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210

15 March, 1905



# Che Farming World Devoted to Country Life in Canada

- The Farming World is a paper for farmers and stockmen, devoted to country life in Canada, published on the lat and 15th of each month, with illustrations.
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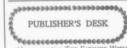
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#### Always mention THE FARMING WORLD when writing to advertisers, please,

.18

We beg to thank the numerous subscribers who complied with our request to send us copies of our issue of 15th June, 1904. We have a great many more now than we need.

.12

A Chance for the Small Poultry Raiser Many people raise poultry without endeavoring to make it a business. If prices are any criterion there is every prices are any criterion there is every incentive to increase the flock and the profit. George H. Stahl, of Quincy, III, the old-time incubator maufacturer, has sold hundreds of his famous 200-egg hatchers to people who are making good money with them. Of source some do not succeed his work of the other of the source of the the worden Hen all elements of risk are avoided, as it is guaranteed to hatch every fertile egg, and the price, \$23.20, is within the reach of everyone.

egg, and the price, \$12.80, is within the reach of everyone. The poultry raiser must always use care and judgment, and where this is done Stahl's Wooden Hen will prove

done Stahl's Wooden rien will prove a valuable assistant as a money maker. The Stahl incubators have been on the market for years, and users highly re-commend them. Mr. Stahl issues a very attractive, interesting book on poultry raising, which is sent free to all who ask for it, and may prove the means of adding materially to the readers' income.

### 38

A number of complaints are reaching this office that THE FARMING WORLD is not coming regularly.

matter up.

We want every subscriber to get every

issue, and shall esteem it a favor if any reader who misses a copy will inform us by post card, so that we may take the

#### Spring for Study

Splendid opportunity is afforded for study during the spring months by the Central Business College, Toronto, whose card appears in our advertising columns this month. Read it.

#### What He Might Have Done

"See here, young man," said the min-ister, "you never paid me that fee for marrying you." "You're mighty lucky I haven't sued you for damages."—From Tit-Bits.



#### THE FARMING WORLD

212



BLE OF CONTENTS
Farm Help Higher 213
nber
in Sheep
Records 'Attract Attention
d States
to Horsebreeding213
ruction Work
Cheese-making Advances214
Notes
Seed Corn
e Seed Fairs215
crease Manure Supply216
r Legumes
alves for Milk or Beef216
iteers Tied or Loose216
Breeds of Sheep217
Hogs

in Unite

onics for Hogs
onics for Hogs       217         lorses' Feet in Winter       218         The Horse's Leg       218         pring Care of Sow       218         ave the Wood Ashes       218         English Shire Horse Show       219         210       210
"he Horse's Leg
pring Care of Sow
ave the Wood Ashes
Inglish Shire Horse Show 219
Manting Apole Trees 910
View Con Long Cools Stamped Out 900
vant San Jose Scale Stamped Out 220
Anting Apple Trees
Janitoba Breeders
Vinnipeg Fair
Preparing for Dominion Fair221
ive Stock Judging Schools
Manitoba Dairymen
Western Dairymen Name Instruc-
A estern Danymen Mane Instruc-
tors
A Cow of Filty Years Ago
The Ottawa Winter Fair
Don't Make Fodder Cheese
The Farm Separator Pays224
Care of Milk in Winter
Care of Milk in Winter
THE HOME WORLD-
THE HOME WORLD-
The Songs of Earth
The Songs of Earth
General
Two Nights on a Snowbound
Train
Train
"Clean"
"Clean"
In the Kitchen
In the Kitchen
Sunday at Home
In the Sewing Room
Health in the Home232
The Farm Garden233
Growing Asparagus
Growing Onions for Pickling 233
An Ideal House Plant
Detete Vield in England 024
Potato Yield in England
Fruning Tomatoes
Crop Rotation
Grand Trunk Pacific Bonds
How the Money is Employed235
New Banks235
Growing Tobacco
Payment for Son's Work 236
To Ouit a Losso 236
A Dump for Ashes
A Dump for Asies
Portable Grain Holder
Self-feeder for Poultry
Build an Implement Shed237
Shell and Grit Box237
Strength of Steel Wire
The Chicken Crop
The Chicken Crop
Cool For Deserd 200
Good Egg Record
Froducing Lggs in winter
Farming World Man on the Wing239
Judges at Horse Show
Clydesdales for Canada
Ph. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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# The Farming World

#### VOL. XXIV

## TORONTO, 15 MARCH, 1905

No. 6

### Wages for Farm Help Higher

THE most serious problem that has confronted the Canadian farmer in recent years is that of farm help. While conditions have improved somewhat during the past year or two, a scarcity still exists, and every spring sees farmers scurrying around to secure help for the busy summer season.

When this help scarcity became a reality a few years back it was the opinion of many farmers that it was only for a short time and that a year or two at most would see an adequate supply forthcoming at reasonable wages. But each succeeding year has brought no material change in the situation. Good experienced farm help is just as scarce as it ever was, and present indications are that it will continue to be so for some time to come. Consequently many farmers are becoming resigned to the situation and are adopting such measures in engaging help as will secure more permanency and greater effciency in the work obtained. More are engaging men by the year instead of for the busy season only. Then more married men are being engaged, and homes supplied for them and their families. All this has a tendency to hold help for a longer period and does away with the necessity of looking for men every spring.

We have already stated that the situation has improved somewhat the past year or two. That improvement has been almost entirely due to the work of the Ontario Colonization Department, which, under the direction of Mr. Thos. Southworth, has been instrumental in bringing in thousands of old country laborers, who have relieved the situation very much indeed. In fact, had it not been for this source of supply, there would have been a famine in help by this time, instead of a scarcity, and real suffering would have resulted on many a farm. The Colonization Department, if it had done nothing more than this, would have fully justified its existence and amply repaid for the money it has cost the people of Ontario. But, in addition to supplying help, it has been effective in filling up New Ontario, and bringing in many thousands of desirable settlers. In 1900 3,000 immigrants came to Ontario, while in 1904 the number was over 25,000.

In 1904 between 5,000 and 6,000 British laborers were placed upon Ontario farms through the efforts of this department. Only a small percentage of these were experienced help. The great bulk were inexperienced men, but willing to work on Canadian farms in order to learn the business. It is encouraging to know that the English laborer who comes to this country thinks it more degrading to clerk in a store than to work on a farm. According to his view he can do the noot menial work on a farm and yet lose none of his social prestige. It would be a good thing for this country if more young Canadians had similar convictions, though a growing change for the better is noticeable in this regard even among our own people, and farming has advanced a peg or two upward socially. May it continue to climb.

Mr. Southworth states that farmers this spring are willing to pay higher wages for anitable men. In fact, this has become a necessity if men are to be had at all. Wagrs this season range from \$100 to \$140 per year and board for inexperienced men, men able and willing to work, and \$15 to \$20 per month, or \$175 to \$200 per year and board for experienced help. An experienced married man with a family will get a tice house, an are or two

# DAIRY NUMBER

Every farmer is more or less interested in diariying. If he does not supply milk to a cheese factory or creamery, butter is made on his farm. Therefore, information of a practical nature on this subject should appeal to him directly. The annual dairy number of TME FARMING WORLD, to be issued on May 1st, will contain a fund of practical information of value to every farmer. Several new and important features will also be well and suitably illustrated.

Advertisers will find this number of special value in reaching a good class of customers. 'Applications for space should be made early.

#### ملدك ملادك وللدك وللدك علادك علادك وللدك وللد

for a garden, milk, fuel, and fruit, and from \$240 to \$300 for a yearly engagement. Of course, this does not include the man's board. These prices are higher than many farmers have been accustomed to pay. But seemingly they cannot remedy matters and are compelled to pay a sufficient wage to induce help to work on farms rather than at other occupations.

#### ال

#### The Boom in Sheep

The sheep boom has arrived. Breeders report a very active demand for breeding stock. What is somewhat unusual about this demand is that it comes from the Canadian farmer, who for the past few years has been reported to be giving up sheep raising. But a reaction has evidently set in and farmers everywhere are endeavoring to get into sheep raising as quickly as possible. It is a good thing for the country that it is so. There is no more profitable animal for the farmer to raise than the sheep. The wool outlook seems to be favorable for good prices the coming season. At the moment there is a slight lull in the market, a not unusual occurrence at this season, as buyers are getting ready for the new clip, and want it to come forward under conditions as favorable to themselves as possible. Supplies of domestic wools, both here and to the south of the line, are pretty well cleaned up, and the new clip will likely find a market practically bare of good stock. Wool should, therefore, bring good money, though the producer should not look for too high a figure.

On the whole, the sheep situation in this country has not been as favorable for many years. Sheep, lambs and wool sell at good prices, and there should be good profit in the business for the grower.

#### National Records Attract Attention in U. S.

The decision of Canadian breeders to nationalize their records has already attracted attention in the United States. The Live Stock Journal of Chicago, in its last issue, gives liberal extracts from Live Stock Commissioner Hodson's address, as published in THE FAMING WORLD of Feb. 15th. On the question of nationalizing the records it says:

\* "We would be glad to see government supervision of our American stud books, herd books and records. The mere government recognition is of no consequence.

"Our breeders' associations could as readily secure half-rates for pedigree stock as the Canadian breeders' associations, but entry fees is the only ambition, object and purpose of our stud books. Whether the animals are true to type, or however unsound, they gladly record them for the entry fees."

Evidently some Americans are not running over with enthusiasm in regard to the way their live stock records are managed. Canadian breeders know that more than one of their record associations exists for no other purpose than to secure a fee, and a very big fee at that. National records here may induce our American friends to do better in the future, and to be a little more reasonable towards their northern neighbor in the recognition or records.

# 38

#### Assistance to Horse Breeding

At the horse breeders' banquet in this city several weeks ago it was announced that the new government in Ontario was prepared to do something substantial towards improving horse breeding. What policy it will adopt in promoting this end has not yet been made known. It is, perhaps, a little too soon to ex-

#### Dairy Instruction Work

During the past two weeks deputations from the Eastern and Western Dairymen's Associations have writed upon the Hon. Mr. Monteith, Minister of Agriculture, and discussed with him the instruction work to be carried on during the coming season. Both deputations asked that the number of instructors be increased. There are twenty-two employed in Eastern Ontario and ten in Western Ontario. The Minister was favorably impressed with the views expressed and a further increase in the work of instruction may be expected.

Two requests, preferred by the Eastern delegation, seem somewhat contradictory. They asked that their chief, instructor, Mr. G. G. Publow, be allowed greater freedom in dealing with questions arising in his district instead of having to submit a number of them to the department. They also expressed a desire to have the work of instruction and the collection of the fees taken over entirely by the department and that the association be left with a substantial grant to carry on educational work by holding meetings.

These two requests hardly harmonize. But be that as it may, the Minister of Agriculture is held reaponsible for the monies expended by his department and .nust of necessity maintain some supervision over the work. In the past considerable freedom has been allowed the associations, and the instructors in prosecuting their work, and this is likely to continue for a time at least under the the new administration so long as the work is efficiently and well done.

The request that the association be relieved of all responsibility in connection with the work of instruction is worthy of consideration. If the department were held directly responsible for the work of instruction in the factories it might work to the advantage of the industry in many ways. Of course, an arrangement of this kind would have to be carried out in the west as well as in the east. For the present, however, we do not anticipate any changes of this kind for the coming season, and the work will likely be continued as in the past, the department and the association co-operating in promoting the work of instruction. 32

#### Price of Cheese-Making Advances

At a meeting of cheese manufacturers in Stormont County the other day it was decided to raise the price for manufacturing cheese from 1 to 15%c, per lb, exclusive of hauling. A little advance along this line is to be expected. Wages, boxes and nearly everything used in manufacturing cheese have advanced 10 to 15 per cent. during the past few years, and it is only reasonable that a slightly increased charge for manufacturing should be made. The advance asked for by the manufacturers is not out of the way, and should meet with little opposition from milk producers.

This gathering of cheese manufacturers to fix upon a price is the first

of its kind, to our knowledge, ever held in Canada. Heretofore there has been so much jealousy shown between manufacturers, and makers also, that the patron has to a large extent had it all his own way. Because of this competition and senseless rivalry the price for making has been brought to a very low level, so low, in fact, that there has been no profit in the business, factory buildings and equipment have been allowed to get badly out of repair and the furnishings used to become of an inferior kind. Therefore, so long as the manufacturer is reasonable in his request, and does not attempt to take undue advantage of the patron, the latter should welcome a change that should mean better factories, better equipment and better service.

# EDITORIAL NOTES

President Creelman reports that already thirty-two Farmers' Institute excursions to the College have been arranged for for next June. The total number last year was about forty, which is likely to be exceeded this year.

The Swift Company of Chicago, who a year or two ago bought out the Fowler packing establishment, of Hamilton, Ont., have decided to greatly increase the capacity of the plant and to kill a larger number of both hogs and cattle and sheep. This may be the thin edge of the wedge in the establishment of the dressed meat trade in this country on a large sele.

Elsewhere we refer to the decision of some cheese manufacturers to raise the price for making cheese. The gardeners of Ontario have recently organized. At a recent meeting they decided to advance the price of tomatoes to canners from 26.c. to 30c per bushel. Some canning factorise have stated that they will shut down if this decision is adhered to. The gardeners also decided to grow no plants for sale to any person not a member of the association. But they had better try one thing at time.

Canada's wheat exports show a decline, and British politicians have made a note of the fact in their eagerness to seize upon any circumstance that might be used as an argument against a preference for Canadian products. But the decline in our wheat exports is only a temporary one. They are bound to increase, as the great prairie lands of the west come into cultivation.

# Argentine Students at O.A.C.

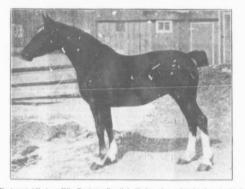
The Argentine Government has lately decided to repeat the work started five years ago, and has made appropriations for sending forty young men abroad to study agricultural and industrial conditions and methods. Twenty are to go to Europe, and twenty to North America. The one special condition is that no more than two shall go to any one university, with this exception: that more than two, but not more than six, may attend the Agricultural College at Guelph. These young men arc, during full fees for outsiders, and have to board in town. The College is willing to allow them to receive instruction, but no Ontario students are thereby excluded.

pect any definite pronouncement on the subject. And yet the season is here when farmers are most interested in what to breed and where the best stock for breeding purposes can be procured.

Whether anything special is to be done or not we believe it to be in the best interests of the business that a strong deputation of those interested in horse breeding, especially from the farmers' standpoint, should meet Premier Whitney or the Hon. Mr. Monteith at an early date and discuss the question with them. Already the fruit growers and the dairymen have sent deputations to lay before the Minister of Agriculture the claims of their respective industries. Why should not the horse breeders do so? Their industry is of as much importance to the country as either of the other two. Besides, there is a possibility that that element among horsemen which is more concerned in promoting the sporting rather than the practical end of the business may get in their say first.

Of course, it would be useless to send such a deputation without some definite plan to lay before the government. However, many horsemen are of the opinion that enough has not been done by the government in the past to promote horse breeding. If so, here is a foundation to work on. Let the breeders and those most interested from an agricultural standpoint get together and present to the government some plan by which further aid can be wisely and efficiently rendered. If more is to be done for horse breeding, and we believe more should be done, it is all important that the work should be started right and directed along lines that will result in the greatest benefit to the industry and the country at large.

There are several questions that have been discussed more or less frequently in recent years, such as the lien act, stallion inspection, syndicating stallions, etc., upon which horse breeders might convey their views to the government. Then the Agricultural College at Guelph has in the past come in for some criticism, because more was not done there in the interest of horse breeding. The chief complaint has been that no breeding horses of any kind are kept for the benefit of the students. At the stock judging school a few weeks ago horses had to be borrowed from a neighboring breeder in order that the lectures to the students might be properly given. This is hardly an ideal condition in an agricultural college. If horse breeders wish it improved upon it is their duty to wait upon the government and express their views upon this and other questions. Nothing has transpired yet to show that the new government lacks initiative. But no matter how progressive a government may be it will be glad to have the advice and the backing, if need be, of those interested in any action that might be taken, especially where the expenditure of public money is concerned. The officers of the various breeding associations should get together on this question. Strike while the iron is hot.



The imported Hackney Filly, Terrington Bonnibel. She has a first and junior championship for 1991 to her credit. Owned by Robt, Beith, Bowmanville, and will be offered at his sale on March 20th.

# Correspondence

#### Selecting Seed Corn Editor THE FARMING WORLD:

So many farmers failed last year in getting a good stand of corn, because of the bad seed planted, that I thought I would give you my method of getting good vital seed.

good viral seed. Everyone admits the value of good seed, but many fail in applying the principle in practice. I find it is im-portant to test the seed corn. I don't bank so much on the test between folds of blotting paper moistened and put between plates, or even in a box of soil beside the kitchen stove moistened with warm water. Corn that has any virality at all will grow under such conditions. But I do bank on its virality when I plant it outside in a cold soil under natural conditions and then find 90 per cent. to 100 per cent growing. There is more difference in the vitality

There is no vote difference in the eviality of seed corn than most farmers think. It might be compared to two calves one sometimes sees on the farm. The one caff is a long-legged, flat-sided, ewe-necked, scrawny, balloon caff, that for every dollar's worth of growth it has cost two dollars' worth of growth it has cost two dollars' worth of growth it has cost very dollar's worth of growth, that every dollar's worth of feed gives two dollars' worth of growth, and that if you knocked him in the head you couldn't kill him if you tried. The other one should have been put out of the way shortly after it was born. This strong calf represents the seed corn of strong There is more difference in the vitality calf represents the seed corn of strong

How to secure this good seed is the question. I like to go out in the corn field early in September and select the seed ears before the corn is cut, and "select the largest ears, with the deepest kernels that will ripen before frost comea." That is the way a successful Minnesota corn grower puts it, and I think it is pretty hard to improve on that definition of the ideal seed ear. I have little use for many of the fancy points that some are inclined to harp upon. For instance, they want a very symmetrical ear, of cylindrical shape, very small cob, rows to run straight as a gun barrel, and to be well covered at both ends. Especially is the tip end to be well covered and a kernel to be slugged in at the very end. I am of the opinion that it makes very little How to secure this good seed is the

difference to the hog as to whether the rows are straight or crooked, or whether they have a few extra kernels on the body of the ear instead of at the end. If indi suitable ears of this type I wouldn't pass them by, but I would not neglect good ears if they didn't conform to all the fancy points. As soon as the corn is selected I husk

As soon as the corn is selected 1 husk it, braid it up and hang it up over the kitchen chamber, where the pipe and chimmey are, to get it thoroughly dried before hard freezing weather. If corn is thoroughly dried it will stand a test of 60 degrees below zero. If only partly or us degrees below zero. If only partly dry when cold weather comes it will be weakened by every frost. Of course after being once dried I keep it dry, and when ready to plant I shell it. Be-fore shelling I believe it is a good prac-tice to cut off both ends of the seed erg in order to get uniform bereals to ear in order to get uniform kernels to

plant for an even stand. I also believe it would be a good practice and improve the corn to plant half an acre or so to the best selected seed. Give it special The best selected seed. Give it special a...ention in fitting the ground and culti-vation, keep it at least 40 rods from any other corn to prevent mixing, cut off all tassels or barren stalks, and from this patch select the best ears for future planting. T. G. RAYNOR. planting. T. Prince Edward Co., Ont.

## .58 Hold Mure Seed Fairs

Editor THE FARMING WORLD: If there is one thing more than an-other which our farmers have to cope other which our farmers have to cope with every year, it is that of securing good seed. For a unmber of years back weed seeds have beer rapidly on the increase, and if something is not done in the near future to check this spread-ing farmers will be unable to secure clean seed at any cost. It is an old saying, and a true one also, "That whichever a man soweth, that

clean seed at any cost. It is an old saying, and a true one also, "That whatsoever a man soweth, that shall he also reap," and almost all of our farmers are aware that if large plump seed is sown, large plump seed will be harvested, and that if small shrutken or broken seed be sown, the result will be our will no seed be sown, the result will be our will no seed. Experiments have been conducted at Gueph and other places, which illustrate the difference in yield from large seed and the other kinds mentioned. In shere been conducted at Gueph and other places, which illustrate the difference in yield from large seed and the other kinds mentioned. In shels per acre more for large plump seed than small plump seed has been shown, of seven bushels per acre more than from broken reed. This should be suffi-cient to show that the large plup as well as bold by a solution of the sufficient of the suffi-cient to show that the large plup as well as barley. "Any farmer who has the welfare of as barley

as barley. Any farmer who has the welfare of his country at heart would not object to paying ten or fifteen cents a bushel more for good large seed, which is thoroughly free from weed seeds, than for poor seed in which weed seeds might possibly exist.



The Hackney Mare, Priscilla. owned by Rob'. Belth, Bowmanville, Ont., winner of champion-ships at Toronto, St. Louis and Chicage in 1904. The photographer's snapshot does not do the mare justice, but there are shown a set of legs and feet that are hard to beat.

In my opinion there is no better means of obtaining such seed than by holding seed fairs throughout the country. Have, say, at least one in each county, where grain is principally grown. These fairs could be successfully conducted by farmers' institutes, if the matter were taken up by them and discussed more fully the meetings, which are now being

Hoping this will meet with your ap-roval. J. H. STARK. proval. Peterboro Co., Ont

#### How to Increase Manure Supply Editor THE FARMING WORLD:

How to increase the manure supply is one of the problems of farming in this province (P.E.I.). In order to do this considerable

In order to do this considerable swamp muck is mixed with the stable manure. This entails a good deal of swamp muck is mixed removed ad of habor. I have, however, adopted a plan which, I think, is a saving in this re-spect. My plan is this: I dig the muck in the winter and haul into a pile in the field I intend manuring the following year. In the latter part of the sum-mer I level the pile, making a square heap 30 or 24 inches deep. I then begin and haul manure from the stable, en-and haul manure from the stable, enand haul manure from the stable, en-deavoring to get a good coat on before frost sets in. I haul the manure as it is made in the stable during the winter, until I have as much stable manure as there is much shall have as much shall manure as there is muck. About the first of April I begin at one side and turn the pile over, thoroughly mixing the two. In about three or four weeks the pile is about three or four ready for the land.

In this way I not only save labor, but the value of the manure pile is enhanc-ed. The winter's frost and summer's heat improves the muck, little or nothing heat improves the muck, inthe or nothing is lost from the stable manure, as what leaks by the rain and snow goes into the muck, where mixed with it keeps the manure from over heating. The heating manure, on the other hand, decomposes the muck, making the plant food therein available. food therein available.

E. G. GIDDINGS. Queen's Co., P. E. Island

#### Culture for Legumes

Editor THE FARMING WORLD:

The bacteriological Department of the Ontario Agricultural College intends to send out this year small quantities of nitro-culture for the inoculation of the seeds of the various legumes (peas, beans, vetches, clovers and lucerne or alfalfa). Whilst the distribution will be largely confined to Ontario farmers, the Ontario Department of Agriculture are permitting us to send a number of samples to other provinces. The use of these cultures is not ad-

vised on those farms on which the various legume crops grow well, as such soils are already well inoculated with the needful bacteria which draw the nitrogen out of the air and feed it to the plants. But on those soils upon which legumes do badly and where there are no nodules on the roots, the use of these nitro-cultures is advised. When soils are deficient in other necessary plant food, as potash and phosphorus, these cultures will not give good results.

Applications for these nitro-cultures should be sent to the bacteriological Laboratory without delay, stating the kind of legume the farmer desires to plant and the amount of the seed that he intends to use. F. C. HARRISON, O.A.C., Guelph, Ont. Bacteriologist.

#### 38

"Why don't you see a physician?" "No, siree," answered Farmer Corn-torsal. "If I git cured it's got to be by patent medicine. Nobody gits his picter in the paper fur being cured by a reg'lar doctor."—Washington Star.

# Raising Calves for Milk or Beef

#### BY C. W. ESMOND, Wellington Co., Ont.

Except in the case of pure-bred animals it is seldom profitable to follow the natural method of calf-raising. Experiments have shown that where ten pounds of whole milk produced one pound of gain, from twelve to fifteen pounds of whole milk produces one points or gain, from twelve to fifteen pounds of skim milk did the same. Moreover, in these trials only milk was fed to the celves, whereas in practice, it is easy to add to the skim milk certain foods which will nearly or entirely replace the features.

However, the mother's milk must re-main the sustenance of the calf for sev-eral days of its carly life. It is poor economy to acquire a few pounds of fat for butter at the expense of the young minute direction severe. A fire about for outfer at the expense of the young animal's digestive system. After about two weeks of whole milk feeding, a little skim milk can be introduced gradually and increased until it replaces the whole milk, At the same time, the milk fat must be replaced by some substance such as linseed meal. The feeding of oil cake with skim milk has neither theory nor practice to recommend it. Both are specially nitrogenous food, and together they form a ration entirely un-like the natural milk. Linseed meal on the other hand contains a large amount of fat, and is eminently suited to replace the milk fat.

After the calf gets a good start, other grains may be fed. A mixture of oats and corn made into a porridge may re-place the linseed, and such a mixture has been found to give very satisfactory gains. As soon as practicable the calf should be taught to eat a little dry grain, such as crushed oats. This may easily be done by dusting a little of the meal on his porridge in the bottom of the pail after the milk has been drunk. A little clover hay should very early be placed before him, and he will soon be eating it.

#### "CHEESE" CALVES

Many farmers who send their milk to cheese factories are able to give their early calves a good start on whole milk and skim milk, but when cheese making begins, the value of skim milk is merely theoretical to them. It is under these conditions that the successful rearing of calves is most difficult. Two method present themselves as a solution. The first is to breed the cows whose calves are to be reared early enough for them to drop their young early in winter. This plan, of course, assures plenty of whole milk and skim milk, and, moreover, it has the advantage of getting the calves started at a season when work is not pressing. But supposing this has not been done or that circumstances make it impossible, we have to face another issue. In so doing, we must keep in issue. In so doing, we must making mind the supreme importance of raising good calves. If all the milk is sent to mind the supreme importance or raising good calves. If all the milk is sent to the factory, this means expense, either of labor or money, and which can best be borne, individual circumstances must decide. If help is sufficient a certain amount of the milk can be retained at home butter made and the skim milk home, butter made, and the skim milk fed to the calves. Under the same con-ditions it may be profitable to boil clover hay and feed the extract in lieu of mill If help is scarce, however, it will prob-ably be good policy to retain a certain amount of milk to feed directly. The amount need not be nearly sufficient for the calf's maintenance, especially if he the carl's maintenance, especially if he has had a good start, but a certain amount should be fed, diluted with water if necessary, and warmed to blood tem-perature. A porridge of oats and corn may be fed in addition, or other grain which recommends itself. In this case, corn should not form a very large part of the solid food. It would be best to feed oats and corn only once a day, and give oil cake at the other meals. The feeding of dry grain and hay ap-plies in this case as in the other.

#### FEED REGULARLY

In addition to proper food, good man agement and attention is necessary. The feeding should be regular and frequent. Three times a day for young calves is not too often. If we refer to natural conditions we see that the calf takes nourishment much oftener than this, and we must in our artificial conditions strive to simulate the natural as closely as practicable. It is necessary when calves are thus reared, to see that diarrhœa does not occur among them. A little lime administered in the milk is an excellent corrective for this trouble. We are assuming that the quarters are well ven-tilated, well lighted, well bedded and dry. These conditions immediately recommend themselves to the minds of thinking men.

However, a question which admits of discussion is whether the calves shall be stabled or allowed the run of a pas-ture during the hot months. If shade is abundant and water convenient, the is abundant and water convenient, the pasture might be better, since it eco-nomizes labor. In the absence of the most favorable pasture conditions, it seems better to keep the calves inside during the hot days and let them out at night. The annoyance of flies and the intense heat are detrimental to the best development. In both these mebest development. In both these me-thods we should observe a precaulon too often neglected, that of keeping water before the calves. The warm drink given periodically does not satisfy thirst in the heat of summer, and it is thoughtless at least, not to supply them means to quench it

In closing, we must keep in mind that only the best calves are profitable, and it is unwise to allow a false notion of economy to control the method of rear-ing the future dairy cow or breeding animal.

#### 38 Feeding Steers Tied or Loose

The report of Supt. Robertson, of the Nappan Experimental Farm, furnishes the following information in regard to ieeding steers tied or loose. Sixteen-year-old steers were used for

this test in two lots of eight each, of as nearly as possible equal form, fatness and weight (Shorthorn grades).

All weights were taken after a fast of 14 hours, that is, at 9 a.m., without

All were dehorned previous to be-

All lots were fed alike, as nearly as possible, from start to finish of test, and kept in the stable all the time, except on occasional fine days, when they were let out for a time, averaging not more than once a week

The feeds were charged at the fol-lowing prices: Hay, \$\$ per ton; roots, \$2 per ton; ensilage, \$2 per ton; mixed meals averaged \$24 per ton; as per properties fed proportion fed.

The relative gains were for the tied steers 2,250 lbs., and for the untied (dehorned) steers 2,435 lbs., a gain of 185 pounds in favor of feeding loose. 30.

"You durn old plug," said the farmer to his balky horse, "you actually ain't worth killin'-unless," he added, after second thought-"unless I could manage get you killed by the railroad."-Exchange.

# About the Breeds of Sheep.

## The Sheep's Early History: How the Different Breeds Originated.

The history of the sheep differs from that of other domesticated animals ma-terially, in that, while we have records to the earliest ages of the latter animals in a wild condition, together with pre-historic evidence of their evolution, sheep seem first to have appeared shortly after the advent of man. The domesticated flock was his first charge and care, and The domesticated flock was his first charge and care, and the one that met the most fully his primitive wants. There were at the same time, as now, many wild varieties of sheep in different parts of the then known world, but few of them would show a very close breed relationship to our domestic sheep, and, in fact, the writings of ancient authorities, such as the poet of ancient Rome, who, when he "tuned his harp to a slender oaten straw" world of the sheep tis care, and straw" wrote of the sheep, its care, and particularly laid down theories of breeding so sound, on selection and mating. that it seems quite plausible that our various breds of domestic sheep have

exhibit more or less tendency, when left to themselves to roam. This is par-ticularly noticeable in the different branches of the Merino family.

From the earliest times can be found an appreciation of the importance of whatever tended towards the improvewhatever related towards the hiprove-ment of the flocks of sheep, and even royalty considered the subject as worthy of their attention. Roman Emperors paid large prices for representatives of improved breeds, and many of the kings Europe considered a present of such an one quite as befitting to Royalty as the princely gift of the Arab steed from the stud of the munificent Sultan of the Orient. Ages ago, it was a crime punishable with death to export breedpunishable with death to export breed-ing sheep from England, and during the reign of the Imperial Tudors, it was the eifs of a flock of sheep from the Emperor of Spain which laid the founda-tion for the Emplish Cotswold, and all breeds descended from them. and strong with heavy bone, and good sound feet that are not easily subject to foot diseases. The Cotswold has proved an eminently successful sheep for crossing on the Down breeds, and they figure in the original breeding of several other breeds of sheep.

Lincolnshire has for ages been cele-brated for its breed of sheep. At one time a race of big, rough, scrawny, but hardy sheep, the breed was like the Cotshardy sheep, the breed was like the Cots-wold and other breeds, much improved by crossing with rams from the flock of the immortal Bakewell, which gave to the race somewhat smaller size, but combined with improved quality, ten-dency to fatten, with earlier maturity. However much the breed may owe to this, it is certain that the basis for these improvements was a good one for the breed has proved a most popular one, good pasturage can be found. The Lin-coln is the largest breed of sheep, frequently weighing over three hundred pounds. The face is free from wool and the head from horns, large, and the forehead narrows sharply backward. The neck is of about medium length, and well "set" on the shoulders, the back



A prize winning Lincoln ewe

been developed in different localities,

been developed in different localities, and from selections of type found local-ly the most suitable. Two breeds of sheep are claimed, however, to have been the progenitors of our present flocks. These are the Argali of Asia, and the Musmon of Eur-Argait of Asia, and the Müssmon of Eur-ope, the former being claimed to have been the original progenitor of the Oriental sheep, while from the latter descended the European breeds. A few of these wild sheep are still to be found in the mountains of Greece and in the Cretan Islands. Some shade of plausi-bility is afforded to this theory by the records, of accient writers, natriculative records of ancient writers, particularly Pliny, who tells of the Musmon being crossed on the domestic sheep of his day. The early culture of the sheep was necessarily in the hands of the wander-ing, nomadic tribes and races, rather than the peoples who followed the til-lage of the soil, their flocks constantly moving from place to place in pursuit of suitable pasturage. The shepherds following, constantly on the watch against marauders, sometimes, too, de-voting part of their time to the per-formance of the same none too neigh-borly office on the flocks of others, made the keeping of sheep a less peace-ful occupation than other branches of agriculture in the olden time; and thus it is, also, that many breads of sheep necessarily in the hands of the wander it is, also, that many breeds of sheep

Some writers, indeed, claim an even Some writers, indeed, claim an even more ancient origin for the Cotswold, averring that the first importations of this old breed of long wool sheep was made during the twelfth century, and that there are records of representatives of this same breed being exported back to Spain in the year 1447 by the royal permission of King Henry IV.

#### THE COTSWOLDS

are celebrated for their hardiness and size, but it was not until after the time of Bakewell that the greatest improvement was effected in this breed by the judicious crossing of Leicester blood, and this happily gave greater smooth-ness, quality, and tendency to fatten without at the same time impairing their natural hardiness, and has made them a very popular "combination" wool and mutton sheep. Their char-acteristics are a face of grayish or white, with a fleece that will comb eight to ten inches long, well adapted for the to ten inches long, well adapted for the manufacture of heavy goods, and clip-ping from nine to sixteen pounds. Weight from 220 to 275 pounds. The head is strong and large, no horns, with a forelock or tuit of wool hang-ing over a somewhat "Roman" face, to vere a which long wool that is used covered with long wool that is used currly ringlets, and the limbs are large



A prize winning Cotswold.

is straight and not quite so broad as the Cotswold, the fleece is the longest of all long wool breeds, is fine and us-trous in character, and sometimes combs to twelve inches in length. As high as fifteen pounds of staple wool has been clipped from a Lincoln. The legs are long and strong.

#### (To be Continued.)

# Tonics for Hogs

It is well to keep constantly accessible to both pigs and old hogs some material that supplies lime and salt, to aid in bone-building, as an appetizer and to re-move intestinal parasites. This mixture bone-building, as an appetizer and to re-move intestinal parasites. This mixture should be kept in a strong box, protect-ed from rain; the quantity and fre-quency with which pigs will visit and eat of the mixture will often be surprising. The following is a mixture recommended: (Dercool one and come kelf builded): Charcoal, one and one-half bushels; common salt, four pounds; hardwood, ashes (not logwood nor any dyewood), ten pounds; slaked lime, four pounds. Fresh water, good shade, additional food when on grass, and a dry bed free from filth, shelter from rain; and above all when confined have the area sufficiently large so that it will not become foul with droppings and filthy mud. These are the essentials for successful hog raising.

#### Horses' Feet in Winter

The farm horse may not be doing much work in the winter, but that is no reason why his feet and legs should not be cared for. If the horse is on the not be cared or. If the more is on the road more or less the less and ankles about have attention as soon as the animal is brought into the stable. If he is standing most of the day it is e-sential that the floor, of whatever ma-terial it may be composed, be kept clean. One good way of caring for the feet and legs of a horse is to wipe them dry with a moist cloth when the animal is brought in, then with a stick of wood give proper attention to the hoof. One of the fertile sources of rheumatism

of the fertile sources of rheumatism in horses is neglect of the feet and lower in horses is neglect of the feet and lower legs. You might well make it a busi-ness, in cold weather, to rub a little vase-line in the frog of the foot and over the hoofs generally two or three times a week and always clean this part as thoroughly as any other.

#### . 12 The Horse's Leg

If the feet and legs of the horse are defective the animal itself is of com-paratively little value. In every horse paratively little value. In every horse there are necessary qualities of foot and limb, irrespective of breed. If the feet latter, there will as a rule be very little wrong with the animal itself. Discus-sing the leg of a horse, The Horse World says:

World says: It is a common saying that a horse should have "flat bone." This is but partially correct, for there is no such thing as flat bone in the legs of a horse. The leg bones are like the blade of a a razor in shape, with the back of the blade turned to the front and the thin edge to the back. Such a bone presents edge to the back. Such a bone presents a flat surface looked at from the side, but cut through a section will have an elliptical shape. When the leg appears to be round that fact is caused by lack of development of back tendons, and the presence of a surplus covering of coarse insue. What we are after is a "flat leg." This is denoted by a clean, practically tissueless bone from the back of which the tendons stand out distinctly, and so that they can be readily grasped in the hand. From such a tendon and bone the hand. From such a tendon and boin in the best draft horses of the Clydesdale breed and the improved English Shire the hair should grow as a silky fringe. Such hair or "feather," as it is often call-ed, should not hide the bone and tendons nor surround the leg. Neither should not surround the leg. it be coarse and kinky, like the dead it be coarse and kinky, like the dead horse hair stiffing of a sofa, or be so profuse in growth as to be plainly a nuisance. Hair of the right quality is a sure evidence of a flat, compact, "gum-metal" bone, and as a rule goes along with clean, well-marked tendons. Such hone is seen in the base class of the source of t bone is seen in the best class of the breeds mentioned, but it is by no means a special possession of these breeds. When we clean leg and good

clean leg and good the pasterns should joints the points use the pasterns should be the new ration, for no mat-ter how ne makes the quality of the bone and tenhant these good qualities are largely destroyed by a steep pastern, which makes the action stilly, still and sure to cause trouble from severe con-clusion. We require oblique pasterns to offset comprision—in gradually or savily offset concussion-to gradually or easily convey the concussion from the feet to the convey the concession from the feet to the pillar of the leg lones above it. Look-ing at the profile of the leg the angle of the front of the hord should be ex-actly that of the pastern. Any serious departure from an angle of 46 degrees is to be considered a grave error not to be set right by paring or shoeing, and to be rejected, if possible, in breed-ing. A sningen matern answered by a ing. A springy pastern possessed by a horse having clean bone and well-marked tendons with or without the finer hair



Parsnips possess the same virtues as

Beet root is fattening and good for people who want to put on flesh. So are potatoes.

alluded to above may be taken as in-dicative of free straight action. Action and quality go together, and it Action and quaity go togener, and it remains in examining a horse to see that this is the case when he is moved at a walk and trot. If his legs are pro-perly set and his joints under gropper control he will go and come without "paddling," or "wobbling." The feet will be carried in a straight line, and rise and fall rhythmically, showing the shoe soles both fore and aft. A plummet line dropped from the centre of the knee and pastern joint and back of the foot and the same line hung from the hip joint should cross the centre of the The foot and divide the gaskin in the middle. By this rule it will be easy to notice whether a leg good or bad is in or out of the proper position and whether the hind leg is crooked or sickle-hocked. hence prone to curbs and other ailments.

## Spring Care of Sow

As the winter advances and the brood sow gets well advanced in pregnancy, she should be well looked after and be left largely to herself and not be run by horses or colls. She should not be allowed, or rather compelled, to drag herself over lars, rails, boards, trougils or other obstructions. While she should be allowed perfect freedom, she should not be compelled to wade mud holes or clamber over slippery bridges in get-ting to or from her pen. As the cold subsides and the warmer weather of spring takes its place, the corn that has been fed to keep up animal heat can As the winter advances and the brood been fed to keep up animal heat can well be replaced by other feed that is less fattening and better fitted to supply less fattening and better fitted to supply the elements of growth. The demands of the sow are heavy at this time and they should be met by feed so that her own vitality may not be reduced in order to supply the demands of her unborn litter.—Forest Henry.

#### 25

#### Save the Wood Ashes

Wood is used for fuel on most Canwood is used for full of most called adian farms and during the year there must be quite an accumulation of wood ashes, which in too many cases finds its way to the ash gatherer for a few bars of cheap soap.

of cheap scap. Farmers making such an exchange do not know the value of the product they are bartering away. Wood ashes are especially valuable when worked in the soil about the roots of fruit rees. The flavor of fruit is improved by adding potash and wood ashes contain consider-able potash. They are valuable whether lacehod or wilesched to valuable to leached or unleached, too valuable to be wasted.

#### 3

## Circulation Stopped It

"Hallo, Pat, I hear your dog is dead?" "Hailo, Fal, i her your dog is de "lie is." "Was it a lap dog?" "Yes; it would lap anything." "What did it die of?" "It died of a Tuesday." "It died on its back." "I died on its back."

"I mean, how did the dog meet its death?"

'It didn't meet its death. It's death overtook it. I want to know what was the com-

plaint ?

paint: "No complaint. Everyone for miles round appeared to be satisfied." "I wish to know how did it occur?" "The dog was no cur; he was a thor-oughbred animal." "Tell me what discuss did the term."

Tell me what disease did the dog die of?"

"He went to fight a circular saw." "What was the result?" "The dog only lasted one round."-Our Dogs.



'z Judging the Shires, London Shire Horse Show, Feb., 1905. Royalty box shown in centre.

# English Shire Horse Show

London, Feb. 25, 1905.

The Shire Horse Show, held in the Agricultural Hall, Islington, London, during the week was quice up to the average of recent exhibitions, although the number of horses present was not so large as in many previous years. This was not due in any way to inability to get entries, but was simply traceable to exigencies of space, the local authority having stepped in and reduced the number that the King has always manilaged interest in this society and again this year he, accompanied by the Queen, made it convenient to visit the exhibition. His Majesty's horses were, however, not so successful as they have been on certain occasions in the past. During Their Majesties' presence on Wedneday last the opportunity was seized to award the championships in the staliko classes, in which section Lord Rothschild had exceptional success, while at a subsequent period his lordship added to his victories by annexing the callenge cup for mares.

the station classes, in which section Lord Rothschild had exceptional success, while at a subsequent period his lordsinja dded to his victories by annexing the challenge cup for mares. As menitoned above, the entry was a smaller one than last year, as the following figures show: 1900, entries 680; 1902, entries 860; 1900, entries 680; 1902, entries 860; 1900, entries 667. As compared with last year the present figures show a decrease of 90 stallions and 91 mares and filles and an increase of two geldings. It must be admitted that the all round reduction in numbers has been in many ways an advantage; of recent years it has been the practice to send up a lot of second grade horses with the intention of selling them off at the auticon held in connection with the show. This is fortunately now put a stop to and the classes are now quite large enough, as well as a credit to the breed.

To revert to the stallion championship, the Shire Horse Society's gold challenge cup was awarded to Garton Charmer, a strong, sturdy, well-made four-year-old brown horse, by Mormaer of Botsford, while the reserve was Birdsall Minestrel, both of which horses are the property of Lord Rothschild, of Ting. Birdsall Minestrel is a fine five-year-old bas by Minestrel and won the champion cup a year ago. (A splendid photo of this horse appeared in THE FARMING WORLD of March 18th, 1004.) The cup for the best stallionsnot over three years old-was won by Mr. Max Michaelis with Sta that im-Coronation, thichaelis with Sta that the reserve wat to Mr. C. Bell's Norley Advance, bred in Cheshire.

The mare championshin as briefly mentioned above, was also won by Lord Rothschilds, his representative being Princess Bervil a very comely black five-year-old by Prince Harold, bred in Essex, by Sir Henry Ewart, the reserve going to the famous Dunsmore stud by the aid of Sir Albert Munit2\* Dunsmore Fuchsia, who had previously won the junior cup, while Princess Beryl won the cup for the older mares. The cup for the best gelding was won by Mr. A. C Sparle's Oldfield Duke, which was the best in a strong section.

#### 38

#### Planting Apple Trees

(Written for FARMING WORLD.)

In planting young trees on sod, care should be taken to make the holes large enough. From 4 to 5 feet across is not too large for standards. In digging the holes the sod should be taken off and laid on one side, then the top soil removed and the subsoil broken up, but not taken out. It is well to have holes dug sometime before planting the trees, in order that the soil removed may become mellow and friable, and made sweet by exposure to the air. When the treed be chopped up and laid in the bottom of the hole over the subsoil, and some top soil laid on that for such a height that when the tree rests on it the collar—that is the part of the stem which was level with the surface of the ground in the nursery—should be in the same position in regard to the surface of the orchard, or a little higher when fresh planted, in order to allow for the sining of the made ground. Some people put rotten made ground. Some people put rotten achies kind is injurion phetrees, and that good mellow loam protuces the healihest growth and leads to the quickets and soundest establishment of the ress. At a later stage manure may advantageously be applied

#### CUT OFF INJURED ROOTS

All roots bruised or broken during the removal from the nursery should be cut off with a sharp brife, a clean cut being made in a alganing direction, ourwards. It is a common practice for the workman who is filling in the soil to make a hollow place with his spade for the recention of the roots. This is wrong. If anything the soil should be raised in a light mound in the centre of the hole, and the tree placed on that, the roots at the same time being carefully spread out with the fingers over

the mound and some fine soil sprinkled over them and worked in under the crown so as to leave no vacant space there. When the tree is in position the hole should be filled up with the top soil, but no firming or tramping should be allowed until sufficient soil has been thrown in to cover the roots and prevent injury to them. In fact no tramping should be perinted until all the filling in has been done with the exception of 2 inches, which with a heavy soil should be left loose and rather rough. As, however, the tendency of the soil is to work loose or lift round newly planted trees, it is necessary now and again to make it is mecsary now and again to make it is mecsary now and again to the growth more than hollowness of the soil at the roots. In light soils the trees may be planted more deeply than in retentive soils, and it may be desirable to give a thorough watering at the time of planting, or shortly afterwards. In heavy soils it is generally unnecessary to water, and sometimes hurtful, as the water makes a kind of puddle about the roots, which then sets hard and himders their growth.

#### PROTECTING THE YOUNG TREES

If the trees are not large, and the heads are cut back at the time of planting, it may not be necessary to stake them, and in such a case it has been found that large flat stones laid close to the stem, but not near enough to touch it, to form an effective counterpoise for the pressure of the wind, while preserving at the same time the surface of the soil cool and moist. This practice prevails in Brittany.

Where a stake is necessary it should be driven in and made fairly firm before the tree is planted, in order to avoid subsequent injury to and disturbance of the roots, and also for the greater stability of the stake. The common custom is to fasten the tree to the stake by one attachment only, generally to be assessed to be the stake with rope or bagging, and of the stake, when swayed by the wind, move in the same direction. Care should, however, be taken that, as sometimes happens where the stake and tree are and stake. If there should be any chance of this, something should be placed round the tree or stake at the point of friction. Attention to these band the stakes, when swaye terms on which the condition of the trees so greatly dependent of the trees so greatly dependent.

#### A CHEAPER WAY

When the trees are planted on sod which is intended to be grazed (and the grass in orchards should never be mown) some protection against be required. An effective animals will be required. An effective animals will be required. An effective be an additional posts set up triangularly rough the posts set up triangularly rough the young tree, united by short rails nailed on sufficiently close to prevent protection of this bark. A cheaper protection of this kind may be oblained by setting two pieces of a large post sawn lengthways, about 8 inches in width, opposite each other, with their flat sides towards the tree, and uniting are much closer to the trees on this are used, there is danger lest the bark of the tree should chafe against the top rails on the posts. This can be guarded stem where it is likely to touch the

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rails, and if tarred twine be tied round the hayhand and attached to the top rails, the swaying of the tree will be prevented. The cheapest protection is an effective guard, and on the whole the trees seem to do better when simply bushed than when protected with posts and rails. The air circulates more freely about them, and the weeds which freely about them, and the weeds which always spring up around newly planted trees can be cradicated on the occasion of rebushing. It is beneficial in the case of young trees planted in sod to pare the sod off thinly in a circle every other year for a distance of a yard or so from the stem, increasing the size of this circle as the trees grow, and the same time picking the soft lightly over with a fork, but not so as to injure or disturb the roots, as any loosenjust over with a fork, but not so as to injure or disturb the roots, as any loosening of the soil about these checks growth. In old pastures where there is often a depth of from 5 to 8 inches of fibrous mould, the roots strike into this, and the trees go ahead almost as quickly as on tillage, especially if some com-past he applied to the surface and lightly forked in

Stress has been laid on the planting Stress has been laid on the planting and protection of young trees, because it is in the trees' early stages that at-tention is necessary. Unless the trees are kept in a healthy condition while growing, they cannot form large, fine specimens bearing full crops of sound fruit. With regard to the proper time of the year for planting. I think autumn is to be neglectered to saving though much to be preferred to spring, though much depends on the season

#### WHEN TO PLANT

WHEN TO PLANT If the trees could be lifted as easily as bedding plants and transferred im-mediately from the nursery to their permanent quarters, the early spring in genial weather would probably be the best time of the year for mowing them, as is found to be the case with herbac-ious plants. But as they often have to be sent long distances from the nursery, with their routs hare of soil, and rewith their roots bare of soil, and re-main for days out of the ground, the main for days out of the ground, the check just as the sap is rising is likely to be more severe than in autumy, when they are in a dormant state. It is often urged in favor of planting in early autumn that it enables the trees to make some root growth in their new



ly, are better prepared to start into life in the spring. This theory is hardly sound, seeing that, after the leaf has fallen, the trees are not in a condition to make root growth. The chief adto make root growth. The chief ad-vantages in autumn planting are that the trees feel the moving less if they have to travel a distance than they do in the spring, and that the winter rains help to consolidate the soil and render it fitter for root action in the spring than it would be if freshly applied then.

If the varieties be suited to the soil and climate, the trees well grown and healthy when planted, properly planted, protected, looked after and dressed, they will begin to bear a crop in five or six years time, though it is not advisable years third, though it is not advisable to allow them to carry a full crop at so early an age. Late frosts and insect pests will, however, often deprive the farmer of a portion of the crop which a good bloom may have led him to expect. It is not possible to guard against pect. It is not possible to guard against late frosts, but when the situation of an orchard is well chosen, on fairly high ground, but sheltered, these will be less destructive than on the low ground. The failure of an apple crop is due far oftener to insects than to frost, but unless the fruit growers of a locality take concerted action the labor a locality take concerted action the halor of prevention by a single individual is lost, for take what steps he may to clear his orchard, they will always re-main open to infection from the trees of negligent neighbors.

In Tasmania-which now exports immense quantities of apples-an act of legislature was passed a few years since which compelled owners under penalties to clear their orchards of destructive insects and keep their trees in a healthy

38

W. R. GILBERT.

Want San Jose Scale Stamped Out A deputition of fruit growers waited upon the Hon. Mr. Monteith, Minister of Agriculture, a few days ago and asked that the Agricultural Department conduct a series of experiments in the Conduct a series of experiments in the Niagara district, in order to ascertain the best method of combatting the black tot in grapes and the San Jose Scale. They asked, also, for assistance in pur-chasing spraying material, and for the establishment of an experimental fruit transmission of the district sectors. station in the district.

Please Mention The Farming World when writing Advertisers



Geo. H. Greig, Secretary Manitoba Live Stock and Dairy Associations.

#### Manitoba Shorthorn Breeders

manutopa Snorthorn Dereders The meeting of the Western Short-horn Breeders, called by Mr. E. R. James to discuss the subjects mentioned in his letter published in THE FARMING WORD on Feb. 15th, was largely at-tended. The discussions were animated emetically with reference to the more the especially with reference to the appor-tionment of grants to shows by the Do-minion Shorthorn Association directorthe executive was cut and dried and that the Mauitoba representatives had no voice in the election. Some present no voice in the election. Some present wanted to form a provincial association, but in view of the unanimous decision to nationalize the records action was deferred. The following resolution passed unanimously shows the feeling of the meeting in regard to nationaliz-ing the records: ing the records: "Resolved that in the opinion of this

been and the the opinion of this meeting of Shorthorn breeders of Mani-toba, it is absolutely essential to the future welfare of the interests of the breed in Canada that the Dominion Shorthorn Breeders' Association should

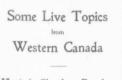
Shorthorn Breeders' Association should be nationalized, and that the head office be mixed to Ottawa, "And Uniter, be it resolved that if the controlling body of that Association refuse to nationalize the Biothforn re-cords, that a meeting be convened at the earliest possible date, of represen-the earliest possible date, of represen-and Manitoba, with a view to organizing a national Shorthorn herdbook, un-der the provisions of the Act governing. der the provisions of the Act governing live stock records."

Another important resolution urged upon the Dominion Shorthorn Associa-tion was that they remove the present barrier against some of the best British Shorthorns, and make easier the im-provement of our Canadian Shorthorn provement of our Canadian Shorthorn herds by changing the requirements of the rule that all British Shorthorns shall trace to Vol. 20 Coates', to read Vol. 30 Coates', and that five or ten years hence the mark shall be Volume 33 or 40 Coates', and so on, similarly at set periods, depending whether a quinquennial or decennial period be de-control the period of this change.

The reasons advanced for this change are that under present regulations many first class animals, including prize win-ners in England, are ineligible for re-gistration in the Canadian herdbook, and that the supply of eligible bulls, owand that the supply of elisible buils, ow-ing to large buying by the Argentine and other countries is every year becom-ing more limited. To keep up the stan-dard of Canadian breds it is necessary to widen the record so as to take in more animals of proven merit.

#### Manitoba Breeders

The week of February 20th was breeders' week in Winnipeg. The an-nual meetings were well attended and considerable interest shown in the future development of the Prairie Province.



# Manitoba Shorthorn Breeders Take a Firm Stand

The important discussion at some of the meetings was the nationalizing of the records. The cattle breeders passed a strong resolution endorsing the scheme. the records. The cattle breeders passed a strong resolution endorsing the scheme. At the horse breeders' meeting the "weaknesses of the Lien Aat" were discussed. One of the weaknesses is that it does not compet the enrollment of adultial standing. The cattle breed-ers showed considerable interest in the Ferritorial market for pure-bred stock, which field was being canvassed thor-oughly by the Ontario live stock associa-tions. It was felt that something more should be done to advertise Manitoba stock in the Territories. The Cattle Association also passed a resolution ask-ing that more be done to encourage live stock at the Brandom Experimental Farm. The sheep and swine breeders discussed more the pareital side of sheep and swine husbandry. Stock attry Greig's report subfactory, the stated that the wasply of hucon hors in Manitoba was furcensing rapidly, Live Stock Contawa, and others address-ed the meetings.

ed the meetings. The following officers were elected for the different associations:

### HORSE BREEDERS

UGUEL BURKERES Pres., Stephen Benon, Neepawa; Vice-President, W. G. Washing-ton, Ninga, Representatives of Breese -Clydes, A. Graham, Pomeroy; Shieas, J. Whiteman, Boissevain, Fercherons, Lowe, Killarney; Hackneys, John Wis-hart, Killarney; Caachers, Dr. Stephen-son, Carman; Thoroughbreds, R. I. M. Power, Carberry; Standard-bred, Dr. Little, Winnipeg; Faradon Fair Board, Henry Nicholls. CATURE BEREMENS

#### CATTLE BREEDERS

CATILE BREEDERS Pres., J. G. Barron, Carberry; 1st Vice-Pres, A. Graham, Roland; 2nd Vice-Pres, Hon. W. Clifford, Austin. Representatives-Shorthorns, E. R. Jan.es, Rosser: Herefords, Bing, of Glenela; Aberdeen-Angus, S. Martin, Roumtiwatie; Galoways, Wim. Martin, St. Jean; Holsteins, M. Oughton, Stone-wall; Aryshires, W. Champion, Reaburn; Red Polled, H. V. Glendinning, Brad-wardine; three additional directors, Stephen Benson, John Graham and R. C. Henders. Representatives to fair boards—Winnipeg, James Bray; Bran-don, Wm. Chalmers.

#### SHEEP AND SWINE BREEDERS

SHEPP AND SWIRE BREIERSS Pres., Dr. S. J. Thompson, St. James; Vice-Pres., W. E. Baldwin, Manitou. Directors, representing swine breeds--Berkshires, J. A. McGill, Neepawa; York-shires, Waldo Greenway, Crystal City; Tamworths, R. S. Preston, Pilot Mound. Directors representing sheep breeds--Cotswolds and Leicesters, Geo. Allison; Shropshires, J. C. Stuart, La Riviere;



hen Benson, President Manitoba Horse Breeders' Association.

Oxford Downs, Alex. Wood, Souris; Southdowns, W. W. Fraser, Emerson. Representatives to Winnipeg Exhibition Board, W. G. Styles, of Rosser.

# Territorial Sheep Breeders

The Territorial Sheep Breeders' As-sociation held its annual meeting at Maple Creek. The meeting passed a resolution asking the government to im-pose a duty on all classes of wool entering Canada that are produced in this country; the meeting also asked that fine wools be removed from the free list, and that wool rags should be subjected to a duty of 10 cents per pound, and shoddy 25 cents per pound. The officers for 1905 are:

1905 are: President, G. W. Quick, Maple Creek; First Vice-President, J. A. Turner, Cal-gary: Second Vice-President, Bryce Wright, De Winton; Directors J. D. Wilson, Forres: Jas McCaig, Leth-bridge; S. W. Paisley, Lacombe; Fred Grant, Walsh; Ed. Fearon, Maple Creek; Auditor, F. Exham, official auditor. 35

# Winnipeg Fair

Winnipeg Iraur The Winnipeg Industrial Fair had a successful year in 1004. After paying some \$15,413.84 back debts, the associa-tion has a balance on hand of \$3,008.30. The city expended \$35,000 on buildings for the Dominion Exhibition. The total strendance for the ton days was \$200.000. attendance for the ten days was 209,000. A rather curious feature to easterners is an expenditure of \$20,000 for horse races alone. In fact the total appro-priation for horse races is equal to the total prize list for other classes, including live stock.

#### Preparing for the Dominion Fair

Preparing for the Dominion Pair The citizens of New Westminiter, B.C., are beginning to exert themselves in regard to the Dominion exhibition to be held in that city next fail. The fair grounds will be enlarged and the accommodation, especially for live stock, greatly improved. Last year there were 910 animals on the ground, and it is expected that the number this year to movide for will equal 2,000 head. An provide for will equal 2,000 head. An effort will be made to secure the Gover-nor-General to open the exhibition. 38

Live Stock Judging Schools Beginning on Feb. 20th and to be continued till April 1st, a series of live continued till April 1st, a series of live stock judging schools is being held in the Northwest Territories under the auspices of the Territorial Department of Agriculture. The instructors and speakers at these schools are Robert Ness, Howick, Que, C. M. MacRue, Ot-tuwa; C. R. Cottrelle, Million, and M. D. Geidles, Calgary. Manitoha Daircomen

# Manitoba Dairymen

The Manitoba Dairy Association met in convention at Winnipeg on Feb. 24. Secretary G. H. Greig, in his report,

stated that the industry in Manitoba seemed to be undergoing a period of depression, owing to the popularity of wheat farming. The advisability of takwheat farming. The advisability of tak-ing steps to institute travelling dairies was raised in order to arouse more in-

The officers elected for 1905 are: President, Mr. W. B. Gilroy, Austin; First Vice-President, J. J. Ring, Crystal City; Second Vice-President, W. M. City; Second Vice-President, W. M. Chanpion, Reaburn; Secretary-Treas-urer, Geo. H. Greig, Winnipeg. Direc-tors, Messrs. Steel, Glenboro; Munroe, Winnipeg; Murray, Winnipeg: Beavis, Cartwright; Black, Winnipeg. Repre-sentative on the Winnipeg Board, W. Secretary-Treas-B. Gilroy.

#### Alberta Dairy Meeting

A meeting of delegates from the Government creameries in the North-west was held at Calgary on Feb. 10th at the request of Dairy Commissioner Ruddick, to discuss the creamery situation in general and to receive sugges-tions as to the general mangement of the creameries. Mr. Ruddick in his address stated that since the Government started the creameries in the Territories in 1896 over 5,000,000 lbs. of butter had been made, netting the sum of \$1,005,-400.54. The average price for the sum-mer season varied from 17.09 cents in 1897 to 20.98 cents in 1904. The average cost for making was 3.61 cents per pound. Creameries cannot be self-sustaining on a manufacturing charge of 4 cents per pound until the annual outa cents per pound until the annual out-put is 40,000 lbs, per annum. British Columbia, the Yukon and the Orient were the chief markets for the butter.

Mr. Ruddick stated that his Department would continue to manage the creameries for another year at all events, he advised further organization order that the business could be carried on jointly by the creameries whenever Government found it necessary to withdraw from the work 38

#### Western Dairymen Appoint Instructors

The directors of the Dairymen's Association of Western Ontario met in Lon-don on Feb. 28th. Supt. Putnam was present to discuss the work of instruc-tion for the coming season. It was

decided to employ ten instructors, seven for cheese, two for butter and one for both. The following nine men were chosen, the tenth to be chosen later: J. Scott, Calloden: C. C. Travis, Eden: F. Herns, Strathroy; Alex Mc-Kay, St. Marys; James Burgess, Strath-roy; Robert Greene, Trowhidge; Frank Boyes, Dorchester: C. W. McDougall, Guelph, and Fred Dean, Strathroy: A special committee was appointed to wait on the Hon. Mr. Monteith to discuss the work of the Association. A resolution was passed slowing the board's appreciation of the services and ability of the Hon. John Dryden, ex-Minister of Agriculture.

# .58

A Good Cow of Fifty Years Ago In an American farm journal of fifty years ago, the following lines descriptive of a good cow appeared. It will be in-teresting to compare them with what the 20th century cow ought to be:

- "She's long in the face, she's fine in her horn.
- She'll quickly get fat, without cake or
- She's clean in her jaws, and full in her
- She's heavy in flank, and wide in her
- She's broad in her ribs, and long in her CUUMD.
- A straight and flat back, with never a hump; She's wide in her hips, and calm in her
- eyes, She's fine in her shoulders, and thin in her thighs.
- She's light in her neck, and small in her tail,
- She's wide in her breast, and good at the pail; She's fine in her bone, and silky of skin-
- She's a grazier's without and a butcher's within.

# .38

#### "Wake Up"

Wake up! gentlemen! Wake up! Take the up-to-date FARMING WORLD. Every issue gets better and better; you are missing a lot of good solid infor-mation.—Salem Franklin, Norfolk Co.,



# The National

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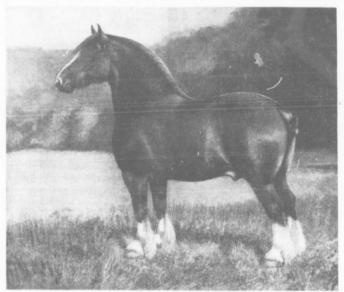
# The Ottawa Winter Fair

The Eastern Live Stock and Poultry Show was held at Lansdowne Park, Ot-tawa, March 7-10, and while under some dawa, March 1-10, and while under some disadvantages owing to the second dis-aster to the pavilion and the consequent abe showing, both in entries and at-tendance. The presence of the "ponies" tendance. The presence of the "pomes-at last year's show, together with the National Live Stock convention, made things in general a good deal livelier at the meeting of 1904, but in the classes shown the rule was larger entry lists, with better general quality. In the

#### FAT STOCK

PAT STOCK classes the contest was between good ones. Jas. Leask, of Greenbank, had out a string of choice ones; W. C. Edwards & Co., had strong and classy representatives of the Pine Grove Short-horn herd, and Jas. Wilson & Sons, of Fergus, Ont., were also to the front with

were of a kind that made them well worth the placing they got, and it only requires a little competition to show the public what a breeder Col. McRae really public what a breeder Col. McRae really is. In grades, the competition, though not represented by the numbers out at Guelph, was good and strong. Jas-Leask was ou deek as usual, with a splendid roam fellow, and got first place. D. B. Scott, of Fergus, came second. Leask third again, and T. J. Graham, of Mosigrove, fourth—a good strong class, the centre of keenest interest. Leask again scored one and two with a splendid nois of venetimes, and the show splendid pair of yearlings, and the show splendid pair of yearings, and the show would have been a poor one without the western men, for it was Jos, Lind-say, of Fergus, who got third, with Geo. Armstrong, of Speedside, fourth. In three-year cow or heifer, Jas. Wilson & Sons, of Fergus, got Ist on a heauti-ful heifer, and it began to look as if that carload of live stock that cance ably choice ones, while Geo. Stewart, of Burford, in bacon hogs, was the lead-ing winner. R. Reid & Co., of Hinton-burg, exhibited a lot of excellent Tam-worth swine. J. Richardson, of South March, won first and second in sows 6 months and under 9, and A. M. Stew-art, of Dalmeny. Ont., was placed in a few classes, the majority of the tonburg, their stock being of ine quality and from imported stock. In Berkshires and from imported stock. In Berkshires W. Wilson, of Brampton, had a good pen out, getting second and third on sows 6 months and under 9, first, second, third on sows under 6 months, second on barrow under 6 months, with Reid & Co., first on barrow under 6 months, & Co., first on barrow under 6 months, first on sow under 9 months and fourth on sows under 6 months. Bacon pure-breds for export, J. E. Brethour got first and second, Reid & Co. hird, with Stewart, of Dalmeny, next in line. In grade bacon loog G. Stewart, of Bur-ford, landed first and second, with Wilson, of Brampton, third. Best carcases,



Clydesdale Stallon, Premier Prince (10248), a son of Prince Alexander (8890, dam Marv of Myston (12080). He is a fair representative of the stock which Alex, Galbraith & Son have on hand both at Jamesville, Wis, and Brandon, Manitoba.

a fine heifer, which showed the careful fitting that has landed them once at least the championship at Guelph Winter least the championship at Guieph Winter Fair in 1903. In most classes of live stock better fitting was noticeable, the fat and export steers showing a closer approach to "finish" than last year. In two-year Shorthorn steers Mr. Joseph Armstrong, of Speedside, Ott., had it all ble one war with these varer nice Armstrong, of Speedside, Ont., had it all his own way with two very nice breedy-looking animals and also first in yearlings. Pritchard Bros., of Fergus, got the red for Shorthorn steer under one year. W. C. Edwards & Co. in three-year cow or heifer, had to best a good hard one from the stable of Jas. Leask, hard one from the stable of Jas. Leask, but the former firm had it their own way in heifers of all ages, having a splendid string out that did a lot to make the show worth coming to see. In Galloways, the herd of Col. McRac. of Guelph, were the only exhibits, but they

down from Guelph would wear lots down from Guelah would wear lots of color on the return trip. Leask came second in this class, with R. Reid & Co., of Hintonburg, third. In two-year heifers Leask stood first, with G. Armstrong, of Speedside, second Leask was again first and second in yearlings, and won the championship with his yearling red and white steer. In export steers there was some com-present the second second second second to the second fourth of Jas. Leask and third and fourth of Jas. Leask and thind and fourth of Jas. Leask Mossgrove. In SWINE

the bacon breeds were in preponder-ance, and excellent pens were shown by a few of Ontario's leading breeders. J. E. Brethour, of Burford, Ont, had out a number of fine and uniformly use-ful types. Jas, Wilson & Sons, of Fer-gus. were also out with a few remark-

pure-breds, some change in placing, Brethour got sweepstakes, Reid & Co, second and third. Stewart, of Burford, one, two, three in grades; Brethour winning sweepstakes lots in living and dead hogs.

#### SHEEP

The entry list in sheep was not a large The entry list in sheep was not a large one, but the competition was often close, especially in the Shrops, of which good representatives were sent by Lloyd-Jones Bros., of Burford, and W. C. Edwards, of Rockland. There were excellent pens of ewes, and strong competition in wettives. LL-Col. McCrae showed Cotwolds. In Oxfords J. A. Richard-son. South March, and J. A. Juli, Guelph, were out, the former getting the bulk of the prizes. W. C. Edwards & Co. had rather the best of it in Shrops, while Lloyd-Jones had one first (Continued on Page 247.)

# In the Dairy

#### Don't Make Fodder Cheese

The Montreal Produce Merchants Association has issued its annual cir-cular to the dairymen of Canada, repeating and emphasizing its former objec-tion: "That the manufacture of fodder cheese is detrimental to the interests of l and should be discontinued." The circular then continues: "The

experience of the past has shown that for the most part cheese made from fodder milk is not of a quality good enough to enhance the reputation of Canadian cheese or increase its consumpby the British public. tion has been found that on the average the quantity of cheese produced during our grass season is about as much as can be consumed at prices profitable to the producer.

"The Association appreciates the fact that the disposal of milk produced be-fore the opening and after the close of the cheese season is an important ques-tion, but in view of the improved methods introduced in the manufacture butter in recent years, and the superior quality now produced from fodder milk with increased demand at remunerative prices, the Association confidently re-commends that wherever possible butter should be manufactured instead of cheese during the winter season, or say from the 15th November to the 1st of Max." prices, the Association confidently re-May.

#### .16 The Farm Separator Pays

That the farm separator pays is well shown by J. F. Breen, a well known Wisconsin dairyman. He makes the following comparative statement as to receipts from the whole milk and farm separator system:

separator system: "In the spring of 1901 we had on our farm a herd of grade cows, and statis-tics here given are for the month of June of that year for milk taken to a creamery in comparison with the same month in 1902 for cream from a hand separator. For the month of June, 1901, separator. For the month of june, 1901, our six cows gave an average of 172 pounds of milk per day, or 5,160 pounds for the month. This, milk tested 4.2, which gave us 216.72 pounds of butter, which sold at 20 cents a pound, bring-ing an income of \$43.34 for the month, of \$7.22 per cow. For making and sell-ing the butter the creamery company charged 2 cents per pound and the over

run. "In June, 1902, we had the same herd "In June, 1003, we had the same hero of cows that gave an average of the same amount of milk, i.e., 172 pounds daily, or 5,160 pounds for the month. This we separated with a separator, skimming out 17 pounds per hundred, or \$77.2 pounds of cream for the month. We sent the cream to the same creamery where we had sent the milk the year before. This they made into butter and before. This they made into butter and sold for the over run, a saving of 2 cents a pound. The cream testing 30, giving us 203.1 pounds of butter, or 46.44 pounds more butter than was made from the same quantity of milk the years before, the price of the year before, would give us \$9.983; but because of the saving of 2 cents per pound in mak-ing, sold for 22 cents, another saving ing, sold for 22 cents per pould in maxing on the 263.1 pounds of butter of \$5.26, making a total saving of \$14.54 for the month; or, in other words, those six cows made for us in the month of June, 1901, without a separator, \$43.34, and in June, 1902, with a separator, \$57.88, or an increase of \$2.42 per cow. That is, the separator made an increase in our income of 35 per cent." This is only the money received from butter alone. When the difference in

the feeding value of the skimmed milk when fed right from the separator, warm and sweet, and milk that has stood in a sour, dirty tank, and then drawn several miles on a hot day, we must add another sum to the farm separator's 12

#### Care of Milk in Winter

If the cow be kept clean and the milk be drawn in a cleanly manner into a clean pail by a clean person and be re-moved shortly after straining from the barn, there is no reason why winter milk should have a "cowy odor." This "cowy odor" is usually caused by filth cowy odor is usually caused by ntm which drops into the milk during the milking, or is absorbed by the milk from the foul air in the stable. Milk should be removed from the stable before it cools to the temperature

of the stable air; otherwise it will

absorb taints rapidly. After straining the milk does not usually require any special cooling usually require any special cooling other than that which takes place from the cold air, if it be stirred occasionally to prevent the cream rising and to into prevent the cream rising and to in-sure uniform cooling throughout the whole mass of milk. It is also neces-sary to prevent the milk freezing in order to obtain the best results.

If sent to a winter creamery, it should be delivered as least three times a week. If manufactured on the farm, it should The maturature of the farm, it should be made into butter as soon as possible after it is drawn from the cow. The longer that milk is kept before being made into butter, the poorer will be the product.—Prof. H. H. Dean, O.A.C.,

#### .4 Guelph Dairy School Notes

During the school term we aim to conduct a limited number of experiments chiefly for the benefit of the students. In February a number were conducted that are of interest to dairymen.

#### IN THE DAIRY STABLE

The experiments with cows receiv ing 4, 8 and 12 lbs. of meal per day will not finish until the end of March. but the general results indicate that about 8 lbs. of meal per day is sufficient for the average cow giving three to four gallons of milk daily.

Two calves on hay, silage, skim milk, bran, oats and oil cake gained 101 pounds Two other in 21 days during February. calves fed on a similar ration except that the oats and oil cake were replaced with "Blatchford's Calf Meal," gained 76 pounds in 21 days.

#### IN THE TESTING ROOM

The use of an 18 c.c. pipette for samp-ling cream produces relatively lower results in ripe than in sweet cream. Where the Babcock test is used it places

a permium on sweet cream, There is a strong desire on the part

of owners of cream gathering creameries to have the spring balance made a legal scale. We have used one of these for weighing milk in the dairy stable for weighing milk in the dairy stable for about fourteen years. In a recent test it was only one ounce short on twenty pounds. So far as we can see there is no objection to its use.

#### CHEESE MAKING

In cutting curds at different stages of firmness we found that cutting curd very carefully when slightly tender gives the best results.

gives the best results. Three brands of cheese color were tested and found to be all of equal strength and the general results were alike, so far as could be determined by examining the curds. The cheese are too green for testing at this date.

#### FACTORY BUTTER

Pasteurization of ripened cream at 185 degrees F, vs. heating of similar cream to 130 degrees F. The cream was a mixture of cream-gathered and that obtained from whole milk. In contained 35 per cent. fat. The cream was allowed to ripen naturally for 24 hours. The acidity was .54 per cent, and the flavor was poor and typical of this class of ripening. Half of the cream was pasteurized at 185 degrees F, and the other half was heated to 130 degreesF. The Farrington Pasteurizer was used in both cases and the covers were left off. The flavor was improved in each case by the heating. The cream was cooled The flavor was improved in each case by the heating. The cream was cooled to 52 degrees and churned 18 hours after this treatment. No culture was added and practically no further de-velopment of acid took place in either

When the butter was examined a few few days after being made there was a difference of opinion as to which was a difference of opinion as to which was of better quality. When examined again in about two weeks' time there was still a difference of opinion as to the relative value of the two samples. Most of the judges thought the butter made from heating to 185 degrees? was "cleaner" in flavor. Both lots were inferior but-

#### FARM DAIRY

Several trials were made, comparing temperatures of 75 degrees F, and 95 degrees F, for separating milk with the hand machines and it was found that the loss of fat in skim milk was nearly double by running the milk through at double by running the milk through at the lower temperature. In most caves the milk was "old" and the loss greater than would be the case with fresh milk. However, these tests indicate the importance of having the milk at a tem-perature of \$5 to 95 degrees in winter

From experiments conducted Miss Rose is of the opinion that the ripening of cream is not an important factor in the length of time required for churning, and if the churning temperature be properly controlled very little extra loss of butter fat is substained in the butter-milk.—Prof. H. H. Dean.





#### The Songs of Earth

The songs of earth are not all sung Not while a human heart may beat The measure of love's cadence sweet: Not while a woman through life's pain Can rule her lips to smile again: Not while a man who toils alone Earns bread and leaves the tempter's

stone: stone: Not while earth's children wake to cry Until they hear a lullaby. No, no, the songs are not all sung, Love's language ever finds a tongue.

#### 38 The Wife of Our Governor-General (Canadian Good Housekeeping.)

**T**HE home life of the family now resident at Rideau Hall is an exceedingly happy one, and circles about one gracious and womanly figure-the centre of admiration, love and devotion, Her Excellency the Countess Grey. And none better deserves this affection and devotion than does the beautiful mistress of Government House, for hers is a nature bright, thoughtful, tactful and sym-

One's first impression upon meeting The Excellency is of her lovable wo-manliness—her gracious and charming femininity—and this impression is strengthened with each time of meet-ing. Greeted with kindly courtesy and ing. Orected with kindly converse and unaffected naturalness, one immediately feels at ease in her presence, while her real and personal interest and her tender thoughtfulness for others at once

Lady Grey is extremely fond of chil-dren, and is very good to the little ones connected with the vice-regal household. connected with the vice-regal household. In fact, all who are connected with the household have already followed the ex-ample of the Jenanits at home, and are devoted to Her Excellency, who takes a warm and personal interest in their doings and pursuits. Lady Grey is a charming companion, bright, clever and intensely sympathetic.

She possesses a keen sense of humor, and an enthusiastic appreciation of life. Her daughters adore her, for she is to them companion as well as parent, shar-ing their pleasures and enjoyments, their sports and their pastimes.

Her Excellency's particular hobby, though not her only one, is horticulture, though not her only one, is horticulture, and she is especially fond of landscape gardening. She loves plants and thowers and has a real and scientific knowledge of them. Yet it is noticeable that while her predecessor, the Countess of Minto, was seldom seen without means the case with the present chardenine of Government House and her daughters. daughters

daughters. Lady Grey is a very talented artist, and her rooms at Rideau Hall are full of beautiful works of art from her own elvere brush. Another of her accom-plishmetts is enameling, and the dainty green enamel butterflies which her danghters often wear are bits of Her Excellency's handiwork. She is very fond of music, and is a skilful planist, as is her youngest daughter, the Lady Evelyn Grey. To these she adds another accomplishment in that she is

an excellent sick nurse, and her intellian excellent sick norse, and her intelli-gent knowledge of that art combined with her common sense and practical business ability, make her counsel in-valuable in organizations for hospital work or district nursing. She has al-ready visited the various hospitals of the Capital, and also of Montreal and has given evidence of her great interest in the work of the Victorian Order of Nurses. Her excellent business capacity makes her a valued addition to all charmakes her a valued addition to all char-itable and benevolent organizations, and she is by no means chary of her aid and patronage whenever the cause is a deserving one

deserving one: But Lady Grey is not admired only for her qualities of mind, her accom-plishments and her charming personality. She is a beautiful woman. Her features are becoming familiar to Canadians through her photographs, which, how-ever, hardly do her justice. In figure

she is above the medium height, with a stately and dignified bearing, quite free from the slightest suspicion of haughti-ness. Her hair, in shade a light brown, is abundant, and always carefully and becomingly arranged. Her eyes, too, becomingly arranged. Her eyes, too, are brown-hazel-brown-and very ex-pressive and her smile is particularly winning. Her complexion is exquisite, with the freshness and delicate texture of a child's, and its softness is enhanced by the dainty touch of creamy lace which she usually wears at her throat, for Lady Grey, as an artist should, thor-oughly understands how to dress, 38

The world is a looking-glass, Wherein ourselves are shown, Kindness for kindness, cheer for cheer,

Coldness for gloom, repulse for fear. To every soul its own. We cannot change the world a whit, Only ourselves which look in it.



Her Excellency, Countess Grey.



Stuck Fast.

# Two Nights On a Snowbound Train By Neil Mack

T HE newspapers have been telling of blockaded railroads in various parts of Ontario, and particularly in Nova Scotia and New Brunswick. Twenty feet of driven snow across the railway track is an obstruction that even the most powerful snowplow can do little against, and when the engine and plow have gone as far, and with as much force, as they can, there is nothing for it but to stay there till the road is cleared or till assistance comes from the nearest station. Snow is a hard fighter; in January an engine on one of the Nova Scotia railways was run at full speed into a heavy drift, and the result was that another engine went down and brought her back-a wreck.

Reading some of these reports of storms and blockades brought to mind storms and blockades brought to mild an experience of my own a few years ago, when the train on which I was travelling stuck fast in a drift, and was held for nearly forty-eight hours. It was on one of the eastern roads and in the month of February, just after a heavy snow and wind storm had swept

heavy snow and wind storm had swept across the country from the Atlantic. "Bad weather for travelling" was what everyone said, and there was reason to think so before the journey was over. We had gone some twenty miles, with increasing difficulty, when in an open stretch of farm country the engine and snowplow came to a stop and could be forced not a foot further. A drift of snow nearly as high as the plow itself effectually blocked the way. It was then about the middle of the afternoon, and when the word was passed through and when the word was passed through the passenger car that we were stalled, we prepared to spend the night as com-fortably as possible. There were fifty or more passengers, mostly men, but including also several ladies and children

By five o'clock everyone was hungry By the octock everyone was fungry. But the supply of eatables was limited. From under the seats a half-dozen or so lunch baskets were brought out, which were no more than sufficient for the women and children. For the rest

of the party the resources of the news agent were drawn upon, but all he was agent were drawn upon, but all he was able to furnish were some oranges and fancy biscuit. It was a light supper, and even then something must be left for next morning.

We all became very neighborly. Be-fore, we neither knew nor cared to know one another, but now that we were "in for it," as one of the boys said, we soon became as intimate as if we had all been next-door neighbors. It was a disposed to make the best of it. For what else could we do?

And, after all, we had a very good time that evening; at least we would have thought so had it not been that we were snowbound. We all organized ourselves into an entertainment committee. Two or three of the gentlemen read some short stories aloud; a quartette of two violins, a mouth organ, and a jew's harp was organized and did good service, while everybody who could, sang vice, while everybody who could, sang: then some games were produced and finally several of the men exchanged travellers' tales, some of which were truly wonderful. By this time, the younger folks had fallen asleep, and one by one we all picked out a place for the night. There was not much choice: the car seats were all alike, and we could do no more than pile up our coats for bedding and our valises for pillows.

In the morning we woke to find that through the night the storm had filled in the track behind us as well as ahead in the Irack vennud us as weil as aneau of us, so that we were more effectually stuck than ever. It was not a pleasant prospect for the day. But something to eat was our first concern. The little left over from the night before would make but a mouthful for half a hundred persons. Four of the men volunteered to tramp across the snow, on snowshoes found in the baggage car, and get a supply of food at the nearest farm house. Supply of food at the nearest farm house. They returned several hours later with bread, butter and milk, which were re-ceived almost as gladly as timely succor would be received by a famished gar-

At noon two engines, with snowplow and crew of shovellers, reached us from behind. Other engines followed, until

there were five in a line. But before they could push us ahead, the snow bank in front must be shovelled away, and the "wreckers" at once set to it. Meanwhile, the fireman was having difficulty in keeping steam up in our own engine; the water was exhausted, and in place of it the train crew fed the engine with snow.

All the rest of the day, the shovellers persevered in their almost hopeless task: persevered in their almost hopeless task; and all day long we in the car tried to be cheerful. The day before, there had been some novelly in the experience, but this had gone now, and at six o'clock, with still no sign of relase, we pre-pared at another mill on the service of the parent of the supply of oil gave out and the car was left in darkness. We were stilled on Wednesday after.

and the car was feft in darkness. We were stalled on Wednesday after-noon; late on Friday morning the road was cleared, and the train succeeded in getting away. It was none too soon, for, with all our supplies exhausted, another night would have been almost unbearable. You may be assured that every one of the fifty passengers was thoroughly glad when the end came to our imprisonment. As for myself, while I have never since been on a blockaded train, I have had a wholesome respect for snowbanks.

#### .12 A Use for Old Newspapers

Here is a hint that the writer got from the head clerk of a big hotel. We from the head clerk of a long hold, when the head clerk of a long hold, and how disagreeable, as well as unhealthy it is to inhale it while sweeping. Now the way that the carpet sweepers at this resort keen down the dust while wild ing the broom, is to wet newspapers, wring them out slightly, and tearing them into small pieces, scatter them all them into small pieces, scatter them all over the surface they are going to sweep. The little dampening brightens the carpets without injuring them in the least, and the moist paper effectually keeps down the dust, or at least the greater portion of it, by catching it on itself. The paper is then borns, which is the rid of it. When brussels carpets howe become somewhat dinky, the water become somewhat dingy, the water in which the paper is wet might have a little turpentine added to it, as it has a refreshing and brightening effect, and has a tendency to keep the carpet free of insects and moths,

One way to prevent the dust from entering the throat and lungs while sweep-ing, is to tie a small sponge over the mouth and nose. A person can breathe all right through the porous sponge, and it takes up the dust which would otherwise be inhaled.

# 38

#### "Clean"

"Clear" One man can say a word and it is as superficial as a saucer, another man can use the same word and it is as pro-found as possible. I heard a scavenger say the other day, when he had swept a street, "Now, I think' it is clean," and the very next day I heard a surgeon say the same thing, "You must have your instruments clean," but I don't think the scavenger and the surgeon used the word with precisely the same meaning. When a surgeon uses the word "clean" he uses it with almost incredible intensity. When a surgeon uses that word he means something quite differintensity. When a surgeon uses that word he means something quite differ-ent from the scavenger. They are both employing the same term, but one with almost incredible depth of power, and the other with a considerable amount of

Well, any one can use the word "virtue," but the meanings are divided by an infinite gulf.

## AND CANADIAN FARM AND HOME



#### A Song of Snow-Time Sing a song of snow-time

Now it's passing by, Million little fleecy flakes Falling from the sky; When the ground is covered, And the hedge and trees, There will be a gay time For the chickadees

Boys are in the school house, Drawing on their slates Pictures of the coasting place, And thinking of their skates; Girls are nodding knowingly,

Smilingly about, Thinking of a gay time When the school is out.

Three o'clock, four o'clock, Bang! goes the bell; Get your hats and cloaks and wraps, Hurry off pell-mell! Bring along the coasters all

If you want some fun; Up to the hill-top

' run! Jump and slide .

Steady now! Ready now! Each in his place! Here we go, there we go,

Down on a race! Sing a song of snow-time, When the flakes fall;

Coast-time, skate-time, Best time of all!

.32

#### The Mysterious Player

"Molly," mamma called, softly, "don't, dear! Baby's just beginning to get sleepy."

The sharp little patter of trills and scales on the piano kept on, undimin-

"Molly, stop playing at once !" Mamma's avoing, stop praying at once: ' Mamma's voice had the ring of command in it, but the patter of notes still continued. She did not dare to move, for baby's eyes were narrowing drowsily to little blue slits, and they must not fly open again. When at last the noise stopped, they were shut, and baby had landed on Noddle's Island after a long trip on a "choppy" sea.

"choppy" sea. Molly tiptoed into the room. "Molly," mamma said, gravely, "didn't you hear me tell you to stop drumming on the piano

"Why, I never, mamma!" whispered Molly, surprised. "I haven't been in the music room at all!"

"Then it must have been Faith, but it didn't sound like her. She really plays little tunes." "Faithie's out in the hammock,

"Faithle's out in the manusce-mama." "Why!" mamma said. "And the boys are gone. Who could— Hark!" The patter of notes again, running up and down the keyboard. Molly's cyes grew big with astonishment. It was a queer little tuncless jig, with rests and "andantes" and "fortissimos" playing tag through it, and A flats and B sharps stepping on each other's heels. .Then it stopped short. Mamma held out her hand to Molly, and they stole to the music room door together. No one there. Peter Purr lay curled on the sofa in a doze, not looking at all as if he had just seen a ghost. So the enser little mystery stayed undiscovered as if he had just seen a ghost. So the queer little mystery stayed undiscovered until, a day or two after, Molly suddenly stepped right into the middle of it. She

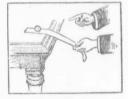
was hurrying through the hall when she heard the piano "going" again in the funny way.

"O, my !" she thought. "Ther playing on itself again-why-ee ! "O, my !" "There 'tis

playing on itself again—why-ee!" Hore was Peter Purr playing a tune all to himself! Peter Purr laying a tune all to himself! Peter Purr! Who ever would have thought? Molly stood and watched him do it. He leaped from the plano stool to the keyboard, and whikked lightly back and forth, in great delight at his own music. His soft, padded toes stuck the notes gently and made finnny trills and quayers. Over and over and then it came to a sudden end. Peter Purr leaped down to the floor, and before Molly could unserve whe little round "O!" of astonishment her lips made, he was fast asleep on the soft. made, he was fast asleep on the sofa-.12

#### The Standing Coin

Take a long, narrow strip of paper and upon it place a five cent piece in an upright position, as shown in the picture. Take the end of the paper in the left hand and strike it rapidly and



forcibly with the right. Give a sudden pull, and you have the paper in your hand, while the coin stands in the posi-tion it did before. It would seem as if the coin must fall, but try it, and with a little practice you will be able to accomplish the trick.

#### 38

#### Some Good Conundrums

We won't vouch for the novelty of all the following brain-twisters, for no one ever broaches a conundrum in a com-pany but some one has heard it before. However, not one of you have seen all

of these: Why is the letter A the best remedy for a deaf woman? Because it makes

for a deal woman? Because in index-her hear. Why is bread like the sun? Because when it rises it is light. Which was the largest island before Australia was discovered? Australia. What trade should be recommended to a short person? Grocer (grow, ii'). When is money wet? When it is due Clamb in the morning and missed

When is money wet? When it is due (dew) in the morning and missed (mit) in the evening. What is the difference between the Prince of Wales, an orphan, a bald-headed old man, and the gorilla? The first is an heir apparent, the second has ne'er a parent, dhe third has no hair apparent, and the fourth has a hairy orrent. parent.

What is larger for being cut at both

what is larger for being cut at both ends? A ditch. Why is a watch dog bigger by night than by day? Because he is let out at night and taken in the morning.

Under what conditions might hand-

kerchiefs be used in building a wall? If they became brick (*be cambric*). If Rider Haggard had been Lew Wal-lace, who would "She" have been Lew Wal-lace, who would "She" have been? She would have "Ben Hur." Which is the most dangerous season of the year to walk in the woods, and why? In the spring, because the trees shoot, the flowers have puisils, and the builrush is (*buil rushas*) out. If the albabet were invited out to

If the alphabet were invited out to supper, which of the letters would get there late? All those letters which come after "t

#### Mother's Way

Whenever I am bad all day

Until I'm really shamed to pray, I wait till mother comes to say, "Good night, dear child," That's mother's way.

And then, somehow, I don't know why,

I tell her everything and cry. She hugs me then and right away I feel less sad. That's mother's way.

And mother kneels down by my bed

And pulls my face close to her head, And we both snuggle down and pray. That's why I'm glad fo: mother's way. .12

#### Three Things

Three things to love : Courage, gentleness, affection. Three things to admire: Intellect,

dignity, and gracefulness

Three things to hate: Cruelty, arrog-ce, and ingratitude.

ance, and ingratitude. Three things to delight in: Beauty, frankness, and freedom.

Three things to like: Cordiality, good humor, and cheerfulness.

humor, and cherruiness. Three things to avoid: Idleness, lo-quacity, and flippant jesting. Three things to cultivate; Good books, good friends, and good humor.

Three things to contend for: Honor, country and friends.

Three things to govern: Temper, tongue, and conduct. Two things to think of: Death and cternity.—Henry Van Dyke, D.D.

#### .12 Politeness Taught in School

Said the teacher to the grammar class, To which our boys belong. "The horse and cow is in the field, Now, what in that is wrong?"

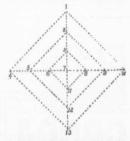
"The cow and horse is in the field,"

Spake one in manners versed; "Because, you know, 'tis more polite To mention ladies first."

#### 30.

#### Try to Solve this Puzzle

The puzzle is to trace over the dotted lines without going over any part of a



line twice until the whole diagram has been covered, the pen to be taken off the paper only once between starting and finishing.

228





I BUSH, OATS FREE Darch & Hunter, London Oat Dept

No Breakfast Table complete without



food, with all An admirable An admirable food, with all its natural qualities intact, fitted to build up and maintain robust health, and to resist winter's extreme cold. It is a valuable diet for children.



THE FARMING WORLD

15 March, 1905

IF KITCHF

#### Raked Beans

Didst ever hear-oh, ye epicure-of the lumberman's baked beans, the deli-catessen of the backwoods, the twentyone-times-a-week provender that floats in amber juices and that when mined in the morning from the bean hole emit such delicious odor as to make mouths water all along the border? The cook and the cookee join drives in insidding up this monument to high art in culin-ary. The wood cook usually bakes a tin washboiler nearly full of beans, first parboiling them before he gets them ready for the pot. Then he peels an onion and slices it into the bottom of the Then he pours in half the beans: then slices over them another onion; then slices over them another onion; then puts in the chunks of salt fat pork; then douses in the rest of the beans. Over all this he pours a pint of molasses and then more pork. Just enough water is added to cover the beans, and then a is added to cover the beans, and then a sheet of birch bark is placed over the top of the pot and the cover pounded in tight. When the water begins to steam the bark swells and seals the pot, holding in all the flavor. The cookee (there's all the difference in the world between the cook and the cookee) builds the fire in the bean hole. When the birch wood has heated the stones that line the hole and has itself burned to redhot coals most of the coals are taken out and the beans are put in. The beans are placed in the hole in the afternoon. They stay there all night. In the morning they are dug out. All other baked beans are libels on the name, for these have the sauce of the pine and spruce.

#### Some More Recipes

Cream Sponge Cake .-- Whip separately and then thoroughly together the yolks and whites of three eggs; add one cup of sugar, one-third of a cup of milk, one-half of a teaspoonful of soda mixed in two scant cupfuls of flour, and one teaspoonful of cream of tar-tar, dissolved in milk. Bake in a square tin, and if desired split when cool and add a filling.

Rice Pudding .- Boil half a pound of *Rice Pudding.*—Boil half a pound of rice in milk until it is quite tender, beat it well with a wooden spoon to wash the grains; add three-quarters of a pound of sugar and the same of melted botter; half a nutmer, six eggs, a gill of wine, some grated lemon peel; put a change it may be boiled and eaten with butter, sugar and wine.

Dessert Puffs .- Take one pint of milk Dessert Pulis.—Take one pint of milk and cream each, the whites of four eggs beaten to a still froth, one heaping cup-ful of sifted four, one scant cupful of powdered sugar; add a little agrated lemon peel and a little sait. Beat these ingredients all together until verv light, bake in gem pans, sift pulverized sugar over them and eat with a sauce flavored with lemon.

A Novel Cranberry Pie.-Take a good-sized cupful of cranberries, cut them in sized cupful of cranberries, cut them in two and put them in cold water to draw out the seeds. Mix a tablespoonful of flour with a cupful of sugar, and then add slowly a scant cupful of boiling water and half a cupful of raisins stoned and cut in two. Lift the cranberries out of the cold water which should be thrown away, and mix them with the

other ingredients. Bake between two crusts. Sometimes a teaspoonful of vanilla is added.

Fried Graham Muffins .- For them mix one and a half pints of graham flour with half a cup of sugar, a cup of wheat flour and a teaspoonful of salt. wheat hour and a teappointur or sam. Sift with two teapponfuls of cream of tartar and one of soda, or two "rounded" teapponfuls of baking powrounded teaspoontus of baking pow-der. Then add two well beaten eggs and a pint of milk. Dip large spoon-fuls of the dough in hot lard, and fry them a golden brown. Serve hot. Baked Turnips.—Wash and pare a

Baked Turnips.—Wash and pare a good sized turnip, and then et in eross-wise slices about a quarter of an inch thick; boil until tender, but not too soft; then remove carefully, and place in a pan with a sponful of butter, three tablesponfuls of water and a little sail, and bake until a nice brown. When done place in a vegetable dish and cover the tablespone. with melted butter. Serve hot. .10

#### Nourishing School Lunches

Nourising school sources The subject of luncheous for the little ones attending school is not generally given the thought and care it deserves. In "putting up" the lunch aim at variety: use more fruit and less meat is a good rule for most lunches, especially for the children. The following, according to Good Housebeeping, is an arrangement for non-weight.

for one week: Monday-Cold tongue, "patty" cakes, bread and butter, fresh fruit.

Tuesday-Cheese sandwich, cake, cus-tard, bread and butter.

Wednesday—Egg sandwich, canned fruit, wafers, tea cakes. Thursday—Meat sandwich, buttered

crackers, graham bread, fruit. Friday-Sliced meat, bread and butter,

pickles, cookies, custard. To each of the above add a small

flask of milk. .41

#### Teach Little Girls to Cook

On rainy days, or when dolls tem-porarily lose their charm, there is no greater delight to the little girls of a family chan to be allowed to go and make "messes" in the kitchen. There is no reason, however, why they always should be "messes," and why the housewifely instinct should not be turned to profitable acount. If the nurse or mother would oversee some of the amanother would oversee some of the ama-teur cooking of the children and reduce some simple recipes from the ratio of cupfuls to spoonfuls, some very de-licious little dishes could be made, and an endless amusement and really useful knowledge gained by the child, Cakes which currants in them are always a pleasure for them to attempt, or little tea biscuits and things they can show "father" and get him to eat if they can, and of course the range of simple candies is unlimited.

A contemporary suggests that house-A contemporary suggests that noise-hold clubs might be formed among the little girls of a neighborhood, and an afternoon every one or two weeks given anternoon every one of two weeks given up to their cooking experiments. The little cooks themselves ought to prepare the supper, and without doubt they would soon be found capable of getting up a really palatable meal.

#### .38

A useful hint regarding the baking of potatoes is to cut a small piece from the end to allow the steam to escape.

#### Guests of Every Day

Homely work is mine to-day-Floors to sween and fires to lay, Plates to wash and clothes to mend; Work which never seems to end, Yet I pray,

Jesus, be my Guest to-day. Not as One to dwell apart In the spare room of my heart, But as one to whom my prayer May confide the smallest care, Thus I pray, Lord, be Thou my Guest to-day!

At the closing of the day, When once more my heart shall say, In this busy life of mine: "All the glory, Lord, is Thine! Christ, I pray, Be the Guest of cover day "

Be the Guest of every day 35

#### Oil on the Coffee

The cup of black coffee had on its trface a little oil. This oil shimmered, surface a little oil. This oil shimmered, it gave forth delicate, changing colors, like oil on water. The man who was about to drink the coffee gazed at it

"The oil," he said, "tells me all 1 want to know about the coffee. Now, without tasting it, I am sure it is su-neeb." perb

"The whole secret of making coffee." he went on, "lies in extracting and re-taining this oil. This oil it is which gives coffee its aromatic and delicious aves correctly a nonlate and dericious taste. This oil it is also which stimulates you, which makes you feel, after you have drunk, strong and gay. "Good coffee—the kind with oil afloat on it—can only be made by excellent

on h-can only be made by excertent, cooks. In millionaires' houses or in hotels where they employ French chefs, you are likely to get it. But the average housewife does not know how to make this adh which of articles at all this oily kind of coffee at all.

## 38

#### Concerning Molasses

Molasses is the product of sugar Molasses is the product or sugar cane, which is raised in the south, mostly in the State of Louisiana, says a writer in "Canadian Good House-keeping," Planting is done in January. Pieces of cane six feet long are planted in furrows a foot beneath the ground. The new cane springs from each joint. In this country, planting is done once in two years. It is a is done once in two years. It is a strange fact that in Cuba the plant-

is done once in two years. It is a strange fact that in Club the plant-ing is done but once in twenty years. The cane grows to the height of eight or nine feet. In October, when the crop is taken, the stalks are cut off a foot from the ground. In the boiling house, the cane is placed on an endless belt and passes the jugh or of toils. These press he jugh or of toils. These press the jugh or of toils. These press the jugh or of toils. These press the jugh on the belt, it is sprayed with water, which gathers the remain-ing saccharine. It then passes through another and tighter set of rolls, which extract this remainder. After leaving this set of rolls, the cane is crushed to a pulp and is used for fuel. The juice collected in the tank is now boiled to the point of crystallization. The whole is placed in a centringal pan revolving at a high rate of speed. The molasses is thrown out and the raw sugar stays in the pan. This is known as "firsts,' fine in quality and large in grain.

The juice thrown out by the centrilugal process still contains forty to fifty per cent. of sugar. It is mixed with an equal quantity of fresh sacwith an equal quantity of fresh sac-charine, put through another boiling and again placed in the centrifugal pan. By the addition of this fresh saccharine before the second boiling the planter secures a second run of "firsts" sugar. The molasses thrown

#### AND CANADIAN FARM AND HOME



A young wife decided to go to house-

keeping and do her own marketing. "Now I want to save all the money I

can," she told the grocer.

"I am going to buy just as economically as I can, and I am going to do my own cooking and bake my own bread.'

She saw some eggs.

"How much are eggs ?"

"Well, we have them at various prices. The best are thirty cents a dozen.

"My, how expensive! Haven't you some for twenty?"

"Yes m'am, but I can't recommend them.

"But we are trying to save money." "True, but you can't afford to save

money on eggs, butter and flour." "Those are three things you want good

and you can't have them too good. You can save in lots of ways but don't

do it on the necessities."

"What is your best flour ?"

"Royal Household."

"How much does it cost ?" He told her.

"Have you cheaper flour."

Yes, cheaper in price but really not as cheap in the end. You see in Royal Household Flour you get the largest amount of flour value for your money."

"What do you mean by 'flour value'?" "The largest amount of wheat nutri-

ment-of pure flour. "The cheaper the flour the less nutri-

ment it has in it and the more bran. "The bran is in all flour till its taken out.

"It's all taken out of Royal Household Flour, and that means the best machinery and the best milling.

"An | another thing, madam, perhaps you haven't heard of the new process used in making Royal Household Flour.

It is purified by Electricity and that seems to make all the difference in the world in flour.

"Everybody wants "Royal Household" now-they seem to think it is healthier, and I guess it is."

Suddenly she looked suspicious at the earnestness of his argument.

"Don't you make more money on Royal Household Flour?

"No m'am-not as much as we make on cheaper priced flour."

"Then why do you recommend it?"

"Because when a customer once tries 'Royal Household' our trouble is all over. It sells itself after that and we never have any complaints. If you send to The Ogilvie Flour Mills Co., Limited, Montreal, they will send you the Royal Household Recipes.

"Well; send me a' barrel of 'Royal Household ' then; and I'll have some of those 30c. eggs too."

#### FLOURFAX

Carrots are good for those having a tendency to gout.

out of the pan again goes through this boiling and centrifugal process and the sugar now taken is known as "acconds." After each boiling, the molasses taturally becomes poorer in urthight. The budd of its sacharine comes darker and of funer grain. Still another sugar is secured by allowing the molasses to stand in tanks for the molasses to stand in tanks for several months. The sugar remainseveral months. The sugar remain-ing is deposited by this method and is known as "thirds." It is so fine in grain as to be almost powder. The molasses having had all the best richmolasses having had all the best fich-ness removed is of the poorest qual-ity. Such is the process of making to-day. The planter wants the sugar. Molasses is simply a valuable by-

# A Codfish Dinner

Hard boil as many eggs as there are to be persons. Boil potatoes till they are nearly done, then drain them out and slice them into a skillet in which this slices of bacon are crisping. In another dish shred a very little unsoaked salled codifish, cover it with water and salted commin, cover it with water and cook until tender and the water has all evaporated. Add a cup of cream to this and turn it over the potatoes and bacon. The salt of the bacon and codfish is sufficient for the dish. A little pepper may be added if desired. To serve, pile the potato on a large platter and garnish with the eggs and parsley.

#### .12

#### How Sugar is Made White

The way in which sugar is made per The way in which sugar is made per-fectly white, it is said, was found out in a curious way. A hen that had gone through a clay mud puddle went with her muddy feet into a sugar house. It was observed by some that wherever the tracks were, the sugar was whited. This led to some experiments. The result was, the wet clay came to be used in refining sugar. It is used in this way. The sugar is put into earthen jars, shap-ed as you see the sugar loaves are ed as you see the sugar loaves are. The large ends are upwards. The smal-ler ends have a hole in hem. The jar is filled with sugar, the clay put over the top and kept wet. The moisture goes down through the sugar, and drops from the hole in the small end of the jar. This makes the sugar per-fectly white.

CABBAGE, PEASANT STYLE.—Cook a head of cabbage for fifteen minutes; drain and return to the saucepan with two ounces of butter; simmer till tender, chop and mash, seasoning with salt, nutmeg and pepper; stuff a linen bag two and a half inches in diameter with this and put under a weight until cold; cut down in even slices with a sharp knife, through bag and all, as you would a sausage; dip in egg and crumbs and fry. Dish alone, or serve half of the cabbage mashed and heated with cream in the centre, and lay the slices around it.

Spinach has great aperient qualities and is far better than medicine for sufferers from constipation.

# LIOUOR AND TOBACCO HABITS A MCTAGGART, M.D., C.M., 75 Yonge St., Toronto, Canada.

75 Tonge 98., scronsty, canama-References as to Dr. McTagravit professional studing and personal integrity permitted by : "W R. Barendis, Child Juvice... Dr. McTagravit vegetable remedies for the Dr. McTagravit vegetable remedies for the Integrative vegetable remedies for the integrative transmission. No hypodermio integrative home transmins. No hypodermio integrative home transmins. No hypodermio integrative none transminst. No hypodermio integrative or correspondences invited,

220

230

#### THE FARMING WORLD

15 March, 1905



#### A Creed

- I believe in human kindness Large amid the sons of men, Nobler far in willing blindness
- Than in censure's keenest ken. I believe in self-denial, And its secret throb of joy;
- by love that lives through trial, Dying not, though death destroy.
- I believe in love renewing All that sin hath swept away, Leavenlike its work pursuing
- Night by night and day by day; In the power of its remolding, In the grace of its remolding In the grace of its reprieve, In the gracy of beholding Its perfection—I believe.

# I believe in love eternal, Fixed in God's unchanging will,

- That beneath the deep infernal Hath a depth that's deeper still!
- In its patience—its endurance To forbear and to retrieve, In the large and full assurance
- Of its triumph-I believe -Norman Macleod.

### Getting Ready for Sunday

Old-fashioned mothers used to have a forehanded habit of taking day, in afternoon as a getting-ready day, in which to see that all necessary preparaforehanded habit of taking Saturday tion was made for the Sabbath. They had learned that the secret of readiness had learned that he secret of readiness lies in doing as many things as possible beforehand. So the children were called in from their play a long hour or more before "sundown," and the girls wene sent up to the "spare room" to lay out on the "best bed" there the things that were to be worn on Sunday, for themselves and the younger children. Provision had to be made for both

fair weather and foul, for it was a foregone conclusion that everybody was to go to church, whatever the weather. There were little white skirts with crisp ruffles over which dear hands had toiled, perhaps, but with no thought of drudgery; best hat and Sunday ribbons must come out, and every hook and eye and button be in place; even the handker-chief and Bible were placed ready.

Meanwhile the boys were busy out in he woodshed or up in the barn-chamber. Each pair of boots must have a "Sun-day shine." Suits had to be brushed, the torn hat-brim carried to mother to be mended. All this was the boys' and girls' own business. If they forgot or neglected or refused it, there was a mother who would know the reason

why. Have we outgrown the need of such a day of preparation? The house-keeper's Saturday is proverbially the busiest day of the week; the busy school busiest day of the week; the busy school teacher crowds i full of odds and ends for which she can find no other time, while in these days of children's parties one breathless week is allowed to lap into another with no blessed bridge of sleep and rest and preparation, even for the little ones. To our minds this is all wrong. There is a readiness of mind, as well

Infer is a reauness of mind, as well as of body and apparel, which should be looked out for. The repose of spirit which ushered in the old time Saboath was in itself a benediction. Work and playthings had been put away, and with them something else that might be call-

ed the week-day spirit. A beautiful leisure seemed to be in the air. There was room for "cuddles," time for loving. There Imagine children growing up in such a household hating Sunday.

We have no special measures of re-form to offer. We would merely like to suggest that, if Sunday is "the jewel of the week," it shines the brighter for future the state of the sector of the sector of the sector. of the week," it shines the brighter for a fitting setting. Many a busy man or women who has somehow "got out of the habit of churchgoing" would find the way smoothed to getting back into the good old paths by a little purposeful and forethoughtful preparation. That is the point—the purpose. Week-day re-creation may be taught for one day to give place to their betters. The Sunday heart, in fine, may be put on with the Sunday garment.

#### He is Near

Jesus is nearer than the seat you sit upon, nearer than the handkerchief that wipes the tears away. He is nearer than the arm of the loved one upon which you lean. Jesus is where you are at you rean. Jesus is where you are at this moment. He is passing by. He is going to speak to you. He is going to call you. He is going to lay that wounded hand on your heart to arrest your attention and open your eyes, to awaken new ideas, new loves, new foun-He is going to give you a chance. God help you to take it!

#### 3

#### Heaven on Earth

Not to one of all the unnumbered generations whose dust is blown upon the desert winds has it been permitted to breathe one syllable or letter of the awful secret beyond the grave. And yet the faith of man has not been shaken, nor, for all the deep, unbroken silence, has he ever ceased to believe that He who called us into being will bless, will save, will cherish the souls which He hath made. And all Christians have He hath made. And all Christians have dwelt with rature on the glowing sym-bols of the poet of the Apocalypse. Yet even these passages do not thrill the heart so keenly as others which simply tell of a life without life's agonies and the vision of God undarkened by mists of sin. If we desire heaven we must seek it here—If we love heaven we must love it now. Heaven means holiness; "Heaven means principle." Heaven means to be one with God— Frederic W. Farrar.

## A Prayer

O my God, Thou, and Thou alone, t all-wise and all-knowing! I believe art allthat Thou knowst just what is best for me. I believe that Thou lovest me bet-ter than I love myself, that Thou art ter than I tove myself, that Thou art all-wise is they providence and all-power-ful in Thy protection. I thank Thee, with all my heart, that Thou hast taken me out of my own keeping, and hast bidden me to pett myself in Thy hands. I can ask nothing better than this, to be The care not you cover the my Lord I can ask nothing octier than this, to be Thy care, not my our. O my Lord, through Thy grace I will follow Thee, withersoever Thou goost, and will not lead the way. I will wait on Thee for Thy guidance, then will I act in sim-plicity and without fear. Amen.



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#### AND CANADIAN FARM AND HOME



#### May Manton's Hints SHIRT WAIST 4951

Fresh variations of the shirt waist are constantly appearing, and always are met with enthusiasm and favor. This one when endustasm and tavor. This one is eminently attractive and can be uti-lized for all waistings, washable one unlined or those of all k or wool over the fitted foundation. As illustrated, heid by pearl buttoms. The tucks are withing and rules on the tucks are withing and rules on the original states and the fulles abless on the tucks are viding soft fullness below, and the closviding soit tunness below, and the edu-ing is made through the regulation box plait. The sleeves are the new ones that are full at both shoulders and wrists and are finished with prettily shaped cuffs.

The waist consists of the lining, fronts and backs, the back being drawn down in and backs, he back back back down in gathers at the waist line, while the fronts are made to blouse slightly over the belt. The sleeves are made in one piece each and the neck is finished with a regulation stock.

TUCKED BLOUSE OR SHIRT WAIST 4372

TUCKED BLOUES OR SHIRE WAIST 4/12 Dainty blouses, finely tucked, make attractive features of the incoming sea-son and are to be seen both in lingerie materials and in the many soft, thin silks. This one is adapted to all avail-able fabrics and can be made either lined or unlined, but in the case of the model combines. Persian lawn with trimming of add the structure and have made and the constructure of the model is a wide box plait, at the front, made in regulation shirt agait style, which can be a wide box plait at the front, made in regulation shirt wais style, which can be trimmed as illustrated or left plain as may be preferred. The tucks at the back extend from shoulder to waist line, but those at the front form a yoke and provide becoming fulness below the stitchings

The waist consists of the fitted foun dation, fronts and back, and is closed at the centre front either invisibly as



1951 Shirt Walst, 32 to 42 bust

32 to 40 bust.

illustrated, or by means of buttons and button holes worked through the centre of the box plait. The sleeves are full at the shoulders and also at the edges of the deep cuffs.

GIRL'S GUIMPE COSTUME 4971

Guimpe dresses are always attractive worn by young girls and are among the smartest of all the season's models. smartest of all the season's models. This one is made in an entirely novel manner with a dress that combines a plaited skirt with a waist that gives a chemisetic effect, and is held by the model the material is bright wool plait, with plain cales addeed awing trimmed with plain color edged with black and combined with a guimpe of Persian lawn, but possibly variations are almost without number. Plaids and

checks make a feature of the season but plain colors never were more attractive and the design is suited to wash-able fabrics as well as to those of wool. The costume consists of the dress and

The costume consists of the dress and the guinpe. The guinpe is tucked to form a yoke, the tucks supplying becom-ing fulness below the stirchings, and includes full sleeves gathered into straight cuffs. The dress consists of waist and skirt, the waist being fitted by means of shoulder and under arm



4371 Girl's Guimpe Dress, 2 to 8 yrs. Catume, 6 to 12 yrs.

seams, and held in place by the straps. The skirt is in one piece, laid in backward turning plaits.

CHILD'S PARTY DRESS 4886

Little girls are always charming wear-ing frocks that fall from the shoulders, giving unbroken lines. This one is especally attractive, and is adapted to dancing school or party wear, but can be ren-dered simple enough for everyday oc casions by choosing plainer material. As illustrated it is made of pale pink As illustrated it is made of pale pink chiffon veiling, and is trimmed with eern lace and bandings of velvet rib-bon. It can, however, be reproduced in musins as well as in simple wools and silks and the frills can be of the material in place of lace. To other this over the shoulders together wring in studien to making a decorative effect. The dress is made with a shallow yoke to which the full fronts and backs are attached. When made low this yoke

attached. When made low this solve solve is cut on indicated lines, when high is finished with a standing collar. The straps and frills are arranged over the shoulders and the closing is made at the back. The sleeves form puffs above the elbows, which are arranged over fitted foundations and can be finished with frills in elbow length or with the deep cuffs that extend to the wrists.

The price of each of the above patterns postpaid is only 10 cents. Send orders to The Farming World, Morang Building, Toronto, giving the size wanted.

#### Pointed Paragraphs

#### No. Cordelia, the railway tie is not a four-in-hand.

The woman who tries to marry for

money gets all she deserves. The harder a job the easier it is for a lazy man to dodge it.

Poets who write promissory notes are the ones who are long remembered. Some alleged self-made men are not finished; they are too small for the job

'A wise wife never reminds her hus-band of the fool things he said when courting her.





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231



#### Chronic Bronchitis

After repeated attacks of acute bronchitis, especially in those past the middle of life, there is a tendency for the disease to become established as a chronic affection. When this occurs a perfect cure is hardly to be expected, unless, perhaps, the patient is able to take up his residence permanently in a warm climate. Even when a cure appears to have been effected the mucous membrane of the bronchial tubes remains vulnerable, and very slight causes will then bring about a return of the trouble.

There is usually more or less cough accompanied by thick expectoration, especially in the morning. Sometimes the chest is sore, and coughing excites a rasping pain. The heavy cough, rea rasping pain. The heavy cough, re-turning in repeated attacks and finally becoming almost constant, at least from early summer well on into the autumn, at last causes dilatation of the air-cells in the lungs. This condition—pulmonary emphysema, as it is called-induces a sort of asthma in which expiration is

anical the panied by more or less wheezing. There is usually little to do for chronic bronchitis in the way of drugs. do for The so-called expectorants or cough mixtures are needed, as a rule, only when there is a fresh cold caught on top of the chronic condition. At such times the cough may become racking and inthe cough may become racking and in-cessant and call for quieting remedies. Cod-liver oil is almost always good for these patients, nucless it spoils the ap-petite. When it cannot be borne—and when it can also—the sufferer should eat plenty of butter and use cream treacher.

treely. When the patient is gouty, a not un-usual contingency, an antigout regimen should be adopted. If possible, the colder part of the year should be spent in a warm climate. The dry air of the interior is preferable to the damp east winds of the Atlantic coast; but as the heart may be affected secondarily to the ung trouble or to the kidney trouble which is frequently associated with it, the high altitudes, such as the Rocky Mountain region, are to be visited with

As will be seen from the general line As will be seen from the general file of treatment indicated, hope for suf-ferers from chronic bronchitis lies in doing all that is possible to keep the general condition built up by hygienic living and a generous diet.

#### .58 An Infant's Bath

An infant should be bathed once a day all over, and the groins and but-tocks should be sponged as often as is

necessary. The temperature of an infant's bath should invariably be tested with a bath thermometer. The hand is never a safe judge. One hundred degrees F, is the proper temperature for a tiny baby's bath. When three months old a temperature of 95 degrees is preferable. A bath should never be too hot. The temperature of the room in which baby temperature of the room in which baby is to be bathed should be about 70 de-grees P., and there should be mo drafts. The infant should be undressed quick-ly and laid on nurse's or mother's lap on a double bath blanket and soaped all over with a piece of flannel, special care being exercised to get between the folds of skin where secretions are

apt to accumulate. After soaping the infant is placed in the bath and the soap quickly washed off. This should not require more than one or two minutes, though the time may be lengthened utes, though the jime may be lengthened for the baby to remain in the water as it gets older. After bathing the baby should be dried with a soft towel and quickly and comfortably dressed. After this operation the baby is usually ready for breakfast and then a map. Infants should be kept out of doors as much as possible in the daytime, and if they are properly clothed there will be lass are properly clothed there will be less possibility of their taking cold than if they are kept indoors, coddled and raised as hothouse plants.

#### .18

#### Thought and Disease

Thousands of people actually think themselves to death every year by allow-ing their minds to dwell on morbid subjects

The idea that one has some incipient disease in one's system, the thought of financial ruin, that one is getting on in life without improving prospects-any of these or a thousand similar thoughts may carry a healthy man to a premature grave. A melancholy thought that fixes itself upon one's mind needs as much doctoring as physical disease. It needs be eradicated from the mind or it will have just the same result as a neglected disease would have. Every melancholy thought, every mor-

bid notion and every nagging worry should be resisted to the utmost, and the patient should be protected by cheerful thoughts, of which there is a bountiful store in every one's possession. Bright companions are cheaper than drugs and

The morbid condition of mind produces a morbid condition of body, and if the disease does happen to be in the system it receives every encouragement to develop. We need more mental develop. therapy. 38

#### Cold Feet and Indigestion Coldness of feet and limbs is almost

invariably an evidence of indigestion. The coldness is not due to the weakness of the heart or feebleness of culation, as is generally supposed, but to the contraction of small arteries, preventing blood from entering the parts. There is generally an irritation of the abdominal sympathetic nerve centres which control the circulation of the This difficulty is which control the circulation of the lower extremities. This difficulty is not to be removed by exercise or by any special application to the limbs, but by removal of the causes of the irritation. This may be a prolapsed stomach or chronic indigestion. Hot and cold foot baths are valuable. These act, not simply on the feet and limbs, but reflex action affect beneficially the aldonnial sympathetic sources which abdominal sympathetic

abdominal sympathetic centres, which are in a diseased condition. Rubbing of the feet and legs is also an excellent method of overcoming spasm of the blood vessels, thus prespasm of the blood vessels, thus pre-serving the normal circulation. The rub-bing should be from the feet towards the body. The surface should be well lubricated with vaseline. To avoid ir-ritation of the skin care should also be taken to clothe limbs very warmly. In many cases this is necessary, even in the summer season.



# Nine Nations

#### Now Use Liquozone.

Millions of people, of nine different nations, are constant users of Liquozone. Some are using it to get well: some to keep well. Some to cure germ disease; some as a tonic. No medicine was ever so widely employed. These users are verywhere; your neighbors and friends are among them. And half the people you meet-wherever you are-know some one whom Liquozone has cured. If you need help, nease ask some of If you need help, please ask some of these users what Liquozone does. Don't blindly take medicine for what

medicine cannot do. Drugs never kill germs. For your own sake, ask about Liquozone; then let us buy you a full-

## We Paid \$100,000

For the American rights to Liquo-one. We did this after testing the zone product for two years, through physi-cians and hospitals, after proving, in thousands of different cases, that Liquozone destroys the cause of any

germ disease. Liquozone has, for more than 20 years, been the constant subject of scientific and chemical research. It is scientific and chemical research. It is not made by compounding drugs, nor with alcohol. Its virtues are derived solely from gas—largely oxygen gas— by a process requiring immense apparatus and 14 days' time. The result is a liquid that does what oxygen does. It is a nerve food and blood food-the

#### The Farm Garden

One of the most important things, but one of the most neglected things, about

one of the most neglected things, about the farm is the garden. Physicians tell us that plenty of good vegetables is one of the gratest aids to health and a few cents in the gar-den may save dollars in doctor bills. The best soil for a garden is sandy loam, but any soil except heavy clay will answer; a southern slope will be a hear. the winter or early spring apply a good coat of well rotted manure; as early in the spring as the land is fit to work, In the spring as the land is in to work to plow the ground just deep enough to turn the manure under well, then in a few days harrow well two or three times, and if the soil is as mellow as it should be it will be ready to begin planting.

For the benefit of those who have no experience in the garden business, and do not know what kind of seed and do not know what kind of seed to plant of the different vegetables. I will give a condensed list of some of the best: Beans (pole), Lasy Wile, Wax, Saddle Back or Rust Proof, beets, Croby's Egyptian and Edmond's Tur-nip; cabbage, Early Jersey, Wakefield, Late Danish, Ballhead: acrotis, Ory, Giant Pascall sweet corn, Early Premo, Stowell's Evergreen: cucumber White fraint Pascal's sweet corrights, before the set of Giant Pascal's sweet corrights, Barly Premo, Stowell's Evergreen; cucumber, White Spine; lettuce, Nonpareli, medon, Musk, Strawberry, Water, Cole's Early Hun-garian, Honey; onions, Yellov Danvers; radishes, Rosy Gen, Early Scarlet, Tur-nip-rooted; tomatoes, Spot Cash and Livingstones; peas, First of all and Heroine; aquashes, for summer, Early Crookneck and Late Hubbard. I would avise the farmer to buy his early cabbage and tomato plants, as this will give him earlier vegetables than he can probably raise himself, and will be about as cheap. I would also advise laim to buy onion sets, as they are about

most helpful thing in the world to you. Its offects are exhibitrating, vitalining, uriffying: Yet it is accorded to be certain that we publish on every bot-ide an offer of \$1,000 for a disease gram that it cannot kill. The reason is that germs are vegetables; and Liquozone-like an excess of oxygen--is deadly to vegetal matter. There lies the great value of Liquo-zone. It is the only way known to kill germs in the body without killing the tissue, too. Any drug that kills germs is a poison, and it cannot be taken in-ternally. Every physician knows that medicine is almost helpless in any germ disease.

germ disease.

#### Germ Diseases.

These are the known germ diseases. All that medicine can do for these troubles is to help Nature overcome the germs, and such results are indi-rect and uncertain. Liquozone attacks the germs, wherever they are. And when the germs which cause a disease ard distoyed, the disease and and forever. That is inevitable.

Asthma Abuces-Anaemia Bronchitis Biond Poison Bright's Discuss Bowel Troubles Gougha-Colds Gonsmaption Goile-fronp Colle-fronp

Hay Fever-Influenza Kidney Diseases La Grippe Leucornaca Liver Troubles Liver Troubles Malaria-Neuralgia Many Heart Troubles Piles-Pneumopia as cheap for the busy farmer as seed

as cheap for the busy farmer as seed is, and you are surer of a crop. You had better send to some reliable seeds-man and get a catalogue and make out your order at once. Do not sow the seed in bels, but in drills about three feet apart, and as long as desired. This will give room for the horse cultivator ing the weeds down. It also will keep the land, mellower, help to, retain the and will greatly lessen the labor of keep-ing the weeds down. It also will keep the land mellower, help to retain the moisture and result in making the vege-tables grow better. Be sure and attend to the garden the first thing. Do not let the garden go till the rest of the crop is in, but put it in as carly as the ground is fit to work. You must use a little indmuset in muttion in the differlittle judgment in putting in the differ-ent seeds, as radishes will do to sow as soon as the frost is out of the ground and melons will not do to be planted till the ground is warm and dry. In the above I have not tried to give

any expert advice, but just my own practical experience and I hope it will be of help to some one.—Uncle Ebe, Prince Edward Co., Ont.

#### Growing Asparagus

Asparagus comes quite early if pro-perly taken care of, and is a very nutri-tious and palatable vegetable. For its best development it needs a rich sandy best development it needs a rich samp loam. Where it can be so done it is best to plant in rows about five feet apart and three feet in the row. However, it will do fairly well planted in a bed, the plants being set about a foot each way and letting them take the entire space.

One or two year old plants may be used, and the Palmetto variety is con-sidered best. The soil should be prepared quite deep, throughly mixing the vegetable matter with the soil, so as to cause it to hold much water, and to keep it loose. The plants should be set four to six

# Won't You Try It-Free?

tomach Troubles hroat Troubles ubercalosis umors-Ulcers aricocela ysentery-Diarrhea andruff-Dropsy tema-Erysipelas tema-Erysipelas ters-Gall Stones tra-Gout Ferera-Gail Stones Tamora-Ulere Goitre-Goil Varicocels Gonorhea-Gleet Women's Diseases All diseases that begin with forer-all inflams mation-all estarrh-all contagious diseases-all the results of impure or poisoned blood. In nervous debility Liquesone acts as a vitalizer accomplishing what no drage cas do.

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My d I h suppl	isease is ave never tried Liquozone, but if you will y me a 60c. bottle free I will take it.
and all all all all all all all all all al	Give full address-write plainly.

inches deep, spreading the roots out well. The soil should not all be filled in over the plant at once. If set in the spring the soil can gradually be worked in, but if set in the fall it should be in, but if set in the fall it should be filled in with manure, so as to keep the soil from getting so hard that the young shoots can not work their way to the surface. Thorough cultivation should be given and no shoots should be pulled till the third year. 38

#### Growing Onions for Pickling

I had a desire for some small onions for pickling. I had never raised any before. I obtained two packages of seeds and had them planted in a bed 3 feet wide by 12 feet long, in rows about 14 inches apart. The soil, a rich black loam, which had been heavily black loam, which had been heavily manured three years before, was deeply plowed in the spring and dragged up nice and fine. The bed slanted to the north a trifle, but I think it would have been better on top of the knoll, where it would have had the direct rays of the

it would have had the direct rays of the sam. It was raked very fine and the seeds planted in rows far enough apart to be cultivated easily with the hoe. The weeds were kept out of the rows by hand pulling. Besides this bed I had two rows about a rod long of set onions. Most of my bed onions grew much too large for pickling, though I got enough for this purpose. From the bed and set rows I sold many bunches, thinning them out of the rows as I needed them.—S. C. Millie.

#### Grow Pansies

The pansy is everywhere, and every-body has had a little practical experi-ence with this charming little flower. It is very popular, and is called the "per of the flower garden." Its innate beauty endears it to the hearts of all, young and old. It is perennial in its nature; is very hardy; endures cold,

The

hard winters with safety and greets us in the spring with a profusion of bright

Pansy seed may be sown in different ways-in a hot bed or in open ground. If sown in the spring get it in as soon

If sown in the spring get if in as soon as possible, so as to secure flowers dur-ing the early spring rains. Seeds sown in a cool place in May or June will produce fall flowering plants. To have good plants, rapid and vigor-ous and beautiful flowers, the soil must be taken into consideration. Good rich vellow loam well watered is adapted to plant of thower culture. Young plants produce the largest flowers and the most wholesome in appearance. The old, wholesome in appearance. The old, worn-out plants should be replaced. If the plants come into bloom at mid-summer, the flowers will be small at first, but will increase in size and beauty as the weather becomes cooler. To have flowering a pansy bed at mid-summer locate it some place in the shade on your lawn or flower garden, keep a good supply of water, with the chill taken off, to water it with. A bed located in any situation will give rich, beautiful flowers in spring or autumn.-P. E. Buchner, Norfolk Co., Ont.

#### An Ideal House Plant

In our part of the community at least, the Hibiscus is very rare, yet there are very few plants so generally satisfactory as it is. It is beautiful, even without as it is. It is beautiful, even without blossoms, for its leaves are a dark shinpiossons, for its leaves are a dark simi-ing green, and are not dropped off at the bottom as it grows at the top, as so many plants do. And the blossoms are gorgeous and very freely borne, beginning when but a little slip of a plant and growing more numerous as it in-

creases in size. It does not require a large dish in proportion to its size, but it will grow as tall as one's head, and mine have always full as one's head, and mine have always developed into shapely specimens with-out pruning, a fact which is decidedly in their favor, as many plants require more cutting back than they are apt to receive at the hands of an annateur. They form fine plants for the many people who only keep a few in num-ber, and want these to be extra great specimens, especially if they naturally it plenty of room horricultural fair, the elastics for dowering reliants not other.

Last year at our normanial fair, one first prize for flowering plants not other-wise classed, was awarded an Abutilon, well grown, and pretty of course, but not a good patch on my Hibiseus at home, but I had not thought of show-

home, but I had not thought of show-ing it, simply because it was not men-tioned in the list. They do not seem to care much for liquid fertilizer, though perhaps they grow a little more rampuntly if is used, but common, good gatar is and and ange will fill the bill of its re-quirements. It has, so far as I know, but one insect enemy, and that is the quirements. It has, so far as I know, but one insect enemy, and that is the ever present aphis, but I keep this in check by rubbing up fine some leaf tobacco and covering the top of the soil

The aphis show their sense by vacating the premises as soon as the water soaks the smell out. I have many plants in my collection, but none are more generally satisfactory with so little care

as it is. There is a kind with variegated leaves. This I have never tried, but mean to do so in the near future, for if the coldo so in the near future, for if the con-ored leaves have the same substance and gloss of the green ones, they must be beautiful indeed. I by no means adbe beautiful hurden, vocate the discarding of the old stand-byes like geraniums and begonias, but why not invest a few cents once a year at least in a plant of a new family-to us? The result is interesting at least, and often most satisfactory-Florence Holmes, Sutton, Que.



DR. JAS. W. ROBERTSON, late ommissioner of Agriculture, Ot-Comm tawa, savs :

tawa, says: I read."The Fat of the Land." with keen interest. It is a book which re-ords intervery piscant way many possible, if not actual, achievements by the ap-plication of intelligence and good busi-ness management to farming problems and affairs. I count it wholesome reading."

MR. F. W. Hopson, Dominion Live Stock Commissioner, Ottawa, says :

says: I received a copy of "The Fat of the Land," and have read it very carefully. It c-ntains a good deal of useful inform ation and should be read by every farmer in Canada.

The publishers of THE FARMING WORLD have arranged for a new edition of this book bound in paper, and in every respect as complete as the \$1.50 edition. This new edition is not for sale,

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new subscriptions for one year, or \$1.00 for one new subscription for two years, and who asks for "The

Fat of the Land " as a premium. The book will not be ready for some weeks, but send in the sub-scriptions now, and we will send it oon as it is ready

Fill up and cut off the coupon on page 247. Ask for "The Fat of the Land,"

as it will only be sent to those who read this special offer.

#### 15 March, 1905

Potato Yields in England

Correspondents announce some re-markable potato yields as the result of their fall digging, despite the rather unfavorable season. One farmer says he raised, without

One farmer says he raised, without One farmer says he raised, without the aid of a fertilizer, from one small Grange Definence points weighing a quar-ter of an ounce, 36 pounds. Another claims to have realized 301 pounds from a half-ounce Eldorado. In another case 7 pounds of Eldorados are alleged to have produced 3,019 pounds. According to still another farmer a ton to each pound of seed was the rate of yield of a crop of Eldorados. The same farmer says that 190 plants of Duchess of Cornwall potatose produced 840 pounds. From 2 pounds of Eldor-ados, in another instance, were realized

ados, in another instance, were realized ados, in another instance, were realized 2,491 pounds, after a struggle against caterpillars and aphids. The yield per root averaged about 8 pounds. The farms reporting these remarkable yields are in the adjoining county of Lincoln, and the name of the farmer is given in each case.—Frank W. Mahin, Nottingham, England. .18

#### Pruning Tomatoes

An experiment with a certain method of pruning tomatoes was tried last year with gratifying results. When the plants in the hot-beds had six strong the leaves developed, which was on May 23rd, the tops were nipped off and the plants given more room, being placed 5½ inches apart in the frame. The ob-ject of pinching off the top of the plant was to cause new shoots to develop at the axils of the leaxes in order to have six branches bearing early tomatoes in-stead of the one cluster usually found stead of the one cluster usuary on the top of the plant. These were planted out on June 8th, alongside other plants unprured. On June 22nd half of the pruned plants were again owned, all laterals being taken of the pruned plants were spann pruned, all laterals being taken out and the six main branches only being left, the other plants were left to grow at will, and it was found that they produced the most ripe fruit, though not the largest early crop. This sy of pruning is very promising. The ther advanced the axillary shoots This system g. The further advanced une axinary shools are when the plants are set out the larger the early crop is likely to be. In the experiment last year the plants were not started nearly early enough to get the best results. While the first fruit was rise on the unpruned, Sparks' was ripe on the unpruned, Sparks' Earliana, on July 29th, there was very

Earliana, on July sound mark little ripe on that date. Two varieties were under test, the Sparks' Earliana—one of the best, if not the best—an early variety, and the Matchless a main crop sort. We would advise all market gardeners to give this system a trial this year.—W. T. Macoun, Central Experimental Farm,

#### Crop Rotation

Mr. W. C. Shearer, addressing an In-stitute meeting in Eastern Ontario re-cently, spoke as follows, in reference to crop rotation: "I would recommend to crop rotation: "I would recommend. a four years' rotation as follows: First year, hay or clover; second year, a mixture of oats, barley and flax, for hog feed; third year, corn, roots or some other hoed crop; fourth year, barley or cats. Too many farmers make the mistake of taking off two or three crops of hay. This is not a good method, as the soil is robbed of too much fertility. The second year, when the mixed crop The second year, when the mixed crop is grown, the field should be given a shallow plowing with a gang plow, and harrowed in August. The object of this is to get all the weed seeds in the soil to germinate. About the end of Sep-tember, the field should be plowed down. Do not plow too deep, five or six inches is sufficient

# FINANCIAL NEWS AND NOTES

# Grand Trunk Pacific Bonds

The first issue of Grand Trunk Pacific bonds last month met with a magnificent reception in the financial markets of Great Britain and Canada, being subscribed for ten times over.

of Great Britain and Canada, being subscribed for ten times over. The Grand Trunk Pacific Railway was incorporated last year, and authorized to operate the National Transcontinential Railway from Moneton to the Pacific Ocean, and to construct the other Pacific Ocean, and to construct the of Winnipeg. The Dominion Government, by way of aid, to this western section, will guarantee the interest on a certain proportion of its bonds. The bonds now issued are those guar-

a certain proportion of its bounds. The bonds now issued are those guarmatted by the Grand Trunk Railway. The issue consists of \$13,500,000 four per cent, bonds, payable in 1955, and were offred at 99½. They are bonds soft the prairie section and the Lake Superior branch of the eastern section. These bonds should prove a satisfactory four per cent. investment, and the confidence in them by investors is shown by the subscription list of \$100,000,000 for the \$15,000,000 issued. When the Grand Trunk Pacific bonds guaranteed by the Dominion Government are issand they should sell at a still better price.

#### How the Money is Employed

An article which appeared in these columns last month showed that the total accumulations of the savings money of the people of Canada in the hands of the chartered banks, the Government Savings Banks, and the loan companies, aggregated \$444,863,046. It is interesting to follow this matter further, and, loaking on the other side of the question, see what disposition is made of these and the other moneys passing through the hands of these institutions.

The amounts deposited in the Post Office and Dominion Government Savings Banks, which on Slst January amounted to \$0,760,545, may be briefly dismissed, as it is easily seem hashess dramds, and takes the place of a Government [oan to that extent, the Dominion Government practically borrowing that amount from the small savings depositor, instead of on a debenture loan from the capitalist.

The available funds of the two chartered savings banks of Canada amount to \$25,814,821, which includes \$24,972, 388 of deposits and \$350,000 of paid-up capital. Among their investments are Dominion and Provincial securities and Canadian municipal and school bonds \$12,814,907, other bonds \$1,754,531, loans on stocks, praticially brokers' loans, \$0,154,318, and cash and bank balances \$23,947,86

"The total funds of the loan companies of Canada aggregate \$160,531,693 (1906, the latest figures available). This includes capital and reserve funds of \$450,154,656, deposits \$21,065,742, and debentures, payable in Canada, \$15,570,085, payable classwhere, \$54,277,8461; other sources contribute the balance, \$28,449, 557. Nearly all of these funds are secured or invested in real estate, the loans and mortgages secured in this way representing \$115,118,533 and property owned \$31,610,144, other loans amounting to \$12,802,996, and cash \$5,103,369. The thirty-four chartered banks show

The thirty-four chartered banks showed on 31st January the large sum of \$712,409,722 available for their various investments. This sum includes capital

### AND CANADIAN FARM AND HOME

\$80,378,420 and reserve funds \$34,194,-407, Notes in circulation \$35,021,075, savings deposits in Canada \$322,270,600, and other deposits \$179,473,306, The investment of these sums may be generalized as follows: Dominion, provincial and municipal securities \$85,458,913, other debentures and stocks \$39,389,312, brokers' loans \$84,399,191, current loans \$433,355,663, bank premises \$10,256,839, cash and cheques \$76,663,806, due from banks in Great Britain and foreign countries \$39,466,370.

These figures show that of these total funds aggregating \$960.3223.1, the various municipal, provincial and the Dominion Governments obtain the use of over \$100,000,000 through deposits, or bonds, or debentures purchased, about \$100,000,000 is loaned on real estate or invested in such property, \$93,000,000 is used in call dons in Ganada and elsewhere, secured by stocks and bonds \$448,000,000 loaned out for commercial purposes and \$41,000,000 invested in various bonds, and stocks. The large amount of \$94,000,000 goes out of the country in loans and bank balances, \$46, 000,000 of which is included in the above amount as loans on stocks. Cash and cheques held account for about \$33,000,-000.

#### New Banks

The crop of new banks in Canada of late is a prolific one. Following the Sovereign and Metropolitan which started business in 1908, and the Crown, which started in 1904, we have the Farmers' Bank of Canada, Cilizens' Bank of Canada, Northern Bank and Pacific porated at the 1904 session of the Dominion Pariment, now seeking an extension of one year in which to commence business. The Penny Bank of Toronto has obtained its charter and the Monarch Bank is seeking incorporation.

Moment bank is seeking incorporation. The past few years have been profitable ones for the banks, and this is making others of our enterprising people desirous of participating in these profits. The market quotations for many of our bank stocks now stand at from 150 to 200, and it can be readily seen that these stocks, purchased when the bank started business twenty, thirty of forty years ago at par, and which have paid dividends ranging from five to ten per cent almost from the beginning, have been very lucrative to the investors. It must be remembered, however, that every new bank does not succeed in obtaining a paying business.

#### Definitions

Draft—A financial document used in raising the wind. The proceeds when secured by breezy individuals are often blown in.

Cheque—An order for money depending for its value on the autograph in its southeast corner. Payment is sometimes stopped, when it is written "check."

#### 32

C. M. Hays, President of the Grand Trunk Pacific Railway, is credited with saying that the total cost of this great line would be \$148,000,000.

#### Correction

Correction We regret to note that in our article on note circulation, which appeared in the issue of 1st March, the amount of bank notes in circulation \$94,507,394 was inserted by our printers as \$945,507, 394. The correct amount averages about \$10 for each of us. We hope our readers have each their share in pocket.



#### Settlers Low Rates West

via the Chicago and North-Western Ry, every day from March 1st to May 1sth, Biochies etilers' one-way second class to be an ended of the second class to be an ended of the second class class of the second second second second also to Victoria, Vancouver, New Westminster, Rossland and other points in the Kootenay District. Correspondingly low rates from all points in Canada. Write for full particulars and folders to B. H. Bennett, General Agent, 3 East King Street, Toronto, Ont.

Sa Day Sure how the source of the source of

LEARN VETERINARY DENTISTEY and make \$2000 a year. We teach you at home in three months of your spare time by illustrated lectures, and grant diploma with degree. Particulars free. The betroit Veterinary Dental College, Detroit, Mich.

WOMENI I will send free information to any lady of a never-failing, harmless remedy – a simple home treatment. MRS. M. RAMEY, Dept. L1, 39 W. Ferry Street, Buffalo, N.Y.

#### Caustic Balsam Gives Wonderful Relief Berlin, Ont., March 22, 1904,

The Lawrence-Williams Co., Cleveland, Ohio:

I have been using several bottles of Gombault's Caustic Balsam, and found wonderful results. Kindly send me full information in regard to agency, as nearly all who once give it a trial want a bottle of it.

M. S. STROME.



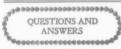
235



236

Any person having catarth always has a had breath. The sense of smell and taste are nearly always totally destroyed in time, so that the person who has catarth does not realize how loathsome their disease is. They continue their Khawking: Ad-splitting and splitting about promiscuously until they are shumed by everyone, and the sight of them is enough to make a well per-son sick. son sick

In order to prove to all who are sufin order to prove to an who are suf-fering from this dangerous and loath-some disease that Gauss' Catarrh Cure will actually cure any case of catarrh quickly, I will send a trial package by mail free of all cost. Send us your name mail free of all cost. Send us your name and address to-day and the treatment will be sent you by return mail. Try it. It will positively cure so that you will be welcomed instead of shunned by your friends. Write to-day. C. E. GAUSS, 2007 Main St., Marshall, Mich.



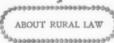
#### Growing Tobacco

Can you give me some information as to growing tobacco? If you cannot, can you tell me where I can get a circu-lar treating on tobacco culture.—W. E.

ar freating of loaded entities with a G. Lambton Co. Ont. Tobacco culture is a large topic and it would be impossible to do more than touch the fringe of the subject here. Tobacco requires a comparatively then ensure for its ensure is ensuring and the subject here.

short season for its growth; is sensitive to frost, but has been successfully cultito artost, but has been successfully cultu-vated in several parts of Canada, notably in Essex County, in Ontario, and in Quebec. Its quality is greatly modified by soil and climate, and in comparative-few sections is it of large commercial importance. The different kinds of toimportance. The different kinds of using from bacco are grown on soils varying from coarse, sandy, pine barrens, to heavy clay limestones. The heavy shipping tobaccos are grown on soils containing a large proportion of clay, or which for other reasons are very retentive of moisture. On lighter soils a thinner, more delicate leaf is produced, which cures to a light yellow color. The kind of tobacco grown should be adapted to the nitrogen, potash and lime. Tobacco is said to be no more exhaustive to the soil than corn or other grain. The ad-dition of fertilizers tends greatly to increase the yield. To grow tobacco suc-cessfully the first essential is to secure a soil well supplied with organic matter, either by applications of barnyard man-ure or by turning under green maure crops. Tobacco is grown from sec. crops. Tobacco is grown from seed. Plants for the field are raised by sowing the seed in a hotbed, cold frame or open air beds, depending on the climate of the locality. The field for tobacco should be cultivated as for a garden. Rows are usually marked 3<sup>1</sup>/<sub>2</sub> to 4 feet apart, the fertilizers used are applied in the row and beds thrown up over them. row and beds thrown up over them. Hills are made on heavy clay lands about 3 feet in the row; on lighter lands the elevated beds are sufficient. Water seed bed thoroughly before the plants are removed. When the largest leaves are about 2½ inches wide the plants are large seconds to set out in the field. are about 2½ inches wide the plants are large enough to set out in the field. Crop requires hoeing as soon as plants become well rooted, followed by shallow cultivation. When the bud or button is well out at the top of the stalk it is broken off. By this means the leaves grow larger, ripen more evenly, and their quality and appearance are much im-proved. Tobacco is harvested by cutting down the whole plant or gathering the leaves separately. The crop is considleaves separately. ered ripe for harvesting when most of the leaves have turned a greenish yellow color and become thick and yellow color and become thick and brittle, so that they crack when folded together. This takes place within 80 to 120 days after transplanting. We have not space to deal with the curring here. A few years ago Dr. Saunders, Cer-tral Experimental Farm, Ottawa, issued a pamphlet on tobacco growing in Can-ada. A copy might be had on ap-plication if it is not out of print.

38



In this column will be answered for any paid-up subscriber, free of charge, questions of law. Make your questions brief and to the point. This column is in charge of a compoint. This column is in charge of a com-petent lawyer, who will, from time to time, publish herein notes on current legal matters Address your comof interest to farmers. Address your com-munications to "Legal Column," The munications to "Legal Farming World, Toronto

#### Payment for Son's Work

A worked at home on his father's he was twenty-five years of age. Nothing was said between him and his father about the latter paying him wages for his work. A is now leaving the home. Can he recover wages 

No. A son working at home upon his father's place would not be entitled to recover for work and labor in the ab-sence of an agreement to that effect. There was no agreement in this case. .12

#### To Quit Lease

I have a rented place under a straight lease for five years. The lease has two more years to run, but I wish to two more years to run, but I wish to remain on the place for one more year only. The rent is payable hall-yearly in advance, on first of April and Octo-ber. How can I get out of the last year?-J. R. Islington. A.-Unless you can obtain your land-lord's consent to you surrendering your

lease and quitting possession of the place at the end of the fourth year, or unless there is some provision in the lease (which we presume is a written one) permitting you to determine or end the term by some fixed notice or otherwise at the date you desire, you cannot es-cape liability for the rent for the fifth year of the term.





TORONTO and ORILLIA, Ont.

YOUR FUTURE TOLD FREE This is a trial feasibility of the second second to the second second clair voyant clair voyant second second second second second this time, pertaining to husiness, love, courtely, marriage and divore : oil estates, mortganese ing marriage and divore is only and the second second second second second second second ing marriage and divore is only and the second second





# AND CANADIAN FARM AND HOME

# Farm Implements and Conveniences

#### A "Dump" for a Sled

Dump cars for hauling manure and other articles are usually associated with wheels, but for hauling out manure in winter the wheel cart is not practicable. Here is a dumping arrangement applied to a sled-an idea borrowed from the dump is from those used for grading



railroads. Any one can see from the cut how the principle is applied. The "dump" must be pivoted hich enough so that when the pin is pulled the "dump" will be sufficiently include to empty all the contents at the side of the side. Such an arrangement will be found most convenient for stable work in win-ter. ter 38

#### Portable Grain Holder

More than once have we caught a little villain shivering and holding the bags in an icy granary while the lusty men sweated over turning the faming mill and scooping up the grain. And we have seen men holding sacks in the busy threshing season when the simple contrivance illustrated in the accompany-



ing cut could do the work better. ing cut could do the work better. The upright plank is an inch thick, three and a half feet long and fifteen inches wide. The bottom plank is of the same dimensions except that it is a foot and a half shorter. The hopper is easily constructed, and the hooks secured at any hardware store, or possibly impro-vised at home from bent mails. The base of the honers is wered from the base of the hopper is wedged from the perpendicular plank so that the bag may wrap all the way around.

## 38

#### Self-Feeder for Poultry

A perfection feed hopper is shown in the cut. It is 8 inches wide, 2½ feet high and 3 feet long. The roof pro-jects over the perch on which the fowls stand while feeding. The method of



constructing the perches and the weight and attachment to the lid over the grain is clearly shown in the picture. The weight on the arm should be adjusted to the size of the fowl. This box may be made of any length desired, but the beight and width are about right—B. T. Wagner, Lewis County, Mo.

#### Build an Implement Shed

Build an Implement Shed Many farmers do not place much dependence upon shelter for prolonging the "life" of farm implements. At least, it seems so to me. In riding through the country we see at almost every farm one or more (generally more) costly implements that are be-ing allowed to "weather it." This is by no means the proper way to do, avan people against it. my purpose to Let us juwure a little A cood imple-

and in this letter is my purpose to warn people against it. Let us figure a little dealy for not more than say \$25.00, with facilities for all implements and a buggy beides. Say a farmer huys a binder, which, of course, would cost at least \$100.00. If this binder were allowed to set out, in three or four years it would not be worth anything at all, except for "old junk." With proper care and shedding it will last at least twice as long, possibly longer, and so with other im-plements. Plows, if allowed to rst, are hard to make smooth, but if axle grease is applied when they are put away the whole trouble will be avoided and the plow will last much longer. Thus, the cost of the shed is nothing compared with the serious damage and

Thus, the cost of the shed is nothing compared with the serious damage and cost of the implements. By all means have a good implement hede and use it, and also apply plenty of paint to all farm implements as well as vehicles. Hoping this may be of some benefit to my Canadian brethren. U.S.A. B. P. WAGNER.

.58

To Trap Rodents The late Captain Kidd, our piratical countryman, had a habit of sending his captives to a watery grave by making them walk a plank bindfolded, the vic-tims stepping from the end of the baard into the sca. After much the same idea a resident of Elkins, W. Va., plans to rid us of our rats and muie. The ad-vantage over Captain's Kidd's plan, how-



ever, is that the rodents will not have to be captured and blindfolded in ad-

to be captured and blindfolded in ad-vance. A little tank of water is provided, with an incline board leading to a landing above the water level. The landing is blinged at its centre, so that when weight is applied to the rear is a small hook or shelf, on which is placed a tempting morsel. When Mr. Rat ascends the incline and tips merrily toward the bait his weight tilts the landing, and down his weight tilts the landing, and down

he goes into the water. The landing quickly rights itself, ready for its next visitor who will soon join his unfortun-ate companion in the watery depths beneath. 38

#### Shell and Grit Box

A very necessary article for keeping fowls in health where they are confined within a yard or have a very small space



is a shell and grit box. The one shown in our sketch meets all requirements, is easily made, and can be readily **removed** if deemed advisable.

# .58

A Scrape for a Poultry House A handy scraper for use about the poultry house or the nest boxes where pigeons are kept for squab raising, or for scraping orchard trees is shown in the cut. It is made from a worn out section



of a mowing machine. A hole is in the centre and a rod with lead on one end and nut on the other passes through the knife section and through the handle, the nut drawing the whole tightly to-

# Strength of Steel Wire

The question is often asked: What is the real difference in steel wire that makes one kind so much stronger than another, though both look alike? The difference is generally owing to the chemical quality of ore from which the pig iron was made, and also to the difference in treatment of the metal through its various stages of manufac-

Carbon is the element more directly responsible than anything else for the strength of steel. Carbon hardens and strengthens the metal, and when properly

assimilated, adds greatly to its toughness. It should be borne in mind, however, that hardness can be obtained in low carbon steel by working it under cer-tain conditions, but hardness thus ob-tained is at the expense of toughness and adds scarcely anything to the

According to tests made by the Page Wire Fence Co., wire containing 3 per cent. carbon has 90 per cent. more Cent. carbon has 90 per cent, more strength than common steel wire. A high carbon wire No. 5 gauge has an average strength of 2.400 lbs, as com-pared with 3.000 lbs, for common wire of the strength of 2.400 lbs, as com-pared with 3.000 lbs, for common wire readers and a strength of the strength readers and the strength of the strength readers it is evidently poor economy to use low grades under any ricromstances. use low grades under any circumstances. 32

Miss Mayfair—Miss Furby certainly carries her age well. Miss Maryland—Yes, she started out with her twenty-fifth year three years ago, and she hasn't dropped it yet.

# In the Poultry Yard

#### The Chicken Crop

The Unicken Crop As soon as you find that Biddy re-mains on her nest all night, you may depend on it that she means business. If her nest is in a quiet, suitable place remove the egg, or eggs, she is suitable on, and scatter some flower of sulphur in it, and also rub some under the busits with the set of t wings, as a precaution against Now select eleven or twelve medhen's lice. ium sized, strictly fresh eggs, and care-fully place them under the would-be mother. If the other hens have access to the nest the eggs should be all marked as some of them will probably lay there. Now, after Biddy is set simply leave her alone, for she understands her business perfectly. Don't be afraid she will starve perfectly. Don't be afraid she will starve to death if she remains on the nest for to death if she remains on the nest for a couple of days at a time. You need not carry food and water to her when she is on the nest. Just wait; when she is real hungry she will fly to look for food. When you see her off, give her a good dinner, and then quietly go and look to see if her eggs are all right. If you find one broken, take it out and if the other sees are acid off or way wash if the other eggs are solled or wet wash them with warm water. When the time has arrived for the chicks to be hatched will probably cause her to tramp on the little, tender chicks and kill them. Curb your curiosity to see how many chicks are hatched and just wait. No, chicks are hatched and just wait. No, they are not hungry. Don't give them a particle of food for at least 24 hours. Their first meal should consist of a hard boiled egg. Afterwards oatmeal, moistened with milk or water and bread crumbs should be given. Keep them in a warm place, and give them plenty of pure water. They will thrive well if recomplex attended pure water. They will thrive well if properly attended. Now, farmers' wives, if you want to

raise a good crop of chicks, don't procrastinate. One year we set 10 hens quite early, and had about 75 chicks. There is money in early chicks. A. R.

# Market only Clean Eggs

No matter how fresh an egg may be if it is not clean it will not attract customers. It pays to go to considerable trouble to have eggs bright and clean before sending them to market. To before sending them to market. To clean eggs it is not necessary to use much water. Do not put the eggs in much water, where it is necessary. If much water. Do not put the eggs in water to clean unless it is necessary. If it is necessary then rub dry afterwards. For most stains on eggs a damp cloth will clean them. In any case always rub dry. If this is not done the eggs will have an appearance that is not natural. There is on freshly laid eggs a mucilaginous covering which gives it a values a nonerance necessary of the second velvety appearance peculiar to new gs. Water removes this, making the eggs. egg have an older appearance and destroying its keeping qualities, as this covering makes the shell impervious to

overing makes the site indervious and the cleaned in order to get the highest market price. The story is told of two girls in New York State who were on the lookout for some way to make a living. They had seen that most of the eggs marketed were dirty and had also observed that the good customers at the grocery always ed them, packed them in clean, new cases and shipped them to a popular and fashionable market in New York city, setting a price five cents above the market price for eggs. The eggs were strictly fresh, as they had not only cleaned them, but had tested every one

of them. They sold at the price asked at once, and the commission merchant wrote to them to send more of the same kind and he would give them seven They were soon buying all the eggs, not only in that town, but in all adjoining towns; secured larger rooms, and be-came wealthy by cleaning eggs that other people sent to town dirty. This shows that it pays to have the nests so that the eggs will be kept clean and carefully cleanse and test all eggs before sending them to market. .58

#### Good Egg Record

At the Central Experimental Farm a pen of 12 White Leghorn pullets, hatched between May 25th and June 15th, 1904, layed an average of fifteen eggs each during January last. Some of them produced as many as 17 eggs each dur-ing the month. These pullets were fed ing the month. These pullets were fed a ration composed of a mixture of grain made up of one part wheat and one part oats; mash, made up of two parts shorts, one quart ground oats and one part ground barley; cut bone, beets, and oyster shells. .12

#### Producing Eggs in Winter

Desiring to obtain information that would be helpful in enabling farmers to produce more winter eggs, we submitted the following questions to a num-

ber of prominent poultrymen: (1) Is a modern, up-to-date poultry house necessary for the successful production of winter eggs?

(2) At what age do hens give the best return in winter eggs?

(3) What ration have you found to be most profitable for winter egg pro-

(4) What have you found to be the greatest hindrance to successful winter egg production? (5) What is

What is the difference in cost between producing eggs in winter and in summer?

Provided he has the proper (6) equipment, is there anything to prevent a farmer producing winter eggs?

a latimer producing winter eggs: John O. Allan, Scotch Line. (1) No and yes. No, if that means one built to an architect's plan with swinging feed trays, etc., etc. Yes, though as far as the necessity of a dry and comfortable place is con-cerned a leanting to the eather byce cerned a lean-to, to the cattle byre is good, as the heat may be allowed to go from one to the other by hav-(2) Pullets that are mature before (2) Pullets that are mature of a by by

December 1st.

(3) Breakfast and supper of any good sound grain in litter. Dinner of cut bone or meat scraps. This every farmer can handily obtain. When butchering save the blood, mix with hash and give a little (a very little at first) at noon. Save livers, lights, beef heads, etc., and freeze them. Cut up and feed raw. A small bone cutter will cut them when frozen very easily and rapidly. On no account cook the meat, as that makes it more of a fattening food than a laying ration. Clear water, gravel and lime before them at all gravel and lime before them at all times is necessary, and if this feed-ing, with comfortable quarters, does not make good winter layers it would be better to have a few pot pies, and get something else. Clover is a very good food and one that farmers can have the concern on the rate of the have. Just scrape up the seeds and clovertops from the bottom of the horses' mangers twice a week and throw them to the hens.



(4) Uncomfortable buildings, overcrowding and too heavy a grain ra-tion. Also immature pullets and late

tion. Also immature pullets and late moulting hens.
(5) I would not like to estimate, but it is certainly not so great as the difference in the selling value of the eggs.

(6) Certainly not. The average farmer carries enough stock to keep him at home the greater part of the day in winter, and he has every chance to give the poultry care also. It is not hard work, but it takes con-stant attention. stant attention.

W. M. Lockwood, Melbourne, Ont. (I) The main object is to construct a house that will exclude all moisture and wind, and yet give the poultry plenty of good fresh air. If the house is too closely built the moisture will condense on the walls and ceilings on condense on the walls and ceilings on frosty mornings. This will be of greater damage to fowl than cold, clear frost. I have seen birds have their combs frosted in buildings that gathered moisture, as I have stated, while in open sheds or rudely con-structed out-buildings they would not show the least sign of freat. show the least sign of frost.

(2) Hens give the best returns at from six to eighteen months old. (3) I usually feed in the morning

(3) I usually feed in the morring a mixture of chopped oats, barley and wheat dampened a little, a handful of beef meal to twenty hens added, will have good results. At noon some rough grain, a little meat (for this I use beef heads cut up and boiled until the meat can be removed ed until the meat can be removed from the bone, slice up and feed to the hens. A little clover chaff scattered on the floor or in the scratching pen is excellent for green food. At night I feed corn or wheat. It is necessary to keep plenty of grit and free them all the time.

(4) Improper feeding, poor and

filthy houseing, and extreme cold. (5) I believe from experience that the cost of producing eggs in winter is about 25 per cent greater than in

(6) There is nothing to prevent a farmer from producing eggs in winter if he has proper equipment, with good judgment and experience; the two latter are the most essential.

#### AND CANADIAN FARM AND HOME

# PURE-BRED STOCK

#### NOTES AND NEWS FROM THE BREEDERS

These columns are set apart exclusively for the use of breeders of pure-bred stock and positry. Any information as to importations made, the sale and purchase of stock and the solution of hereds and flocks that is not its the nature of an advertisement will be welcomed. Our desire is to make this the medium for convexing information as to the transfer of pure-dimension of the condition of live stock throughout the country. The co-operation of add breadens in a discussion of the stock department as useful and as interesting as penalize. The editor reserves the right to eliminate any matter that he may consider before that do now advertising advertion. anited to our advertising colomns,

# The Farming World Man on the Wing

# Attention is called to the auction sale Attention is called to the auction sale of pure-bred Shorthorns to be held on March 23rd by Mr. Geo. H. Johnson, of Balsam, Ont. Like his brother, Mr. Arthur Johnson, of Greenwood, he has long been a breeder of the reds, white and roaus, and his herd partakes of the excellence that has checeterized the excellence that has characterized the stock of this redoubtable breeder. Splendid individuals, and bred in the purple, will be offered at this sale, and the cata-logue shows a list of them that will take some beating. Write for one.

#### .14 Gossip

Alex. Galbraith & Son, Janesville, Wis., and Brandon, Man., write: "We have 56 stallions on hand to-day, nearly all from three to five years old every one of them a good one." and

Wr. G. A. Brodie, Bethesda, Ont., writes: "I have a very useful lot of Shorthorns z years old with calves at foot or bred to imp. "Director," which I offer very cheaply; also five choicely bred bulls, from to to zo months old, from good sires and re-markably good aumais, for sale at reduced rates. reduced rates.

In Clydes, I am offering my "Bar-on's Pride" (imp.) mare "Gipsy Maid" in foal to "Fullerton," also two choicely bred colts (imp.) rising one and two years.

In Shrops. I offer a few imp. Man-sell ewes and a number of ewe lambs from imp. stock." . 12

#### Wants Remounts

Mr. W. Staley Spark, of England, who spent some time in Canada last winter as a special officer of the De-partment of Agriculture at Ottawa, to give instruction in horse breeding, has been in Toronto recently and had a conference with the Hon. Mr. Monteith, at which the question of the supply of at which the question of the suppy of remounts in its relation to Ontario was discussed. Mr. Spark is represent-ing the remount department of the British War Office. If the Dominion Government does not take any action in regard to a remount station, Mr. Monteith stated that probably his de-partment would take up the matter, so far at least as to act as intermediary in some plan to bring together those who have horses for sale and the War Office representative.

#### 32. Judges for Horse Show

The Canadian Horse Show committee met last week. While the judges for all the classes were not appointed, several were arranged for, as follows: Thoroughbreak, Dr. Rutherford and Wm. Hendrie, Sr.; Hackneys, R. P. Sterricker: drivers and roadsters, Dr. Sinclair; heavy draught, Robert Gra-ham; hunters and saddle horses, Messrs. W. S. Snark and Colin Campbell. Price lists and autor force and the and lists and entry forms are now ready and can be had on application to Henry Wade, Parliament Buildings, Toronto.

#### Clydesdales for Canada

A good few Clydesdales continue to Ind their way to Canada. Last week Mr. David Cargill, Assiniboia, shipped three very good animals—a two-year-old filly and a couple of three-year-old stal-lions. The filly was purchased from Mr. Wm. Dunlop, and was got by the filly and a couple of three-year-oid stal-lions. The filly was purchased from Mr. Wm Dunloy, and was got by the Barro's Price horse Dunure Castle out of a dam by Mains of Airies. The horses were both purchased from Mr. Peter Dewar, one of them being Pavor-ite Blend by Royal Favorite, which he showed recently at Glasgow, and the other, Maple Leaf, a handsome big horse wood. The animals, as will be seen, word all of excellent breeding, and like-ly to sustain the reputation of the breed in the Dominion. Mr. Jas. Kilpatrick has also recently sold two very good apecimens of the breed to Messrs. Baw-don & McDonnell, Excert, Ontario. den & McDonnell, Exeter, Ontario. These were Knockinlaw, a three-year-old bred by Mr. Robert Forrest, Knockinlaw; bred by Mr. Robert Forrest, Knockinlaw; and Soarnelbank, a four-year-old, bred by Mr. Maxwell, Sparnelbank, Galston. The former is by the famous Lord Dun-donald out of a mare by Height of Splendor, while the latter is by Prince Shapely out of a St. Blaise mare. Both are nice quality young horses.—North British Agriculturist.

#### 25

#### Provincial Auction Sales

The provincial auction sales being held In all 104 bulls and 57 females are to be successful. In all 104 bulls and 57 females are to be offered. With the exception of one Here-ford bull and two Hereford females to be offered at Guelph they are all Shorthorns. At the Ottawa sale held on March 10th 20 bulls and 13 females were offered, and at the Port Perry sale were offered, and at the Fort Perry sale on March 14th 18 bulls and 10 females were offered. Sales will also take place at Campbellcroft on March 16th and at Guelph on March 23rd. At the former 15 bulls and 10 females will be offered, and at the latter 51 bulls and 24 females

And at the latter of ours and 24 temates. A special feature of the sales this year will be the offering of handsome ribbons. Prize-winning animals will be sold first and the ribbons will go to the purchasers. Following the prize-winners, the animals will be sold accordwinners, the animals will be sold accord-ing to age. Certificates and transfers and breeding lists will be supplied at the time of the sale. Every conveni-ence is provided for purchasers who may desire to obtain stabling for ani-mals for a short time for any animals membraned 34

#### Canadian Pony Society

The Canadian Pony Society held a very successful meeting on March 3rd. The President, Mr. G. V. Foster, was in the chair, and H. M. Robinson, Hon. President, and Mr. E. T. Campbell, Vice-President, were also present.

President, were also present. Secretary Gerald Wade reported on behalf of the delegates to the Can-dian Horse Breeders' Association and stated that the Canadian Horse Show Committee had given thirteen classes with prize money amounting to nearly \$500 to none class1. \$500 to pony class; ).





239

It was decided to give a silver chal-lenge cup at the National Exhibition. The society are also donating a hand-some cup, valued at \$75, at the coming Ganadian Horse Show. The treasurer, A. Taylor, announced that since the annual meeting a number of new members had joined the society,

of new members had joined the society, and that the society now is one of the largest in the point of membership in Granda. A resolution was passed in-dorsing the third amual Open Air Horse Parade, to be held in Toronto on July 1st, and it was decided that the mem-bers should do all they could to make the entries in the pony classes at the coming Canadian Horse Show as large as possible. It was amounced by the chairman that in addition to the pony classes at the Canadian Horse Show, the Horse Show Committee have added the following class at the request of the society.

Class 78, pony brood mare, 14 hands and under, in foal, or foal at foot, 1st prize, \$15: 2nd prize, \$10; 3rd prize,

#### Aberdeen-Angus Sales

The average price at some of the an-nual Scottish sales of Aberdeen-Angus cattle held last month show an appreci-able increase as compared with the aver-age a year ago. The highest average apic increase as compared with the Aver-age a year ago. The highest average at the Perth sale was made by the Barronet of Ballindallock, who secured an average of £164 17s. for his lot. The highest price paid was 300 gs., paid for a Pride bull of the Ballindalloch herd. The other averages were far below this. Few American buyers were present.

#### London Fair Dates Fixed

The Western Fair, London, will be held this year from September 8th to the 16th inclusive. The directors have decided that no member of the associa-tion shall act as judge.

#### The Port Perry Sale

The Port Perry Sale The Port Perry auction sale, which took place on March 14th, glforded a splendid opportunity to scients some good breeding strongly reasonable prices. Shorthorn bulls up to two years old; thick, fleshy and well grown. The fe-males offered were from one to four years old, those of breeding age being in calf or had calf at foot. Among heifers that should make grand foun-dation stock for any one desiring to start a herd of Shorthorns. Prices and fuller particulars will appear next issue. Among those who contributed to the sale were:

were: John Davidson, Ashburri: Colwill Bros, Newcastle; Wm. Ormision, Colum-bus: W. E. Dyier, Columbus; J. W. Disney, Greenwood: T. C. McAvoy, Balsam; Sam Johnson, Ashburri: John Duff, Myrtle; James Jackson, Scuugor; Thomas Redman, Port Perry: James Leask, Greenbank; Thomas Graham, Port Perry; Wm. Polock, Seagrave; J. McRoberts, Shirley; Jekz, Jeffery, Whitby, and John McKintyre, Columbus. .58

#### Shorthorn Breeders to Meet

Shortnorn isreeers to Meet A special general meeting of the Do-minion Shorthorn Breeders' Association has been called for 1.30 µm. on Friday, March 24th next, to consider proposals submitted by the Department of Agri-culture, Ottawa, for nationalizing the Shorthorn records and for establishing the record office at Ottawa. The meet-ing will be held in St. George's Hall, Toronto, and a full attendance is re-quested. quested.

# CHAMPION CLYDESDALES CLYDESDALE CHAMPIONS



# For Three Successive Years GRAHAM BROS.

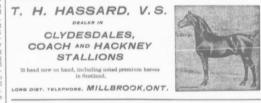
Have won the Clydesdale Stallion Championship at the International, Chicago, and similar honors at Toronto.

1902 Young McOueen 1903 Cairnhill 1904 Baron Sterling Sire Me Sire Ethiopia Sire Baron's Pride

Also a multitude of other important prizes.

We have select stallions and mares to sell, winners here and in Scotland among them. We can offer MORE SONS AND DAUGHTERS OF BARON'S PRIDE than any other American firm. Stallions to get pure-breds. Stallions to get grades. Mares for all. Prices are low-any single breeder can afford them. Correspondence solicited. Catalogue on request.

## GRAHAM BROS., CLAREMONT, ONT., CANADA



# Smith & Richardson's LYDESDALE



Our Clydesdale Stallions and Mares have wintered nicely, and we now have a number for sale at reasonable prices, amongst them the Toronto Show winner, BARON GARTLEY, 1st and sweepstakes.

Address : Columbus, Ontario.

STATIONS-Oshawa and Brooklin, G.T.R.; Myrtle, C.P.R.

Please Mention The Farming World when writing Advertisers

#### Canadian National Exhibition

The annual meeting of the Canadian National Exhibition was held in To-ronto on Feb. 28th. There was a large attendance of representatives present. President McNaught in his annual ad-President McNaught in his annual ad-dress refered to the successful fair of 1904, the best in the history of the Asso-ciation. The second week of the fair always looked after itself. If improve-ment was to be made on previous un-dertakings the receipts of the first week would have to be increased. The passwould have to be increased. The pass-ing of the city by-lay to expend \$300,-000 upon improvement of the fair was referred to with satisfaction. The finan-ces of the Association are in splendid shape. \$30,000 had been handed over

ces of the Association are in splendid shape. \$30,000 had been handed over to the city, as the profits of the past year, and in addition over \$7,000 had been added to the reserve fund. The President having infimated his desire to resign, Lieut.-Col. McGillivray moved a resolution expressing the wish of the meeting that Mr. McNaught again allow his name to go up for election to the board with a view to his retaining the presidency another year. A resolu-tion was also passed asking for the amendment of the constitution to can-cel the membership of representatives of organizations no longer in existence, or which have no material interest in the exhibition, and adding such socie-ties as were actively engaged in the en-couragement of maunfacturing, agricul-tural or horticultural industries. Over thirty candidates offered for elec-

With the second seco Fleming.

The following old directors did not offer for reelection : Hon. John Dryden, A. F. McLaren, M.P., and W. E. Wel-lington.

#### A Record Breaking Cow

Since the new year ten Holstein cows and heifers have been admitted to the Record of Merit on account of their high official tests for butter fat. Each high official tests for butter fat. Each test covered a period of seven days and was under the supervision of the Dairy Department of the Ontario Agricultural College. The record of lanthe Jewei Mechthilde is the largest official test yet made in Canada by a mature cow of any breed.

1. Ianthe Jewel Mechthilde (2708), at 6 y. 28 d. of age; milk, 503 lbs.; fat, 22.11 lbs.; butter, 25.8 lbs.; owner, Jas. Rettie

Maud of Kent 2nd (2808), at 12 y.
 7 m. 25 d. of age; milk 478.2 lbs.; fat, 18.20 lbs.; butter, 21.2 lbs.; owner, P.

D. Ede.
3. Queen De Kol 3rd (1823), at 7 y.
6m. 17 d. of age; milk, 435.2 lbs.; fat, 16.93 lbs.; butter, 19.7 lbs.; owner, Jas.

 Annie Schuiling (2715), at 4 y.
 m. 21 d. of age; milk, 409.9 lbs.; fat, 15.59 lbs.; butter, 18.1 lbs.; owner, Jas. Rettie

 Rettic
 5.
 Clarice (3823), at 6 y. 6 d. of age;

 milk, 421.4 lbs.; fat 14.50 lbs.; butter,
 16.9 lbs.; owner, W. S. Schell,

 6.
 Jewel Sylvia (2186), at 7 y. 3 m.

 26.
 of age; milk, 307.8 lbs.; fat 13.71

 Dis, butter, 16 bs.; owner, Jas. Rettic.
 7.

 Winnie R's Germ (4748), at 7 y.
 2 m. 8 d. of age; milk, 400.8 lbs.; fat, 13.04

 Dis, butter, 15.2 lbs.; owner, P. D. Ede.
 0.

13.04 105.; butter, 155. 105. (3098), at D. Ede. 8. Daisy Albino De Kol (3098), at 4 y. 9 m. 1 d. of age; milk 333.4 lbs.;

#### AND CANADIAN FARM AND HOME

# International Importing Barn

# Sarnia, Ont., J. B. HOGATE, Prop.

#### Branch Barn, Lennoxville, P.O.



A 'few first-class Stallions yet left for sale. Clyde, Shire and Hackney. Write and flaewin what I are do for you before you huy when you. Way yes jis, you for stall the when you. Way yes jis, you for a stall or ways better, for \$1, 500 or \$1, 500 when you can get as good for \$1, 000 or \$1, 000 when you can get as good for \$1, 000 when you can get as good for \$1, 000 when you can get as good for \$1, 000 when you can get as good for \$1, 000 when you can get as good for \$1, 000 when you can get as good for \$1, 000 when you can get as good for \$1, 000 when you can get as good for \$1, 000 when you can get as good for \$1, 000 when you can get as good for \$1, 000 when you can get as good for \$1, 000 when you can get as good for \$1, 000 when you can get as good for \$1, 000 when you can get as g

### B. HOGATE - or Lennoxville, Que. Sarnia, Ont.

Alex. Galbraith & Son JANESVILLE, WISCONSIN

Offer for sale a magnificent collection of

# CLYDESDALES

also a few choice SUFFOLKS, PERCHERONS, BELGIANS and HACKNEYS. Prices, terms and guarantee to suit the buyers.

#### **25 YEARS AT THE FRONT** Address as above

New Catalogue ready

#### CLYDESDALES AND HACKNEYS.

My new importation of **Glygemediate Biathors** an arrived here, and is of the same high class quality as much, carried by selected from moment protect back in Scolland. My old customers and all lovers of a good **Glyde** are invited to see them. I have **Two First-Class Hacktrongy** per for sale, well worth the price put on them. Phone to residence.

WM. COLOUHOUN.

MITCHELL, ONT.



#### Please Mention The Farming World when writing Advertisers

241

fat, 12.32 lbs.; butter, 14.3 lbs.; owner, W. Rivers.

 W. Rivers.
 9. Mercena Schuiling (3947), at 3 y.
 a d. of age; milk, 336.4 lbs; fat, 11 lbs; butter, 12.8 lbs; owner, Jas. Rettie.
 10. Buffalo Girl's Posch (4980), at 2 y.5 m. 11 d. of age; milk 3477 lbs;
 fat, 10.87 lbs; butter, 12.3 lbs; owner, P. D. Ede g fat, 1 D.

fai, 1037 lbs.; butter, 123 lbs.; owner, P. D. Ede. In all cases the amounts of milk and butter is at are actual; the butter is set-mated on the basis of 88.7 per cent, fat, according to the rule of the Association of Agricultural Colleges. Yours truly, See'y Holstein-Priesan Associations K. Genyre, Other-Priesan Association.

St. George, Ont.

#### Some Dairy Cow Records

From Sept. 1 to Oct. 27 records of forty-seven caves were approved by the American Holstein-Friesian Association. Only one of this number commenced eight months after freshening. It was made by a five-ycar-old cow that drop-ped her calf Oct. 30, 1903. Commencing her record July 14, 1904. two hundred and fity-eight days after calving, she produced in fourteen days 20.687 fbs. fat, an average of 1.478 lbs. per day. Two thirty-day records were approv-ed, the largest of which was made by a four-year-old cow. She produced 66.921 lbs. fat, an average of 2.231 lbs. per day. From Sept, 1 to Oct. 27 records of

per day.

Of the seven-day records eight cows

burg, Ont.

#### Handling the Bull

Handling the Bull The bull should have a ring in his nose when he is a year old, and if he is headstrong—earlier. As soon as the wound is healed he should be taught to lead by it and always be handled by a staff. Daily grooming will improve the bull's looks and do him good. Never fool or play with a young bull. Teach him to mind, and as he grows older never allow him a chance to know that he can do anything eise. It is a mistake to trust him if he is gentle. One of the important items of a bull's care is to look after his feet. Keep the hoofs well trimmed, It may be necessary to throw the bull in order to saw off his hoofs. Let the bull have heat of somilart during the

order to saw off his hoofs. Let the bull have plenty of sunlight during the winter; a good sun bath is essential to the health of the animal. See that he gets plenty of exercise. The bull should never be kept in a dark pen. His quar-ters should be in a light, airy box stall where he can be fed regularly where he is in sight of the herd of cows. .58

"I manage to keep my boarders lon-ger than you do," said the first landlady. "Oh, I don't know," rejoined the other. "You keep them so thin that they look longer than they really are."



### Hollymount Farm Mitchell, Ont.

Scotch Shorthorns.--- A few young stock of both sexes, bred from very choice imported sire and dams. Write, or call on

Wm. Thompson Box 104 Mitchell, Ont. . .

# **Imported Shorthorn Bulls**

Of the best breeding. Canadian bred bulls sired by Imported Bapton Chancellor. Also cows and heifers. A number of choice Yorkshires, all ages, for sale. Write

H. J. DAVIS, Woodstock, Ont.

# Shire and Clydesdale Horses, Shorthorn Cattle

Ohoice Stock on hand at all times. Customers never disappointed.

J. M. GARDHOUSE, Weston, Ont.

SPRINGBROOK STOCK FARM.-A few splendid bull calves by im-ported aires; and dams; also two fina young heifers. Herd headed by Golden Conquerce (imp.) gloqo. Write for prices, or call on

AMOS SMITH, Huron Co., Trowbridge P.O., Listowel Station.

You must not imagine that because we sold some Shorthorns at Hamilton recently we have no more to offer,

BECAUSE we have quite a number yet, both male and female. and

# GOOD ONES TOO

Write us if you are in the market (it only costs 2 cents), and we will frankly tell you whether we have what you want.

#### John Clancy,

Manager.

H. CARGILL & SON. Cargill, Ont.

Dispersion Auction Sale of

# Scotch Shorthorn Cattle

Work Horses, Farm Stock and Implements

The property of GEO, H. JOHNSTON, Balsam P. O., Ontario, 5 miles from Claremont Station on C.P.B.

# THURSDAY, MARCH 23rd, 1905

#### 47 HEAD SCOTCH SHORTHORNS

9 particularly good young bulls, including the imported two-year-old stock hull, Choice Koral - 3605-. 36 females, including Fames, Crimson Flowers, Miss Ramsdens, Marr Standrock, Kinellar Bessies, Kinellar Minas, and other good Iribes. Trains at Claremont Station, C.P.R., will be met evening before and morning of sale. Catalogues sent on application.

GEO. H. JOHNSTON, Balsam, Ont.

On Wednesday, March 22nd, Mr. W. G. Howden, Columbus, Ont., near Myrtle, C.P.R. will sell his entire herd of 47 head of Scotch and Scotch Topped Shorthorns by auction.

Advertise in The Farming World

### FOR SALE

Two young Shorthorn bulls fit for service, good individuals and good colors, by Imp, Prince Ramsden and Howhill General from Huglish Lady and Elvira dams. Needing room and wishing to purchase a stock bull, I will and wishing to

CED. B. ARMSTRONC, TEESWATER P.O., ONT. Teeswater, C.P.R. Mildmay, G.T.R.

#### CLOVER LEAF LODGE HERD OF SHORTHORNS

Choice young stock from grandly-bred Scotch topped cows. A number from choice milking strains. This herd headed by Scotland's Chal-lenge (imp.) Well-bred Lincoln sheep. Also longe (imp.) Well-bred Lincoln sheep. Also Barred and White Rock Poultry and Bronze Turkeys. R. CORLEY,

Belgrave P.O. and Wingham, Ont. C.P.R. Sta. G.T.R.

Maitland Bank Stock Farm

Choice young bulls and heifers of finest Soutch breeding, herd headed by imp. Sent-land's Fame. Young stock from imported sire and drams, and choicest breeding. My stock and prices will interest you. Write to oreall on

DAVID H. MILNE.

Ethel P.O. and Sta., G.T.R., Huron Co., Ont.

EVERY Breeder that used WILHELM'S Control Table is good, strong, vigorans, it gaves, reases where it has been used five years, it gave the best satisfaction. If you had trouble in past years with weakly fools, try my special for broad marses and be convinced that it is not an absolute necessity to have weakly fools and that it is an unnatural condition to have them b at from Lwo to ten days, Price \$1.50, Address Wilheim, V. S., Lock Box 175, Shakespeare, Ont,



#### Hawthorne Herd of Deep Milking Shorthorns

Aberdeen Hero (imp.) at head of herd. Present offering, 6 good young bulls by Scotch sires. Come and see what we Londesboro Sta. and P.O. have.

#### MAPLE LODGE STOCK FARM Scotch Shorthorns, Choice Milking Strains, Prize Winning Leicesters Young Stock for sale-imported and home bred.

A. W. SMITH, Maple Lodge, P.O., Ont.

CHAS. RANKIN, wyobridge, Ont. importer Gatio and Oxford Down Sheep. Herd headed by Pride of Notland (imp.). For Sale -Females and buils of all ages, from noted South families.



DAVID MCCRAE, Janefield, Guelph, Canada, Importer and Breeder of Galloway Cattle, Clydesdale Horses and Cotswold Sheep. Choice animals for sale.

#### HOLSTEINS

Some fine young stock of both sexes and grand milking strains. Write or call on W. SUHRING,

Sebringville P.O. and Sta. G.T.R. Perth Co., Ont



Offering this month 4 bulks, 15 mos.; 3 cl bull caives, 5 mos.; bull and heifer caives dropped. Napoleon of Auchenbrain (imp head of burd, whose dam has a record of 7: Auchenbrain (imp.) m has a record of 721h T. D. MCCALLUM Danville, Que. dropped. Napoleon a head of herd, whose d per day. Prices low.

### MAPLE CLIFF DAIRY AND STOCK FARM

Breeders of Clydesdales, Ayrshires, Tamworths and Berkshires.

For Sale-Special offering this month

R. REID & CO.,

Sta. and P.O. near Ottawa. Hintonburg, Ont.

# Aberdeen-Angus Cattle

Choice young stock from our prize-winning herd. A few of both sexes for sale. Call on or write to W. R. STEWART. Lucasville, P.O., Ont

# Hereford Bulls at Buyers' Own Prices

Sired by imported bulls and out of imported or home-bred dams. A few heifers also on offer. We have six good things for the coming shows at prices that will make them go.

W. H. HUNTER Near Orangeville, Ont. The Maples P. O.



Pure Scotch-Topped Shorthorns, Cows bred from imported stock of grand Scotch breeding. Young stock of both sexes for sale.

J. MARSHALL, Jackson P.O., Ont. Tara Station G.T.R.

Shorthorns, Clydesdales and Shropshires for Sale.

Bulls and helfers of approved breeding and quality. Clyde filles, imported and home bred. Shearling and ram lambs, imported. Mansell. Prices Moderate. G. A. BRODIE, Bethesda, Ont., StouEville Sta.

#### RIVERSIDE HOLSTEINS

**SO Head** to select from. Six choice Bulls 8 to 11 months old, whose dams are in the Ad vanced Registry, with large official records; sired by Johanna Rue 4th Lad. Sire won prize and grand sweepstake at World's Fair, St. and grand sweepstake ac Louis, 1994, Matt Richardson & Sons, Caledonia, Ont.

#### FRONTIER FARM, Lewiston, N.Y. BREEDERS OF REGISTERED

Polled Jersey Cattle, Red Polled Cattle ... Cheviot Sheep ...

Now for sale, one Folicd Jersey Bull, 1yrs, old fed Folicd Bulls, one 1yrs, one 14 mos, and one mos, old, also few frameles. Chevitor Sheep to ex hange for registered Jersey Cows and Holfers. A. MOHR. Lewiston, N.Y.



COLEMAN P.O., ONT.

We have a number of young stock of both sexes for sale.

JERSEYS, GUERNSEYS AND AYRSHIRES

#### Prize-Winners Wherever Shown.

Prices consistent with quality.

Correspondence solicited.

Prince Edward Island

During the latter part of Feb. we have had a snow storn almost every second day. March was ushered in with snow day. March was ushered in who are flurries. The oldest residents of the province admit that this winter is the in their recollection. The province admit that this winter is the most severe in their recollection. The railway line has been blockaded with snow for about twenty days, and dur-ing that time only two trains have been able to make a through trip from Sum-merside to Charlottcown. The winter merside to Charlottetown. The winter steamers are at time of writing on the thirty-sixth day of the blockade. Very during the month of February. The loss to Island merchants and

shippers on account of the ice blockade

shippers on account is very great. No foreign mail has reached the Is-land from Feb. 23rd up to March 2nd. The attendance at th very small on Feb. 28th.

CHARLOTTETOWN MARKETS

Beef qr., per lb., 4½ to 6c, small, 8 to 12c; mutton, per lb., 6 to 8c; butter, fresh, per lb., 24 to 25c; eggs, per doz., 25 to 28c; flour, per cwt., \$2.70, per bbl., \$6 to \$7.50; potatoes, per bu., 30c; oat-\$6 to \$7.50; pointoes, per bu, 30c; oatmend, per ba, 35c; hay, per ton, pressed, \$14.00, per cwt, 85 to 90c; straw, per cwt, 50c; beets, per bu, 00c; chickens, per b, 9 to 10c; oats, per bu, 45c; turnips, per bu, 12 to 14c; pork, per ba, 5 to 50c; tartost, per bu, 5 to 50c; tartost, per bu, 5 to 30c; smelts, 12c per doz.

#### SUMMERSIDE MARKETS

SUMMERSINE MARKETS Baricy, per lut, 55 to 60c; beef carcass, per lb., 4 to 65: buckwheat, 50 to 55c; eggs, per doz., 30c; butter, per lb., 18c; call skins, per lb., 652 to 654c; 18oy, loose, \$10 to \$17; straw, pressed, \$35; hides, per lb., 652 to 654c; flour, per cwt, \$275; oatimeal, per cwt, \$2875; oats, per bu, 60 to 28c; turinep 15 to 16c; geese, per lb., 10c; turkeys, per lb., 14 to 15c; ducks, per lb., 8c to 10c; chick-ens, per lb., 6 to 10c. Saunders & Newsom have purchased from F. Bell, Royaity, three of the finest Shorthorn; catle shown in recent years.

from F. Bell, Royaity, three of the hnest Shorthorn catle shown in recent years. They will be kept for the Easter mar-ket. One tipped the scales at 1,600 lbs. The three are part of the Shorthorn herd shown by Mr. Bell at the Pro-vincial Exhibition, and which took second prize there. Some of our farmers report great

damage to their orchards by the great amount of snow on the trees.

Good crops of hay are expected this Good crops of hay are expected this year. The snow covers the tops of the fences in some parts of the country. One of armer made the remark: "We shall need no fertilizers this year." One of our citizens states that he saw two robins on Feb. 27th. An early grains is anticipated

two robins on Peo, 27th. An early spring is anticipated. Only three mails arrived at Souris during the month of February. It is reported that two King's County farmers shot valuable trotting horses owing to scarcity of fodder. A. R.

#### BOOKS AND BULLETINS

SUPPRESSION OF TUBERCU-OSIS IN CATTLE.—Address by Dr. Lorenz. Issued by C. Bischoff & Co., 88 Park Place, New York.

GRASSES AND FORAGE PLANTS. —Bulletin 93. Experiment Station, Clemson College, S.C.

STEER FEEDING-Bulletin 76. Animal Husbandry Section, College Station, Texas.

INFECTIOUS ABORTION AMONG CATTLE -- Vol. III., No. 12. State Board of Agriculture, Columbia, Mis-

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#### MONKLAND HERD YORKSHIRES

Easy feeders Good Quality. JAS. WILSON & SONS. Fergus P.O. and Sta., G.T.R. and C.P.R.

#### RILLHURST FARM.

Hampshire Down Sheep, the coming breed, threat importations. Scotch topped Shorthorna rom imported sires and dama of deep milking trains. JAS. A. COCHRANE, Hillhurst Mation, Compton Co., P. Q.

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Gotwold Sheep Berkuhire Swine Close to or direct from imported stock. Good young slock of both asses to select from. Prices reasonable. Write or call. J. ELATER, Buttowille P.O., Unionville Sta., Midland, ity.; Thornhill, Metropolitan Ry.; Markham Y., Ont.

#### IMP. YORKSHIRES SPRING LITTER

From TORONTO and other winners

-- \$8.00 A PAIR --

If ordered now, send for pedigrees, etc. Sneak outck A. W. Smith, Beachville, Ont.

Our offerings this Spring are HOLSTEIN CATTLE and YORKSHIRE PIGS

Will offer Yorkshires later on. Stock of the best of breeding. J. M. LEE & SONS

MAPLE GROVE Yorkshires

I have for sale a choice lot of December Pigs, lso Boars fit for service and Sows in farrow, rom imported and home-bred sires. T. J. COLE, Box 158, Bowmanville, Ont.

#### THE FARMING WORLD

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STINKING SMUT IN WHEAT, PREVENTION OF.—Bulletin 89. Ex-periment Station, Brookings, South Dakota,

PROGRESS IN AGRICULTURE. Evidence of Dr. Saunders, Central Ex-perimental Farm, before Committee on Agriculture and Colonization.

ALFALFA OR LUCERNE.—Bulletin 3. Central Experimental Farm, Ottawa

EMMER AND SPLIT.—Bulletin 45. Central Experimental Farm, Ottawa.

TESTING CORN FOR SEED .--- Bul-Experiment Station, Urbana, tin 96.

MARKET CLASSES AND GRADES OF SWINE.—Bulletin 97. Experiment Station, Urbana, Ill.

VALUE OF SWAMP LANDS.— Booklet issued by the German Kali Works, 93 Nassau St., New York.

BEEF PRODUCTION .- Bulletin 79. State College, Ames, Iowa.

INSECTS INJURIOUS TO CORN. -Bulletin 95. Experiment Station, Ur-bana, Ill.

PROTEIN IN WHEAT.—Bulletin 13. Experiment Station, Lexington,

CABBAGE INSECTS.-Bulletin 114. Experiment Station, Lexington, Ken-

BUREAU OF INDUSTRIES RE-PORT FOR 1903.-Ontario Department of Agriculture.

THE BABCOCK TEST FOR FAR-

MERS.—Bulletin 114. Experiment Sta-tion, Durham, N.H. REPORT OF LIVE STOCK AS-SOCIATIONS, MANITOBA FOR 1904.—G. H. Greig, Secretary, Winni-

COMMERCIAL FEEDIG STUFFS. Bulletin 147. Experiment Station, -Bulletin 147. l New Haven, Sonn.

APPLE MAGGOT.-Bulletin 109. Experiment Station, Orono, Maine.

FIELD TEST OF WHEATS .- Experiment Station, Lexington, Kentucky. ICE COLD STORAGE .- Book by

Madison Cooper, Minneapolis, Minn. REPORT OF THE CHEMIST .-

Central Experimental Farm, Ottawa.

WIND SEEDS .- Bulletin 16. Department of Agriculture, Ottawa.

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Simcoe, Ont.

This herd won the PREMIER CHAMPIONSHIP for BREEDER of LARGE YORKSHIRES at St. Louis WORLD'S FAIR. Boars and Sows of all ages, close to PRIZE-WINNING STOCK, for sale. Prices reasonable





I Guarantee to Grow Hair an Inch a Month If you are aligned with halones or failing hair or any disease of the scala, write to me and will send you Free my booklet on the over of the hair and scala, mind a Free semand. Thave haid synar: practice in diseases, of the hair, skin and acain, having preseribed for the United States, such as Steps, Couper A Co. Chicago, Essenhain Dry Gonds Co. Mit-wankes (addan Haie, Sk, Paul, Goods, Co. Mit-wankes (addan Haie, Sk, Paul, Goods, Co. Mit-uratice) and fails states. I guarantee to gree hairs of hair failing our the states of the United States. I guarantee to gree hairs of hair failing our the states and raid and the states of the states. The states and raid out the state of the states of the states and raid out the states of the states. The states of the state of the states of the states and raid to its maturing cool. Scala & postage. Write to-day for Free Sample and Booklet. PROF. A. MISTIN, Bacteriologist.

PROF, J. H. AUSTIN, Bacteriologist, 36 McVicker's Theatre Building, CHICAGO, ILL.

#### Three Useful Books

The following are three books just issued by Morang & Co., Toronto, that will be found very useful for farmers:

MAKING POULTRY PAY.—This is a new book by Edwin C. Powell. The author in preparing this work has drawn largely from the experience of practical poultry keepers, and has produced a hand-book of poultry keeping that should prove a safe and convenient guide for those who keep few or many fowls. The book is well illustrated by views of the leading breeds of fowl and by plans of poultry houses and appliances

FARM GRASS.—In this estimable work the author, Mr. W. J. Spillman, of the Bureau of Plant Industry, United States Department of Agriculture, has endeavored to present in connected form the main facts concerning the grasses grown on farms, in so far, at least, as these facts are of interest to farmers. Actual practice in grass growing has been set forth, every phase of the sub-ject being viewed from the farmer's standpoint

SUCCESSFUL FRUIT CULTURE. -By S. T. Maynard, formerly Professor of Horticulture, Massachusetts 'Agricul-tural College. This is a practical guide to the cultivation and propogation of fruits. The author has aimed to make a book that is up-to-date in every par-ticular, and to cover the entire practice of fruit growing from the starting of the seed or cutting to the marketing of the fruit. It is written from the stand-point of the practical fruit grower, who is striving to make his business profitable by growing the best fruit possible, and at the least cost. The work is suitably illustrated. .1

#### How She Hangs Them

"So, to put it slangily, you think that Mrs. Henpeque wears the trousers in that family?"

"Well, no; I wouldn't say it that strong, I would say that she hangs her skirts up with the trousers stretcher."— Cincinnati Commercial.

What kind of fur did Adam's wife ear? Bear (bare) skin. wear?

for soon. At Montreal new laid at 22c in case lots, and here at 21c to 22c.

There is little doing in poultry, excepting in a purely local way. DAIRY PRODUCE

Cheese cables have materially advanc-ed and holders on this side have ad-vanced their prices to 11c and 11/4c, or a little above cable limits. There is

evidently a much better feeling, and the remaining stocks of held stuff are expect-

ed to be cleared off very shortly. It is reported that some Ontario fodder

cheese has sold at 101/4c and that several contracts have been made for April cheese at that figure. The impression now is that very few fodders will be turned out, though if buyers put up the

price the goods will be forthcoming

The butter market is in a somewhat unsettled condition. There is not enough new milk creamery to meet the demand, while the supply of held stuff is more than the market will take. Most of the latter offered is not of very desirable quality, and consumers do not want it.

At Montreal good held stuff has been selling at 27c to 28c, and new milk creamery at 30c, in a jobbing way. A

verance and a suc, in a jobbing way. A year ago new milk creamery sold at 21c per lb. The market here rules steady at 27c to 28c for choice dairy rolls, and 32c to 24c for choice dairy rolls, Tubs and large dairy rolls sell at 19c to 22c per lb.

# Market Review and Forecast

#### The Trend of Markets-Supply and Demand-The Outlook

## Toronto, March 14, 1905.

Bad roads are still affecting trade in the country districts, though they cannot last much longer now. In spite of this, however, the outlook for general trade was seldom or ever better than at present, orders for spring delivery in a number of lines of goods having exceeded those of a year ago. There has been more demand for call money, which rules steady at about  $4\frac{1}{2}$  per cent. counts remain steady at about  $6\frac{1}{2}$ .

#### WHEAT

There is nothing new in the wheat situation excepting it be that the specu-lative element is hard at work, and the effort to corner May wheat is still on. This element may run up the price at any time to suit their own purpose, but it will be no more than a temporary jump. It would seem that the only place where there is a scarcity of wheat is in America. There was a report last week that wheat had been shipped from Europe to New York for the milling trade. Aside from this there is a librade. Aside from this there is a world's eral supply of wheat in sight, the world's total last week was 79,725,000 bushels, as compared with 73,538,000 bushels a, year ago. Shipments from Russia and Argentina show large increases, and on the whole there seems to be no great indication of a scarcity. But everything from now on will depend upon the growing crop. In the southwestern states, where the winter season is about over, the winter wheat situation is reported to be encouraging, with less damage from winter killing than a year ago. Locally the market is quiet at about \$1.00 for red and white, 97c to 88c for spring, and 88c to 90c for goose. the winter wheat situation is reported

#### COARSE GRAINS

The oat market continues to hold its own. Wholesale quotations at Montreal range at about 46c. Here prices are steady at 40c to 41c, shippers' quotations, at outside points. Business in both barley and oats continues quiet at quota-tions. Corn is firm and there is a good demand at 45½ c to 47c for Can-adian, Chatham freights.

#### BRAN AND SHORTS

A large export demand has been the feature of the millfeed market the past few weeks. A great deal of Manitoba bran has been sold recently in this way. Some millers are reported oversold, but there has been no change in prices, which rule steady at quotations.

#### HAY AND STRAW

Hay rules steady and no material nange in prices is reported. Receipts, change in prices is reported. however, are increasing somewhat, ow-ing to better weather, which may have some effect on prices. Montreal quotachange in prices is reported. some effect on prices. Montreal quota-tions are \$8 to \$9.50 for baled timothy. as to quality, and \$6.50 to \$7 for clover and \$7 to \$7.50 per ton for mixed. Here timothy sells at \$8 and mixed clover at \$7 on track Toronto. The demand for straw is not so good

still prices rule at about \$6.

#### POTATOES AND BEANS

There is an easier feeling in pota-toes at Montreal, with a steady market

reported here. The bean market is strong, owing to small offerings and prices are steadily advancing.

#### EGGS AND POULTRY

Eggs are on the down grade. The milder weather has induced a weak feel-ing and even lower values are looked

#### LIVE STOCK

Generally speaking the live stock mar-ket has been active during the past week, with prices higher in several lines. Ex-porters ruled a shade higher and buyers have been offering a premium for prime sters. In fact, everything in the cattle line has here, active mercen inferior have been outering a premum or process steers. In fact, everything in the cattle line has been active except inferior butchers' cattle, the demand for which has been very dull. The market for exporters was the best for some time past, prices being fully 10c per ext. higher for all grades. Choice export cattle sell at \$4.40 to \$5 and good to maining \$4.29 to \$4.40 per ext. In the medium \$4.25 to \$4.40 per cwt. In the butchers' line there have been too many of the commoner grades offering, which there is no demand. Choice sell quickly at from \$4.25 to \$4.65; fair to good \$3.75 to \$4, and other quality \$2.50 to \$3.75 per cwt. There has been a good equiry for feeders, with short-keeps in most demand at \$4.25 to \$4.50 per cwt, and light to medium \$2 to \$4.50 per cwt, and light to medium \$2 to \$4.50 Feeding bulls bring from \$2 to \$3.50 per cwt. Stockers are in fair demand at \$3 to \$3.40 per cwt, for best and \$2 to \$3 for common. Calves sell readily at \$3.50 to \$6 per cwt., and choice milch cows bring from \$35 to \$55 each.

cows bring from \$35 to \$35 each. The sheep market continues strong and firm, with receipts on the light side, with the exception of that for export sheep, which has ruled a trifle easier. Export sheep are quoted at \$3.50 to \$25 rdf, and \$55 rdf, and \$25 rdf, and \$55 rdf, and \$25 rdf, \$25 rdf,

\*8 each. The hog market is on the upgrade and prices during past week advanced

# The Canadian Produce Markets at a Glance

The highest quotations of prevailing prices for standard grades of farm produce in the leading markets on the dates named. Poorer stuff lower.

Date		Toronto		ntreal	St. John		Halifax		Winnipeg	
				13		10		10		10
Wheat, per bushel	\$ 1	02	5 1	08	8		\$		\$ 1	~
Oats, per bushel		41	17.1	46		50	· ·	50		38
Barley, per bushel		47		481/2		55		56		39
Peas, per bushel		67		66		77		78		39
Corn, per bushel		47		571/2		65		66		
Flour, per barrel	4	50	5	70	6	00	6	10*		00
Bran, per ton	17	00	18			50		50		00
Shorts, per ton	19	00		00		50		00		00
Potatoes, per bag		80		80		-10bu		-40bu		00
Beans, per bushel	1	10	1	So		80		00		75
Hay, per ton	8	00	0			50		00		00
Straw, per ton	6	00	6			00		50		
Eggs, per dozen		22		22	9	26	9	27		26
Chickens, per pound, d.w		1.2		11		1 00		00	per \$	
Ducks, per pound, d.w		14				1 00		00	Ib.	
Turkeys, per pound, d.w		17		16		20	· ·	20	1.1	16
Geese, per pound, d.w		12		11		16		16		10
Apples, per barrel	3	00	3	50	1 2	50		50		00
Cheese, per pound, d.w		1114	1 3	111/2	3	1114	3	1114	3	113/2
Butter, creamery, per pound.		28		30		30		31		30
Butter, dairy, per pound		2.4		22		24		25		20
Cattle, per cwt	5			00		85	4	85		00
Sheep, per cwt	5		5		1.7	75	1.7	75	1 1	
Hogs, per cwt		00	6		1 3	75	4		1 1	50
Veal Calves, per cwt	6	25		00	2	75				1000
. and married her entretteret	~	-3		110	5	0.0	5	50		1.4



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246

# THE FARMERS' EXCHANGE One Cent a Word

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FARMS FOR SALE

THE south east quarter of Sec. 10. Township 12, Range 11, 199 acress all in a good rate of cultration, 160 acres ready for crop, the real patters, all fenced with wire and cak posts; good wells; 5% mile from shoot, 1 mile from good wills; 5% mile from shoot, 1 mile from good timber, to do flay and spring water effects by. Will rein or sell cheap, apply to D. A. SMITH, Austin P.O., Manitoka.

50.06. DMTTR, Kuehr F.G., Minittoon. \$20,000 FOR SPLENDID 230 acce farm, with solid brick house; barns 100 x 35, 115 x 40; hog pen 35 x 55; windmill, etc.; 4 miles from Branti-ford. Come and see it. \$4,000 for 106 acres, frame barn; 6 miles from Brantford. For par-ticulars address 5. G. R.ŁAD & SON, Brantframe ba ticulars

MANITOBA FARM FOR SALE-Haif section (2) two miles from the town of Boisswrin Good what land. Its nerse rendy : up-to-data buildings: lay-stone barm with windmill on top, scenet floor, etc. Could furnish seed and team of horses if required. Terms till spring only, 85,70, 3500 cosh. For full particulars apply to owner, C. S. HOLDEN, Boissevan, Man.

FOR SALE—Oak Park Stock Farm; valuable stock farm, nearly 500 acres, near Paris and Brantford; olectric rallway passing it; very handsome rosidence, and large and up-to-date outbuildings; fine orchard. Apply to DOXALD MILLOY, Ess, on the premises, or to HOSKIN & OGDEN. 32 Toronto Struct, Toroto.

## LIVE STOCK

SHORTHORNS-The beef and butter com-bination. Scotch collies from imported stock. Write for particulars. H. C. GRAHAM, Ailsa Craig. Ont.

FOR SALE—SHORT HORNS—4 choice young bulls, fit for service, of the real low set Scotch type, sired by the grand stock and show bull Royal Member, imported, by Royal Sailor, im ported. GEO. GIER, Grand Valley, Ont.

SCOTCH SHORTHORNS-1 bull calf, 12 nonths, from inp. stock, helfers in calf and eady to breed, 30 Shropshire ewes. Berkshire ocars from imported stock. D. H. RUSNELL, konffylle, Ont.

IMPORTED CLYDESDALES-5 voung stal lions, 4 two-year-olds, 1 four-year-old, sired by Mains of Airee Prince Alexander, etc. ALEX. McGREGOR, Uxbridge, Ont.

ROGREGORI, CAUTAGE, OR. BARREN COW CURE makes any animal neder ten yearsold breed, or refund the money. Iven in feed twice a day. J. B. Ketchen, Pentonia Park Farm, Coleman, Ontario, says: Bave used your Bayeron Cow Cure success-lave used your Bayeron Cow Cure success-tate and your Bayeron Cow Cure success-tate and your Bayeron Cow Cure success-tate and the success of the success of the success-tate and the success of the success of the success-tate and the success of the success of the success-tate and the success of the success

FOR SALE—a number of imported Clyde and Shire stallions and marss. Amonges the profee below competition. Shorthern hult and hetersail breed in the purple, several imported and Brettone's breeding from price-winning and Brettone's breeding from price-winning away. Her months old, can supply pairs not aking other of the state of the several state of the other of the several state of the several state of the other of the several state of the several state of the several state of the several state of the several other of the several state of the several

## NURSERY STOCK

SALESMEN wanted for our hardy Nursery Stock. Choice Specialties. Liberal terms. Elegant outilt free. Pay weekly. CAVERS BROS., Galt, Ont.

BRUE- van, van, van. WANTED-Resrgetic, responsible men to seil fruit trees, ernamentai trees, etc. Canraus-ing outif trees. Liberaj tays weekly. Ar-ing outif trees. Liberaj tays weekly. Ar-before offered for sale in Canada. For best terms apply NOW, PELHAM NURSERY COMPARY, Toronto, Ont.

GINSENG-Fortunes in little gardens. Easily for an example of the second second second for sale. Plant in spring or fall. Complete booklet and magszine &. OZARK GINSENG CO., Joplin, MO<sup>6</sup> U.S.A.

NEW STRAWBERRY-King Edward and other varieties; also seed potatoes. Send for list. R. C. CRYSLER, St. George, Ont.

#### THE FARMING WORLD

#### POULTRY

BUPF ORPINGTON EGGS FOR SALE Pen No. 1 consists of 7 imported hems, let Chi-tan and the second per 16, 8500 per 10. J. W. CLARK, importer Band reader, Gainwills, Ont.

BINGLE COMB Brown Leghorn Males, \$1.00, \$1.50 and \$2.00, up. Bred from Toronto winners. Mate one with your flock and increase their egg production. W. J. PLAYER, Galt.

S. C. BLACK MINORCAS exclusively. Some good cockerels, pullets and breeding hens left. My first pen is hended by a cock (First Borton Cockerel, 1962). Eggs 22.00 and \$1.50 setting. E. R. FRITH, Maxville, Ont.

BUFF WYANDOTTES. Canadian Cham-pions. Winners wherever shown. Beauty and utility combined. Stock and eggs forsale. Send for circular. REV. S. T. BARTLETT, Col-

GOOD, vigorous White Wyandotte Cockerels cheap, to make room. W. D. MONKMAN, Bond Head, Ont.

BUFF AND BLACK ORPINGTONS and Rhote Island Reds, stock for sale. Eggs 83.00 per 15, 55,00 for 20, 310.00 per 100. CEDARDALE POULTRY FARM, Winchester, Ont.

BUFF AND GOLDEN WYANDOTTES-Bouties, bred from prize winners. Males \$1.60, females \$1 each. Speak quick. A. W. GRA-HAM, St. Thomas, Ont.

THE MODEL INCUBATOR is made in Canada by C. J. Daniels, River Street, Toronto. The men who are in business for a Hvelhood are using The Model, because it gives larger average hatches than other machines, with less care and worry. Ask for entalogue.

INCUBATORS—Poultry and Pet Stock Sup-plies, Large new catalogue free. A. J. MOR-GAN, London.

EGGS that will hatch strong chicks, ans, White Wyandottes, Leghorns and C dans, White Wyandottes, Leghorns and Ca da Reds. Card brings you circular and pr list. GEO, M. CUNNINGHAM, Collingwo

SHEFFIELD STANDARD OATS, One hun-dred bushels choice seed onts. Test, 41 ibs, per bushel: heavy yielder: guaranteed pure. Write for prices. M. C. HERNER, Mannheim, Ont.

THOROUGHBRED ROSE COMB WHITE LEGHORNS; also Rhode Island Reds. Heavy layers. Eggs 5 cents each. E. JONES, North Hartland, Vt.

Always mention The Farming World when answering advertisements. It will usually be an advantage to do so.

to \$6.00 per cwt. for selects, \$5.85 for fats and \$5.50 for lights. The mar-ket is firm at these quotations. Receipts have been very large of late.

#### HORSES

There is a good demand for nearly all kinds of horses, especially good sound serviceable working horses. Good, well broken draft horses bring all the way from \$125 to \$225 each at the Repository, Toronto Dealers, however, com-plain that farmers are asking too much for horses, and more than they can afford to pay, especially for those not in market trim. There is also a good business doing in Montreal, especially for the better class of heavy workers. Some choice heavy workers have sold there recently at \$225 to \$275 each, and at \$150 to \$175 for less desirable ones. 38

#### Fruit Institute Meetings

Supt. Putnam has arranged for fruit institute meetings to he held as follows: institute meetings to he held as follows: March 22nd, Ingersoll; 23rd, Nor-wich; 24th, Cainswille; 23th, Oakville; 27th, Clarkcson; 28th, Islington; 29th, Churchill; 30th, Collinewood; 31st, Hornbury; April 1st, Meaford; 3rd, Owen Sound; 4th, Allanford, Dele-gates—A. E. Sherrington and P. J.

Carey. March 20th, Tupperville; 21st, North-wood; 22nd, Dutton; 23rd, Sparta; 24th, Appin; 23th, Ilderton; 27th, Parkhill; 28th, Goderich; 20th, Blyth; 30th, Brus-sels; 31st, Lucknow; April 1st, Walker-ton; 3rd, Paisley; 4th, Port Elgrin, De. Legates—D. Johnson and A. Gifford.

#### 15 March, 1905

#### Contributors to Guelph Sale

The animals to be offered at the Guelph sale on March 22nd have been carefully selected, and will be found to be of superior quality. The 75 en-tered are from such breeders as E. Jeffs tered are from such breeders as E. Jeffs & Son, Bondhead; Geo. Amos, Morfatt; J. L. Howard and T. Scott, Sutton West, and H. K. Fairbairn, Thedford, and others equally prominent. Three Herefords from the herd of J. A. Go-wanlock, Forest, will be offered.

#### .12 Agricultural Missionaries

A somewhat unique organization has recently been incorporated in Wright County, Quebec. It is a sort of mis-sionary organization and has a capill stock of \$100,000. One of its main obstock of \$100,000. One of its main ob-jects is to encourage and develop colonization by the establishment of schools for the purpose of imparting scientific and practical agricultural knowledge to people wishing to study this branch of science; to establish mis-sions for the purpose of delivering pub-lic and other lectures on religious train-ing and on agricultural and industrial ing and on agricultural and industrial sciences; to establish orphanages wherein the above sciences are to be taught to the inmates, so as to enable them to adopt a trade or give themselves up to the practice of agriculture and indus-trial sciences and become useful members of society.

The headquarters of the association will be at St. Alexandre de la Gatineau,

#### 38

## The 1904 Clover Seed Crop

The 1904 Clover Seed Crop It is difficult in any year to make a close estimate of the supply of Alsike and Red Clover seed until the season for threshing is well advanced. As a part of their work the instructors in seed growing, who are employed by the Seed Branch of the Department of Agricul-ture at Ottawa, collect information and make observations regarding the corp-ditions of this as well as other crops doing the growing seasch, information

From the best available information at this time, it would seem clear that the total output of Red Clover seed pro-duced in the Province of Ontario will prove to be rather less than two-thirds of an average crop. The severe winter of 1903-4, combined with prolonged drouth in many of the districts where clover seed is most extensively grown, was exceedingly unfavorable to the clowas exceeding unavoiable to the coo-ver crop of 1904. In consequence, the area left for the purpose of seed produc-tion was considerably less than in for-mer years. The clover seed midge was also much in evidence in nearly all of

also much m evidence in nearly all of the districts in Ontario. The Alsike crop fared even worse than the Red Clover. Not only is the available supply of home-grown seed limited, but the quality of the seed pro-duced this year is, on the whole, inferior. –W. A. C. .42

#### Sugar Beets Pay

Sugar Beets Pay As far as I am concerned I would like to see the sugar factory supported by the farmers. We, as farmers, should look ahrad. The first year I had five acres yielding about nine tons to the acre. This year I had seven acres which yielded over one hundred tons, that averaged me \$5.00 per ton, upon which I had only a cash outlay of about \$5.00 per acre. How many farmers keep an account of the cost of the production of a grain crop? But most farmers keep an account of the cost of production keep an account of the cost of production always sowed oats or barley, which has been a good crop. My beet crop this been a good crop. My beet crop this year, as far as I have been able to figure, has yielded me \$65.00 per acre. Figuring the cost of production and delivering

at the regular wages paid for such work, it leaves me a net profit of \$20.00 per acre. As to the quantity of seed, I would rather exceed eighteen pounds to the acre than sow less.—S. S. Herner, Waterloo Co., Ont. .12

# Handling Manure

I am going to give you my experience in handling manure. To begin with, I have a twelve foot air motor that gives me power to grind grain, to saw all small sized wood, to run pulper and to cut all our feed and bedding. Everyone knows that cut straw will loak up more liquid than uncut straw. It also leaves the mources the manure in better shape for top dress-

the manure in better shape for top dress-ing. We wheel the manure out into a cov-ered shed, mixing log, horse, cow and hen manure together. Every two weeks we haul it out to the fields that have been plowed in the fall. The manure is put in large piles about three feet deep fait on top. If I have more straw than I want I cover the piles about 8 inches deep. This keeps them from dry-ing out on top. In the spring, as soon as the ground is ready, we give the field one stroke with the carbin harrow, spread the manure, then go over the field

field one stroke with the carbin harrow, spread the manure, then go over the field again with the harrow, sow the grain and seed heavy with clover and grass. I have been following this plan for 10 years and never had a load of manure firefanged or missed a good carb of clover and grass—James Sloan, Gren-ville Co. Om.

# The Ottawa Winter Fair

(Continued from Page 223.) to his credit. Telfer Bros., Paris, were the only exhibitors in Southdowns. They the only exhibitors in Southdowns. Iney also showed Hampshires, but met strong competition in this class from James Bowman, Guelph. R. H. Harding, Thorndale, was the only exhibitor in Dorset Horns, and Lloyd-Jones Bros. in grades and crosses.

IN THE PAIRS in grades and crosses. IN THE PAIRS Hest there were about ten head of cows entered. J. G. Clark of Ottawa, had wo Ayrshire cows; Mr. Neil Sangster one aged Holstein cow and one heifer about 22 months of age, which in spite of having slipped her calf before due, gave a good account of herself in milk, testing 207. The winner of first place is an Ayrshire grade, sold last year at auction by R. Reid & Co., of Hinton-burg, to Mr. T. A. Spratt, of Billing's Bridge. Her mark was 110.7 points. She gave during the 48 hour test 89 hs. milk of better than 4 per cent but ref at. The second prize winner is a Holstein owned, Dy. Neil Sangster, of Ormstown, P.Q. Her test was 116 hs. of milk, testing 2.8 per cent of butter fat.

fat. METING METING As at Gutlph a series of meetings were held during the show, at which a number of practical addresses were de-livered on live stock and dairy sub-jects. Among those who delivered ad-dresses were: Hon. Sydney Fisher; W. Staley Spark; Professors Day and Dean, of O.A.C. j. H. Grädale, Cent-ral Experimental Farm; G. H. Clark, Chief of the Seed Division; Robt. Mil-ler; A. W. Smith; John Jackson; J. M. Gardhouse, and R. Clarke. Owing to lack of space the report of these meetings theld over for next issue. Datawa Sale

#### Ottawa Sale

Ottawa Sale The provincial auction sale of Short-horns, held at Ottawa on March 10th, was a success. 20 males sold for \$1,544.50, or an average of \$77.33; 13 females sold for \$1,038.00, or an aver-age of \$79.85. The 33 head sold for \$2,582.50, or an average of \$78.30 each. Fuller report next issue.

#### Manure Spreaders

At dairy conventions now there is a great deal of talk about manure spread-ers. It is remarkable what excellence is claimed for this machine in the way of improving the crops. This talk was not by agents, either, but by men who had used the spreader on one part of the field and the old method of hauling out in piles and spreading in the spring by

hand on the other part of the field. Of course, the most perfect plan is to have the spreaded machine where it can be the spreaded machine where it can be emptied into from the stable door and hauled out every day and spread di-rectly. This is the approved plan, tak-ing all things—drying, leaching, escape of annuonia, and all—into consideration. It is worth your while to examine into this.—Jersey Builletin.



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possible prices. Headquarters for packing dealers' orders. Farmers wishing to buy first-class stock absolutely **first hand** and **without paying commission** to **agents**, should write to us at once for a catalogue and price list. Don't wait until the last minute, as you will be disappointed. Place order early and secure the varieties you want.

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