
zero weather，unless artificial heat in zero weath
provided．
OBSTRUCTION OF MULK DUCT，ETC．
1．Cow has hard lump growing in left
hind teat．It is hard to get milk，but I succeed in milking dry each time．She thing be injected into the teat to sto growth ？
2．Is bronchitis in pigs contagious？ 3．Two－year－old Yorkshire boar has always been a dainty eater．I cannot get him to eat enough to fatten．$\frac{\text { S．D．C．}}{}$ Ans．－1．It is probable the tumor will en tirely fill the duct by the time she
calves．If not，do not interfere with it，
even thcugh it takes a long time to milk．If so，the only method of treat－
ment is to get a veterinarian to ment is to get a veterinarian to operate
with a special instrument manufactured ways succeed． chitis．The pies cough，infectious bron－ cases discharge from nostrils，eat less and less and eventually die from emacia－
tion．Treatment consists in removing healthy pigs to clean gquarters，and closing
all openings in pen，and burning sulphur long as you can stard it：then open doors and windows and allow the cumes to escape．This should be re－
peated every third day for three times． The pigs inhale the fumes，and this de－ 3．This hog is congenitally of weak di－ gestive powers，and all that can be done
is to change food often，and feed a little at a time，and often．Drugs do

1．Is miscelianeous．
1．Is there a truss made to treat bog
spavin；if so，where can it be purchased， and at what price？ 2．A two－year－old 2．A two－year－old colt，weighing 1,700
lbs．，fed oats all summer，stocked in the fall and broke out in front of hocks．
fact on His sheath is swollen and urine scanty and high colored．He rubs his legs and
has a cough． 3．Mare swelled in hind fetlock，and
vent lame．She got better，but lump remained．
4．Horse has bogs in both sides of hock． Ans．－1．Yes，you can get one from
Stevens \＆Sons，Wellington Toronto．I think the price is about $\$ 8$ or $\$ 10$ ．
2．Purge
2．Purge with nine drams aloes and
two drams ginger，follow up with and cuo drams ginger，follow up with one
cunce Fowler＇s solution of arsenic，night and morning for a week；cease for a week， and repeat，etc．Feed little or no grain， and dress the legs，being sure to get the
preparation to the skin，twice daily， with one dram corrosive sublimate to two quarts water．Apply some carbo－ lated oxide of zinc ointment to the
cracks in front 3．Blister the joint in the usual man－ ner，described in answer to J．S．， elsewhere．
4．Blister same as for question No．3，
or apply truss，mentioned in No．1． Has enrolled as many students during the last
five months as it enrolled last year in ten


IT DOES NOT FOLLOW

Because farmers＇boys pursue a
conrse in business methods that they must necessarily enter farm requires boys well driled
uapon buxiness principles as well
as the offlec．

Forest City Business and Shorthand College is the leading Canadian school in busineas．
J．W．WESTERVELT．PRINOIPAL．

## ENTER ANY TIME

 For a torm in any departmentof our splendia zulunes cellage OF TORONTO Winter easion now ponen，with sixTREN
 W．H．SHAW，Principal，
YONGE \＆GERRAND STS．，TORONTO．

LEAMINGTON CBusiness college No Time Like the Present


 A．L．Brown，palmoiva
－A TM ITコロ In very uropreantod town an agant，poearit




 madinery．Good position to the rixpata，man． don，ont： PURE－BREEDING CATTLE
 hed in the WINTER MAIR Bulumaes， WEDIESDAY，IMARCH IGilh． Entries must be made with the Secretary on For entry forms and full particulars，apply to John MoCorkindale，Secretary，Guelph
For further particulars apply to the Secretary．
 DHEPRIREION SALIE In order to close up the estate the Standard． In order to close up the estate the Atandarde
bred horses and Shorthrn cattle of the Lorne
Stook Farm will be offered for sale Tlile Stock Farm will be offered
$\mathbf{D A Y}$ MARCBE 3 rd ，at the
LORNE STOCK FARM． Three miles north West Lorne，Ont．Send
 OTFIICE APSIBTANT WANTED．－Brightic
 daughter preferred．Ed．Relchenbach，Toronto．




OUESTIONS AND ANSWERS. Veterinary.

WORMS IN COLT
I have a colt, rising two years old,
that is bad with worms. What is the best treatment in such a case? W.E.P. Ans.-See this question answered on
page 214, February 11th issue. WORMS IN MARE.
Kindly state in your next issue what to give brood mare that is troubled
with worms; also yearling colt has them. Ans-A question similar to this was fully answ
page 214.

## Lame horse.

Horse has been lame eighteen months. Have not treated. Do you think firing vise me to get a veterinarian to operate, Ans. As you give wo particulars, Ans.-As you give no particulars, not
even mentioning whether he is lame before or behind, I cannot give a valuable opinion as to the probable result of fring, but I may say that neither firing
nor other treatment is a sure cure. If hor is lame fromment ringbone, spave cure, splint, If chronic sprain, etc., firing will be good
treatment. I certainly advise you to Ireatment. certainly
employ a
a employ a veterinarian, as it requires bpth sk.

## LUMP ON STIFLE.

Mare got kicked on stifle. The wound
healed, but left a lump as large as a hen's $s^{1}$ egg.
Ans.-This will be hard to remove. Blister with the following: Two drams
each biniodide of mercury and cantharides, mixed with two ounces vasetharides, mixed with hair off. Rub blister well in. Tie so that she cannot bite the
parts. In twenty-four hours, rub well parts. In twenty-four hours, rub well wash off, and apply sweet oil. Let her loose now, and oil every day. When the
scale comes off tie up and blister aqgain, scale comes off tie up and blister augain, and repeat once every month, as long as
necessary. It will be better if she be given rest during treatment.
feEding pigs-lympiangitis.
pigs be fed?
2. Mare gets lame and swells on in2. Mare gets lame and swells on in-
side of thighs, generally one leg at a H. V.
time.
Ans.-1. a few weeks, three times.
2. This is
lymphangitis, commonly 2. This is lymphangitis, commonly
called weed, a shot of grease, etc. It is called weed, a shot of grease, etc.
caused
fy want of exercise, and good
food.
Prevention consists in giving regular exercise, and when this cannot be done, withholding grain and giving bran
instead.
Treatment consists in purging instead. Treatment consists in purging
with six to eight drams alces and two drams ginger, and follow up with one
dram iodide of potash, three times dram iodide of potash, three times
daily for a week; bathing the leg long and often with warm water, and then
applying, camphnated
limiment. When applying camphnerte exercise will dissi-
lameness disappars,
pate the swelling. Repeated attacks is 4sually followed by a chronic big le
called elephantitis, for which practically hothing can be done.
tender back, and sprank
 causes him to flinch. There is no heat, but some swelling, and
pain upon pressure. She is very lame. Ans.-1. The idea that kidney trouble makes the muscles of the loins tender is
mistake. Your horse is naturally mistake. Your horse is naturaly finching is not due to disease or injury. Many horses will flinch and lick if pressed or pinched in the region of the
loins.
2. Give her rest. Clip the hair off all around the joint, and blister with two
drams each biniodide of mercury and drams each biniodide of mercury and
cantharides, unixed with two ounces aseline. Rub the blister well in. Tie
that she cannot bite the parts. In
In

THE FARMERS ADVOCATE

## PAGE METAL GATES <br> 8 foot wide, 4 foot high, including hinges and latoh..................2.75 <br> 5.75 <br> loeal dealer. <br> 208 <br> THE PAGE WIRE FENCE CO. Limited, - Walkerville, Montreal, Winnipeg, St. John

| DIEPREREION AUCTION ARHE of Maple OUfr Dalry Hord of Imported and Canadlan-bred |  |
| :---: | :---: |
|  |  |
| Also 15 choice dairy-grade oows, at the cattle barns, Exhibition Gronnds, OTTAWA, on THEUREDAK, MAROR 1Oth, 190I. |  |
| This has been considered for a nomber of years one of the best dairy herds in Eastern One <br>  application. without reserve to lime |  |
| . A. OOLE AUOTIONEER. | REID \& HINTOÓNBURG: ONT. |
| UNRESERMED AUGMONSAL |  |



SHROPSHIRES Everything sold that has been offered for
salver Am booking orders for rams and show
focks. August delivery. Write for pricoe. W. 8. CARPENTER, PAOP.. 81mOOE. -

 8 stallions and 6 mares
of this year' importation
for bale stallong got by
such noted sires as Hiasuoh noted gires as Hia
wathat Sir Kirerard, As
cot, eto. T, H, HASSARD Millbrook, Ont.


THOROUGHBRED CLYDESOALE STALLION

For onle, the Pure bred Clydeedele etaliton, Royel
Sootohman 1199 . Sire Joe Anderion, B. C. B. B Sootohman 1 Imported Keepatake. A sure otook
8710 ; dam getter, Seven yours old. Can be seen ato Doblin,
Ontario.
For pedigree and further particulaza


BAWDEN \& McDONBLI


Clydesdale, Shire and Hacknoy Herses hor rovo impation


'Ond ANINUAT, BATW of Registered Shorthorn Cattle
 THURSDAY, MARCH 17th,

1904, at 1904,
$130 \mathrm{p.m}$.
when nineteen head of choice cattle, consisting of fourteen females and flve bulls, will be sold by auction. Catalogues will be mailed on application.
CAPT. T. E. ROBSON,
S. DYMENT,


SHORTHORNS AT AUCTION
 heifer calf, 6 'bulls 6 months to 2 years old Torns. 7 mowth' crealt, on
approved joint. notes, 6 per cent. per annum off for cash. For calalogues
apply
A. MT. T. E. ROBRON, NEIL SINCLAIR \& SON, or T. DOUGLAS \& SON, STATHTHROY, ONT.
Percheron, Shira and Hackney Stallions and Mares
 gold medais shown for at New Yorke Ohio. Indiana,
Misaouri Iowe, Minneota and Wisconin State
Fairs and International at Chicago for paet four

 CORRESPONDENCE AND A VISIT om
IEW W. COCHPAN,
607 West Malin St., CRAWFORDSVILLE, IND.


International Importing Barn GLYDESOALE, SHIRE AND HACKNEY STALLIONS Last importation Nov 9th, 1903 , consisting of stallions
sired by bir
Kverard. Hiawatha, Black Prince of Laughton,
King of Kyle, Sir Thomas, Roral Carrick, Clan Chattan,



IMPORTED CLYDESDALES
I have just returned from Scotland with a fine lot of Olydesdalestallionsof great breeding and individuality. They are indeed a fine lot, and just the kind the country needs. Write for prices and description, or, better still, come and see and be convinced of what I say.



Salary or commission, $\$ 840$ a year and expenses, payable weekly, to
introduce new discovery and represent us in their district
introduce new discovery and represent us in their district, dis tributing large and small advertising matter. No experience, only
om
honesty required. Write at once for instructions.
EALUE MEDIOINAK OO. HONDON. ON'T.


Yaricocele ${ }^{\text {Ourgod to shay }}$ Hydrocele Oumed la 8 Day Mo Cutlinion Palm
momey Rof cuncoc. ancla disappears. Pain coases 1 almost instantly. Th




 Ooprospond ence Gomfidential Writo me your condition fully and you will reoolve in - Hilo Jo TILLOTSON, M. D, 255 Tillotson Buildiag, 84 Dearborn Street, CHilCACO.

## OUESTIONS AND ANSWERS. Miscellaneous.

CEMENT WATER TANK.
I intend sinking a well during the
summer, and would like to kriow if a
cement tank would prove satisfactory for

## Heart Palpitated.

FAINT ANB DIZZY SPELLS.

## Felt Wear and Neryoua.

could scarcely eat.

## Two bores of <br> MILBURN"s HEART and NERVE PILLS


whoe sho had almpat glvon ev boge

She writes: "I was so rum dowe thet I was not able to do my work, was short of breath, had a sour stomach overy might and could acarcely eat, My hetirt palm tateak and mervous ingy the time. My husband got me a box of Milburn's. Hiear and Nerve Pilla but I told him it wae ne use, that I had sivea up hope of evee being cured. Ho howwer persundod me
to talice them and beforv I hiad used hall
the boz I began to foel botter. Two bosel the box I began to foel botter. Two borel made a new woman of me and I have bee
well and have been able to do my wor ever since."
Milburs's Heart and Nerve Pille ant
go cts. boz, or 3 for $\$ 1.25$, all dealors or THE T. MILEURN EO., LIm it semente. ent
ROSEDALE STOCK FARM J. .ate gard




 thick norsees, with good feet and logs. Terme
reeaonable, and oan sell cheaper than anyine
else. Alot two Shorthorn bullo rising 2 yoers.
 NEIL SMITH, BMAMPTON, Owt DR. PAGE'S
 45


 U.A. JOHNSTON A CO, DRUEASTS 17i KINQ STREET EAST, TOROWTO. ONT.

 2.


6. H, MONGER, Lit' NuOEN: onv: FOR SALE. Ton mp arder


Local apencies and complete repair stocks every where

## MC：CORMICK HARVESTERS

## Imp．Clydesdales ins Shorthorns

3


ALEX．GALBRAITH \＆SON
BRANDON，MAN．
have on hand a magnificent collection of

## CLYDESDALES

SUFFOLKS and PERCHERONS，with a faw choice HACKNEYS and GERMAN COACHERS

Prizewinners at the Royal Show，the Highland Show，and the Interna tional．The best horses in North America at present for sale at reason－ ＂Buy stallions only from those who have a well－earned and established reputation．＂Catalogue for 1904 now ready．Address
JAMES 8MITH，Manager，Brandon，Man．

## 20－CLYDESDALES－20

We now offer for sale 20 head of Olydesdales，including fillies and mares，from one to five years old，and among them a number o prizewinners．Also a few young Clyde stalions and torth be cattle．People wanting to buy should

OAKTAWNFARM
The Greatest Importing and Breeding Establishment in the World．


Percherons，Belgians，French Coachers．
GREATEST COLLECTION EVER COT TOGETHER NOW ON HAND．


 DUNHAM，FLETCHER \＆COLEMAN，Wayne，Du pago | co．，llinnols． |
| :---: |



GOSSIP．
Wayne MacVeagh，the lawyer and diplomat，has on the outskirts of Phila－ delphia an admirable stock farm．One
day last summer some poor children were permitted to go over this farm，and when their inspection was done to each of them was given a glass of milk． The milk was excellent．It came，in
fact，from a $\$ 2,000$ cow． ＂．Well，boys，how do you like it ？＂
the farmar asked．when they had all the farmer asked，when they had all
drained their glasses．
an（iee fine，＂said one little fellow ＂．Gee ！Fine，＂said one

Messrs．Colwill Bros．，Newcastle，Ont． breeders of Shorthorns and Tamworths， in ordering a change in their advertise
ment，write：＂／We have sold the young bull calf recently advertised，to Mr．
Wilson，of Enterprise，Ont．；also a very nice smooth two－year－old heifer，which is
bred to Donald of Hillhurst，son of Imp bred to Donald of Hillhurst，son of Imp．
Joy of Morning，winner of frst prize at
We hnve also sold ior sale，and a few nice Shorthorn
heifers．We are booking orders for spring pigs，both sexes，got by three o
as good boars as can be found in Can－ as good boars as can be found
ada．Nearly all these pigs will possess the blocd of Colwill＇s Choice，our un
defeated prize boar，having won first prize in his class for five straight years
at Toronto，and all the silver medals ever offered for best Tamworth boar，any

## The fact that college staircases ar distinguished by letters and not by

 numbers is naturally somewhat puzzlingto the uninitiated，and was recently the to the uninitiated，and was recently the
cause of a curious misunderstanding at cause of a curious misunderstanding at
Cambridge，where a stranger was en－ Cambridge，where a stranger was en－
deavoring to pay a call on an under－
graduate of his acquaintance．After
trying in raing in vain for some time to find the
tryoms of his friend，he at length ap
roome or
＂．Can you tell me where I shall find
Mr．Blank ？．．he asked．
．＂Mr．Blank，sir ？Yes，sir，＂．said the

$\qquad$
$\qquad$
the value of charcoal

High Park Stock Farm Galloway Cattle． 4 cholce young bulle and heifera， 6 montho to 2 years
old，for sale．Pricee right．Come and soe． Shaw \＆Marston，p．o．mox 294．Brantford，Ont HEREFORDS．I am offering for sale 5 young R．A．LisE，willamnford P．O．，Ont． THE SUNNYBIDE HEREFORD8
 Aberdeen－Angus Bulls

 8 SHORTHORN BULLS FOR SALE
 david miline \＆son，ethel，ont Few People Know How Useful it is in Pre serving Health and Beauty
Nearly everybody knows that charcoal ant and purifier in nature，but few $r$ alize its value when taken into the hu $\operatorname{man}$ system for the same cleansing
purpose． Charccal is a remedy that the more drug at all，hut simply absorbs th ases and impurities always present in
he st．mach and intestines and－carrios hem out of the system．breath aft smoking．drinking，or after eating on ons and other odorous vegetables．
Charcoal effectually clears and proves the complexion，it whitens the mi It absorbs the injurious gases which disinfects the mouth and throat from the All druggists sell charcoal in one form or another，but probably the best chat
coal and the most for the money is in Stuart＇s Absorbent Lozenges ；they
are composed of the finest powdered
Willow charcolal．and aner harmen tiseptics in tablet form or rather in the the charcoal being mixed with honey． The daily use of these lozenges will
soon tell in a much－improved condition of the general health，better complexion， beauty of it is，that no possible harm can result from their continued use，but
cn the contrary，great benefit． A Buffalo physician in speaking of the Stuart＇s Abscrbent Lozenges to all patients suffering from gas in stomach
and bowels，und to clear the complexion and purify the breath，mouth and throat： fited by the daily use of them；they cost stores，and although in some sense a
patent and and Absorbent and boterenges than in in any of the


ADVOCATE

FEBRUARY 25， 1904


THE FARMERS ADVOCATE．

Don＇t Chide the｜Day＇s二䨋路Children．

Don＇s woold the little
ones if the bod is wot in thild＇s fault．It is suffering from a woak aess of the kidneys and bladder，and weal Kidneys neod strengthening－that＇s all．
DOAN＇S
KIDNEY PILLS
trengthen the kidneys and bladder，ther all troublo is at an ond． Mrs．E．Kidner，a London，Ont．，mother．
living at 49 Gray St．，Bays：
＂My littlo daughter，siz years old，has had woak kidnoys sinte birth．Last Feb ruary I got a box of Doan＇s Kidney Pill Strong＇s drug store．Since taking the
he has had no more kidney trouble of an she has had no more kidney trouble of an
kind． 9 I I glady make this statement be cause of the benefit，my child has receive Improved Yorkshires


Over three hundred for sale．The last three years
our herd has won ninety per oent．of the Arrat prizee at the leading showi，oompoting againg Americaa
and Canadian breederg We mave more imported
animels in our herd tben all other breedere oom



## 16 <br> Shorthorn Bulls

All pure Scotch，two imp．in dam，${ }^{7}$
from imp．sire and dam，others by imp．
sire and from Scotch dams of popular

 herd header，or cows that will produce
R．MITCHELL \＆SONS Nelson Ont ，Burlington Jct．Sta．
YOUR PLASTER CEIL－
ING is Tumbling Down


The Metal Shingle \＆Siding Co．，Limited
Wo are 18 BULLE Irom 4 to 10 months old，sired by imported Diamond
Jubilee $=88861=$ Also a few females，all ages，of FITZGERALD BROS．，Mount St．Louls，Ont Elmvale Station，G．T．R．；Hillodale Telegraph Office


The＂STAY THERE＂ Alumpum Ear Markers


SHORTHORNS \＆LEICESTERS
（Tmp．）Rnsiorucian of Ralmeny（45220）and（Imp．）
Scotland＇s Challenge head my larg herd of selected
females


## 16

Shorthorn Bulls
FOR SALE．
Bred ia the herd that produced Topeman Thd Money fuffer Lad，coropeta；also Tor Stanley，junior champion over all beef breeds nd heading three first－prize herds at World Yonge St．Trolley Cars from Union Station －
J．\＆W．RUSSELL，RIo mmovap hill
TROUT CREEK SHORTHORNS

whius Shorthorn Bulls s sint
Some imp．and some from imp．cows，
and gired by imp．bulls．Alac oovs
and heifers．New imp ortation
Arthur Johnston，Greenwood，Ont．


$\qquad$
 added：＂A An＇t this the right place？ The story is told of a French－Cana－ The story is told of a French－Cana－
dian lumberman who had spent the
winter in the woods，and who，return－ winter in the woods，and who，return－
ing to his native village in the spring of 1901，was informed by one of his ac－
quanintances that during his absence the quaintances that during his absence the
Queen had died．＂Is that so，when did
he die，and who will get his job，＂en－ he die，and who will get his job，＂，en－
quired the returned woodsman．＂Oh ！＂ said his friend，＂the Prince of Wales，
the Queen＇s son，is now the king．＂＂Well now，＂rejoined Adolph，＂＂he must have．

> ROUND MY DOOR.
（The Khan，in Toronto Telegram．）
With frost the windows glisten as I lie in bed and listen
To the wailing of the forest，and the

And a－fumbling and a－tumbling，
Of the wintry wind a－stumbling．
The wintry wind a－grumbling＇round the A－tumbling and a－tumbling， A－grumbling and a－stumbling，
A－fumbling and a－rumbling，

Round my door ：
spite of all that rudeness，the day
will come，thank goodness，
When the hurricane and rumpus will be
When on a sunny day in the welcome month of May，
The breezes will be chanting＇round miv Will be panting，sallivanting，
When the sunbeams will be slanting，
＇Round my door！
The world of snow immense is a－strad－
dling all the fences，
And I cannot see the pigpen any more：
While the snowdrifts they are bouncing The shanty fence，announcing ，
Another
door
and
－pouncing and a－founcing
Round my door ：
ut wait awhile and soon in the pleasant
month of mellow grass will bandage
every sore，
When the world＇s big hearty laughter
And shattle every rafter，very panels of my door，

will be tooting，evoluting，
When the zephyrs will be scooting
hen the zephyrs will be scooting
＇Round my do

[^3]

WHEN YOU BUILD OR REPAIR



## SHORTHORNS <br> ns.

and
ONLY THE BECET. Giikht yourg bulla and 10 heifers of the parea

 Shrophire for sall Abuab



A QUICK, SHARP CUT


i guarantien Asoor paOEAGE OF BARREN KOW CURE
 trico diay.
L. P. Selloek. Druggist. Worrisburg. Ont.
T. DOUCLAS \& SONS, Brempres Shorthorns and Clydesdales

 Queenston Heights Shorthorns
$T_{\text {wo }}$ Sootch bull calveef choice
heifers, at reasonable prices.
HUDSOM USHER, - QUEENSTON, ONT
W. G. PETTIT \& SONS Scotch Shorthorns


 Burlington Jet. Sta. Telegraph \& Telephone VALLEY HOME STOCK FARM.
S. J. PEARSON, SON \& CO., Scotch Shorthorn Cattle and Berkshire Swine

 | nd see them, or write for particulars. |
| :--- |
| C.P.R.Station. Meado and | Shorthorns 河Lincolns fitusumid



Gossip.
Kind words, espectally if they n sincerely spoken, always bring out th
best there are in good people.
Clydesdule breeders in Great Britnin have enjoyed a rich harvest in the inst
two or three years, and espectally in th last year. Durlng 1903, 411 export
certficates were issued, as against 266 1902, and 167 in 1901 . Mr. W. F. Stephen, Springtrook Farm,
Trout River, Que., sends us the and butter record of his dairy herd of
twenty-two Ayrshire cows form wenty-two Ayrshire cows from January
1st, 1903, to January 1st, 1904, show ing a total of 136,096 lbs. of milk, an
average of 6,186 lbs., the highest yield
from ane cow ming 8.129 . being 8,129 lbs, value at
$\$ 83.60$. The average
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
febbuant 25, 1901
The Robin's Nest.
Weave $M_{y}$ Nest of Odds and Ends. barbara.
Here where the pale green twilight
On snow and silent pine;
With no word but God's solitude
Between His face and mine."

- Stringer It was a grey day. There had been $n$ crimsoning gleam at sunrise, there was
no hint of sunset glory now-nothing but a grey world creeping out to mee a greyer sky. The hills to the right,
which yesterday had been wrapped in silver sheen and warm blue mist, wer ing the river a procession of nuns, grey $\begin{array}{rlr}\text { faced, } & \text { grey-robed, } & \text { grey-veiled. The } \\ \text { wold } \\ \text { alcng } & \text { which } & \text { the wagon creaked }\end{array}$ wearily was but a grey ribbon untar gling itself from wide stretches of grey "It is starting to rain," said Walter Preston, letting down the curtain of the covered wagon,
yet to cover." "A Attie rain fsant going to hurt
you,", said his wifo of three weeks', "I'm not thinking of myself." They


 length. "We seem to be wrapped up at
silence, curtained or with itt covered
iver with it. Are you ionely, Walter ?" A vigorous shake ot the head. "I
have you. Adam didn't do much pining recause there was only one person in
Eden to keep him company, and do the bossing. He wasn't dead anxious to
give a garden party, eh ?", They both laughed. What did they land cape were but sombre grey eyes
staring miserably up at a greyer sky; that the gulls Aying lonesomely home
ward were prey, the wild ducks sumimming amorg reeds and rushes were grey;
mat the rain itself was gray: that the grey land stretched itself cut so deso-
lately in the dusk it would seam that
Caty gotten it, and left it to its then iol ors.
its virgin strength, and its ewful stillness.
Here we are! !" The covered wagon
drew up at the toot of amall hall.
The man jumped out, and assisted the woman in her somewhat, $\begin{aligned} & \text { perilous descent } \\ & \text { over the front wheel. } \\ & \text { i. }\end{aligned}$ Welcome to the
 all goes well.".
She was tall, with a sortly rounded figure, The eyes she turned on her sur-
foundings were buee and very beautitul
He watched her with some anxiety. Would she regret, ever so little, leaving
home, kindred 'the friends of a lifetime, for is thoughts, she and him. As if reading Yurte only the arilchitect, remember.
fittle cornerwise." .". Why not faclng the road squarely ? "
.. There
 ne of its four windows and watch you
t your work.
Just the two of us, "Just the two of us, darling," with a
tremor in his voice. She was such a rick, this hlue-eyed wife of his. surely the sweetest sound that had ever
stirred the grass and sage. . I'm think-



 have exchanged our Inexperience for wis.
dom and our poverty for a competence., ference ou many married people enter-

THE FARMERS ADVOCATE

## Without Colds No Lung Trouble

Prevent and Cure the Colds and There WIII be no Consumption
or Pneumonla.

Did you ever hear of a case of con
sumption which. did not begin with


 Chase's Sysup of Lismeadian and Turpentine
is kept at hand as a protection agains iiseases of the lungs.
It has iong since proven its right to frst place as a cure for croup, bronchitis,
whooping cough, asthma, throat irrita tions, coughs and colds.
People who relle lurks in a neglected cold have learned to trus of the extraorainary
powers of then great melicine.
Dr. Chase's Syrup of Liuseed pentine, 25 cents a botlie e; family (three times as much), 60 cents, at
dealers, or Edmanson, Bates \& Co

To protect you against imitations th
portrait and sifgature of Dr Portrait and signature of Dr. A. W
Chase, the famous recipe-book author
bpeotal offering JERSEYS

Ror the ent 60 dayq; heary-milking
straine. Write for particulars to W. W. EVERITT,



Brookbank Holsteins


OEO. REIOE,
HOLSTEIN BULLS

Lyndale Holsteins



BROWN BROS., Lyn, Ont
HOLSTEINS AND TAMWORTHS
 mos. old. Write or call and see the st
quiries promply anweredioskin,
BERTRAM HiOn Grafton 8 ta, $\mathbb{G}$. T. R. The © ully $\mathbb{P}$, 0




## Riverside Holstions



a



Manio Stock Famm
 AYRSHIRE BULLS Wamani bubl





SPRIIIG BROOK AYRSHIRES $\begin{gathered}\text { aro brod } \\ \text { for }\end{gathered}$



DAVIID A. MCFARLANE, roung toook for Froung ettod for med trou limp.
SUNNYSIDE AYRSHIRES

 Ho mean itor nothng umare haven.

 would reman tho perecet thing it it was "I dorit suppose Erue broko in oi
 that, bot set the coal cil stove gologs
 salp."
Whition ano tried the ham, and mato the

 zamo as ato prearared the supper. Theo ant bish hate what ot that tanem, ateer


 Might an well begin rigtt, en ?" ho


 Lorr is my shopherad I Ihall not vart:




 mas very near to baver, and it bor









 Wat timo phow, thop purt tace sumed Uir you tein nerouou ot to dark and . Put out then inhit and come to oop,
 , in the gramen
Wiriout-a dark, wirio worta, and
 atrary marchese on on tho cuncan counis

wonder happoneses
the yar. Tomomerat what proping to to two men and hor oasel wasona troin Extonton, but tomenget whey bead thail

It in a day in Augath, ten yoars hator













## AYRSHIRES

WATSON OGILVIE,

## 




ROBERT HUNTER, Manager.


The Robin's Nest.-Continued. harvest dawn! There is a golden glory in the heavens above, a golden
glory in the earth below, as though God, glith in the earth below, as though gently throw upon a golden world a golden dey. In the big white house on the hill sits
Barbara, but not the Barbara of old This one has no roses in her cheeks, no laughter in her lips. She is pale as the
lace at her neck, and her eyes are bitter. lace at her neck, and her eyes are bitter.
She is writing a letter, a letter ending " I'm tired of it all, and I'm going
home. Ycu're grown to care for nothing but land and money. We have had no real lifo for years. Once you had time
to think of higher things than riches to think cf higher things than riches before this awful greed hardened you heart, and made you what you are-a a husband who has lost his love for wife hope of winning you back. Disappoihtment, heartache, the monotomy of the
ife is killing me. It heeven hed seen fit to spare me my children, I could have borne anything, but I'm alone, an
suffering. I'm going home. You will not miss me ; home means as little to you as love, or religion, any mor
She puts that good-bye down withou a tear. Truly she is changed. She he beauty of the golden day. Walter business man, with many interests. As leadidg member of a firm of grain-buyers
be is engrossed night and day. The clang of reapers fills the air. His behind the big new house stands th little old one, and she takes her way to the place unchanged ; here is the kee tained corner, there the shelves in the is beside this box she pauses. From she takes, first ci all, the fat diary
book, full of records of their early days arried life, and begins to turn ove the leaves listlessly.
-/ Our house is co actly as large as my study at home. know. because I've the study carpe
down, and it covers the floor beautifull The bedroom is curtained off with What I call an emergency bed $\begin{gathered}\text { bides } \\ \text { under the rafters. }\end{gathered}$ When the too bad for the hired man to sleap in is rickety, and often thold my breath for fear he and his snores and the emergency papered our walls with startling groups Srom the 'Lady's Pictorial,' scenes from
Shakespeare, and portraits from 'Men Shakespeare, and portraits from 'Men
and Women of the Century.' $\begin{gathered}\text { The } \\ \text { artistic combination lends quite as air }\end{gathered}$ lar seem struck with it. saying farewell to drawing-room, dining in the middle of this door, open my



 Dorkshres alishlires alio Oond.onime in pairs not akinn now SIX AYREHIRE | BULLE |
| :---: | deep-milling dams, and sirrod bi bombrond

Heir of Glenora (11906). Cheap if sold before cor send for oatalogue a
J. G. OL, ARE,

Woodroifo D. and S. Farm, Ottawa. for Salo at spraie bupk stock pail

 $\qquad$
"THE HUME FARM."

 IMPORTED ANO HOME-BRED
A YR S HIRES The aroraso butur fat tat of this herd Robt, Huntor \& Sons, Maxvills, Ont. AYRSHIRE CATTLE E. POMOK FOWL ind J. YUILL \& SONS.

A YRRAHIRE BuIIE. Two Aftor servioe two Maroh cal
and a fow August, 1903, calvea.
 HIGH-OLA88 AYR8HIRE OATTLE

 "Glenhurat" Willitustown, Ont. PHIIEWINNIN日, AYRSHIRES
4 imported bulls in Soctland head the herd of 75 head. Win nings for 1903 at Toronto and Ottawa: Th
gold medaland t frot prize herros; 3 prize in in
all-18 firsts, 6 secondis, 5 thirds, 9 fourths. In
 and teats is our aim. Young bulls, and
for sale. Price and partioulars, apply to
JAB. 1 BUN ICN, Mana


## W. W. GHIPMANI

## Seeretary of the National Sheop Breed- ors' Assoelation,

Secrotary of the Kent or Romney Marsh
and late Soerratary of tho Southdown Pedigree Live Stoelk Agent Kportop and hippor. Ally soleetod and exported on eamnission;
inswered.
ddress: MTOWBRAY HOUSE, MORTOTK ST LONDON, W. C., ENGLAND.
Cables-Sheepeote. London.
Pennabank SHROPSHIRES and SHORTHORNS A number of extra good and well-covered yearling:
of both sexes, sired bv imp. Rud yard ram. Also two extra nice young bulls. Prices reasonable. om
HUGH PUGH. WHTEVALE, ONT. SPFCIAL SALE OF SHROPSHIRE SHEEP. and 8 ram lambs out of imported ewes ; allooa
few imported ewes and ewe lambs. Pricoe


## Holwell Manop Farm

y shearring rams ; twenty shearling Wenty-five ram lambs ; also twenty Chatroold ewams


## FOR SALE, from the Pioneer Herd of the Pror salis, from the Ploneer Herd of the Provinee Quebeo, both sexes and all ages Satiefation  Railroad stations: $\left\{\begin{array}{l}\text { Athelstan, N. Y. C. } \\ \text { Huntingdon, G. T. R. }\end{array}\right.$ A. AdILIM 0 <br> TAMWORTHS

 30 head from 2 to 5 mos- old, registered.Write for particulars and prices.

FOR SALE-Ohio Improved Cheoter Whites, the


 ENGLISH BERKSHIRTS


 ppodilty. Wo pey exproo oh alg bot boup wition
 Yortstiries, Collies and Poultry




mideume roicsios OF Lafge Eliglisin IURNDilits


 T. J. Cole Be Box 188, Bowmanville, ont PINE GROVE FARM, Hipri
 Mon whowdind baw id



LaRGE ENGLISH YORKSHIRES

 | mition, 190 |
| :--- |

GLEIHOLM HERD OF TAMWORTHS

 Nempadye Tamvorths \& Shorthorns
 Boar, "Colwill's Choice" 1343. We are also beok
ing orders for March and April Piere, the choirest of
breeding. We also offer tor


lost everything, the company has gon to the wall, and my wealth with
Can you bear to begin over agein? Can you boar to begin over again?"
"Listen," it is the old Barbara speak ing. "I long to go back to the old
days of peace, and prayer, and poverty I onys want my husband, the Walte that
away way a long whille ago
". He has come back
Barbara." He is pale, but exultant The soul of him, strong, repentant humble, faces her "O Yes, he he
tremulousty. \& What do we care for poverty?
" Nothing. 'The Lord is my Shop-
herd, I shall not want." I know the herd, I shant not want. know the on my knees last night," he cried.
With his arm stlll about her they go
out into the golden day, and stand silen Ior a while. were yours but yosterday?" she asks. "I'm thinking how blue your eyes are and how I love you, that's a
-[Jean Blewett, in Toronto News.

## GOSSIP

The one who does not feel glad when he hears a kind word said of himself or hi work
time.

While a young recruft was on his ifa sentry duty, a comrade brought him sandwich. He was about to eat it when the major appeared, and the sentry wa
too busy to salute. " What's that?" asked the major. "A sandwich," re
plied the recruit. "Have a bite?" Do you know me ?" asked the major
Don't know you from a crow. Per haps you're the major's coachy."' "/ No
I'm not." ." His groom, perhaps." " No rry again." "Perhaps the old cha
himself ?" "Might this time," said the
major. "Oh
 the sandwich while I present arm

A writer in an English exchange ro breeding, a Shorthorn helfer, at aeve months, having been served by a bull er producing a hall monthe old, the hel sixteen months old. Instances have bee known of Jersey heifers glving birth to service must have taken place when the heifer was but five months old. Suc ment of the owners, as they indicat carelessness and indifference, if not crue ty, for it is dangerous and degenerating
to allow such young things to be subject o allow such young things to be subject
o the stress of maternity.
R. C. writes: "' To kill lice on cattle in two quarts of warm water for abou twenty-four hours, wash the affecte
parts at night, and in the morning there won't be a living louse on them. Som time ago the question was asked regar
ing the retention of the afterbirth. part of the answer was, give lukewarm water to drink for about three weeks
after calving. A number of years ago We did that very same thing, and ha
endless trouble, and we just reversed
$\qquad$ weather is, and we never had any trouble
since. And they are no scrub cows bought for $\$ 100$."
bulls fattened on meat
A writer in an English exchange state establishment where not only old boar and sows, but also old and thin bulls,
are purchased and fattened on meat, soup and gravy made from the onal from gaining in many instances two to thr sounds per day. The young porkers ar boars and sows are used for chopping casses find their way to the butchers casses
etalle.

# ICAN Gile You Strengith 



Now that it is generally conceded that "Electricity is the Basis of Life" you should give some credit to the theory of my teachings.

It has been demonstrated that Electricity is the most natural of all remedies for the cure of the ailments which afflict the human body. Every physician of modern ideas is an advocate of electrical treatment, and concedes that it stands far above alt medical agents, especially when applied to diseases relating to the nervous system. This is a practical admission of the power of electricity over the nerves and vital organs, hence it must be evident to a thinking person that a means of intelligently applying this wonderful agent should be the greatest boon to suffering humanity.
Twenty years of close association with men and appliances devoted to the cure of human ills with electricity is the foundation from which Dr. McLaughlin's improved methods have sprung. Twenty years of study, of practical experience in the treatment of all the faults that have existed in the methods brought forth all the virtues and exposed號 modern methods of electro medical treatment os Dr. mractical syatem of self-treatment which mult prod Molagh hae been, to dovelop a practical When wo the
When we consider that our nervous system, which is the fountain of life to the kidneys, liver, stomach, brain and the various organic functions of the body, depends for its possible to keep up a normal condition of health in the that without this a waste of this life principle will be followed by weakness and disease and it is also easy to understand why the natural restoration of this will saturate the various vital organs which have become weatened with a which will place every vital part of the body in a state of natural health.

You read in the papers every day of prominent people dying suddenly, and the phy:sicians decide that the cause was "heart failure." Does anybody know what that means? What made the heart fail? The heart never fails without a reason. Find that reason and you will find the actual cause of death. I say it is, nine times out of ten, exhaustion of vitality. The heart stops beating because the power which runs it is shut off. Thet power is vital energy, which is nerve force,

I believe in finding the cause of all such troubles and removing it. If it is in the stomach, I restore the power there ; if in the nerve system, I build up the nerve force; in the kidneys, the blood or the organs of generation, I find the cause and supply to the body the needed help, and after I have removed the cause Nature will cure the diserse.
Too many paysicians make the mistake of treating the condition and overlooking the cause. If a heart is weak they stimulate it with drugs, when they ought to devote the treatment to building up the stomach, which is the real cause of the heart failure. Every time the heart is stimulated by a drug its vitality is strained, and one day it will simply stop short.

READ THE TOLLOWING EKTRACTS AS EVIDENCE OF MY CURES:






$\qquad$
No man should suffer the logs of wo use ith Jouk Nemivo virien, Mima become less a man than nature intended him his back, a dull ache in his muscles or joints, "come and go" pains in his shoulders, chest and side, Sciatica in wis pains in bago, Rheumatism or any ache or pain, and my Belt will pour the Oil of Life into his aching body and drive out every sign of pain. No pain can exist where my belt is worn.

## PAY <br> ONLY <br> WHEN <br> CURED.

You run no risk, as I guarantee every case I undertake. Failure to cure costs you nothing, as I take all the chances. All I ask is that you give Ine evidence of your honesty and good
Belt and wear it. It speaks for itself. CAUTION. - Don't be mislead by concerns offering you something in the form of an electric appliance for a few dollars. You may get a
Belt, but in name only. No reliable business man will advertise a good article for nothing. Such an offer is merely a catch. The best is none too
good when you want a cure. This we guarantee to give you. good when you want a cure. This we guarantee to give you.
SPECIAL NOTICE. - Electricity properly supplied
receives the special attention of a practical physician, who has made lifo stud upon intelligent application. Special personal instructions for the use of every Belt are sent with it, and my advice given you from time to time an
und your case requires, uutil a cure is fully established.
great value to anyone: it contains a lot of useful inform beautiful illustrated book, giving you cuts of my Belts and prices. This little book in of this book closely sealed free to anyone. I have a book for women as well as men.
 to 6 P. M. ; Wednesday
Saturday till 8.30 P.M.

DR. M. S. McLAUGHLIN,
TORONTO, CAN.


Weple Sugar Makers
 OHAMPION FRUIT EVAPORATOR. The Grimm Mentacturing Go. s4 WELLMOTON BT., MONTHEAL.


WHEN YOU BUILD
A NEW BARN

 The Metal Shingle \& Siding Co., LImited matism Cured.
Rheumatism Cured.


Are they stocking? Are their coats rough? Are they in bad shape generally? They have indigestion.

Carberry, Man., August 19th, 1900
Dear Sir-We have triod yourrs.ock Food on our own drivers.

CARNEFAC STOCK FOOD CO.,Winnipeg
G6 FRONT STREET $\operatorname{mast,~TORONTO.~}$


No. 10-Rubber top Buggy Price \$54

## Buy at First Hand. ten years sellina direct

 We are the only manufacturers of VEHIOLEs and have boan doing businoess in this wo ton yours. WE

international Carriage Co., briahton, ont.


SAVE 20 CENTS PER SHEEP on oory ahnoip Stewart's Improved 1904 PRICR




Joseph Rodgers \& Sons
SHEFFIELD, ENGLAND.
Please see that thit wiact mark is on each James Hutton \& Co:, Montreal, sole in canents.

## 


Is made in the factorp by skillod workmen on
the most modern and up to dato mactinury
 Tho H. Ro LAMB FENCE CO. , Limited LONDON. ONT.


## WHY RUPTURED? <br> You can be Cured at Home, Withe out Pain, Danger and No Lose too Bad or of too Long Standing <br>   dangerous rupture end losi no time from wark. Valuable Bos Valuable Book, telling how all rupures an and and Mothod post-paid, rexe po suffer

BISSELL'S STEEL ROLLER.

T. E. BISSELL, Dept, W, Elora, Ont.


LAIDLAW PRODUCE CONPANY Specialties:
Butter, Eggs, Potatoos,
Dressed Pouitry

$$
\begin{gathered}
\text { Correspondence Invited. TORONTO. } \\
\mathbf{0}
\end{gathered}
$$

Barred Rocks - We bave a fow eoterels
share bate. Good in efiee and shape, medium to light in color. Prioe, \$1.2
each; 2 or more, \$1 each No more diads th A.EG•EHERRIRINGTON Importer and
breeder of BARRED ROCKS exclusively. Breeding hens, pulletes and oocterola for
sale Writelor prices. Box 100 , Walkertom, Ont. MAMMOTH BRONZE TURERES, heavy stock birds, sired by imported tome tom
 The Daniels Incubators Are of the 20th
$\begin{gathered}\text { century make, right } \\ \text { up to date. }\end{gathered}$ Our 50-EGG CYCLE
INGUBATOR
 is the worder of the age. Perfoct ventilation
and operation. WV have ar $10-\mathrm{egg}$ machine
\$12. We make 7 sizes. Used and enderged in
 Stations and Colleges. Just drop a poston card.
Our new catalogue in free, and tells you all
about us ndo our goods. O. J. DATIEIE


[^0]:    As I am just a new subscriber to the "Farm-
    cr's Advocate"' I wish to express my appreciation
    for wour raper, which far exceeds my anticipahich ticles exceeds articles are so practical and
    issue seems to contain just
    $\qquad$
    my neighbors, a
    paper is a
    the climax
    he climax.".

[^1]:    FARM

[^2]:    In answering the advertisement on this page, kindly mention the FARMER'S ADVOCATE.

[^3]:    In answering any advertisement on this page，kindly mention the FARMER＇S ADVOCATE．

