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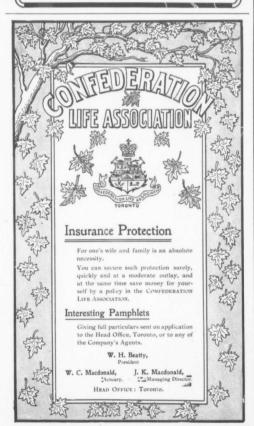
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And Canadian Farm and Home

VOL. XXIII

TORONTO, 1 JUNE, 1904

No. 11

The Growing Time

JUNE is the banner month of the year on the farm. Everything is at its best. Progress and growth is the order of the day. The farmer sees life in everything around him. The fields are shaping for the harvest that is to be. The trees are redolent with fragrance, a harbinger of the luscious fruit of the autumn time. Even the cattle and sheep in the meadows show forth the spirit of the season, while every living creature seems to realize that June time is the growing time, the best of the year.

Amid such surroundings the farmer's life cannot but be a happy one. He is in a position to rejoice above his fellows. He is close to nature, when nature is at her best. He has sown, and the fruits of his labors are to be seen on every hand. Surely nothing could be more pleasant or fraught with more of the blessings that make for happiness, peace and contentment. Truly, June is the best of them all.

Push Our Flour in the Orient

The Japanese government, so it is reported, has added wheat flour to its army ration. This in itself means little so far as enlarging the present market for wheat But it may have an important bearing upon the future. If wheat flour becomes the daily food of two or three hundred thousand men, it will get a big introduction in the East. The soldiers, having acquired a liking for it on the battle field, will make known its good qualities when they return home, which cannot but greatly stimulate the demand for flour, and in consequence greatly enlarge the market for wheat in Asiatic countries.

When this time arrives Canada should be ready to secure a large share of that trade. At the Osaka Exposition last year Canadian flour received a splendid advertisement. This should be followed up by persistent efforts to push Canadian flour in Japan as much as possible. Sooner or later the time will come when Western foods as well as Western civilization will be sought for and as ardently desired by the people of the Mikado's country.

Changes at the O.A.C.

Some important changes have been decided upon in connection with the farm and live stock departments at the Ontario Agricultural College. Mr. G. E. Day, who has been professor of agriculture and farm superintendent, will be relieved of part of his duties and placed in charge of the department of animal husbandry, Mr. C. A.

Zavitz, now director of experimental work, will be promoted to the position of professor of field husbandry, or agronomy, as it is called in the United States.

This is a move in the right direction. Ontario is a live stock province if it is anything and should have at its agricultural college a department specially devoted to this branch of husbandry. Relieved of some of his former duties, Prof. Day will be able to make the department of animal husbandry of much greater value, not only for the college, but also to the stockmen of the province, than it has been in the past. Prof. Zavitz, in his new capacity, will have greater opportunities for demonstrating on a larger scale his expert knowledge of grain growing and field husbandry.

As Others See Us Editor-in-chief "American Agriculturist," writes: "I must

Editor-in-enier American agriculturist," writes: "I must compliment you on your dairy number; it looks fine." The "New Glasgov Times," Nova Scotia, in its issue of May

14th, says:
"THE FARMING WORLD for May
and is exclusively devoted to the
dairying industry and contains invaluable information and advice
to those engaged in the art of
butter and cheese-making. The
issue contains a letter on
"Dairying in Nova Scotia,"
from the able pen of Mr. F. M.
Logan, Government Inspector,
with an accompanying illustration cut of the Acadia Dairy
Company's building at Wolf-

"We commend THE FARMING WORLD to our many friends engaged in agriculture. It is, without exception, the best farming magazine published in the Dominion."

Canadian Hard Wheat Wanted

Conditions are developing in some of the Western States immediately south of the boundary that may have an important bearing upon the future of wheat growing in Western Canada. The percentage of wheat known as the hard grades of wheat, grown in Minnesota, and North and South Dakota is decreasing every year. While this is true, the demand from the big millers at Minneapolis for this quality is increasing. In Minnesota, the banner hard wheat state, there are 800 creameries in operation, indicating that many farmers no longer find it profitable to grow wheat at an average yield of about 15 bushels per acre.

The situation today is that the Minneapolis millers find it very difficult to get a sufficient supply of hard wheat to blend with the large supply of soft

wheats grown farther south, and they are now agitating for the removal of the duty on Canadian wheat going into the United States, in order that they may have access to the hard wheats of Manitoba and the Northwest Territories. Should the American government remove the duty, it will mean much to the wheat grower of Western Canada. It would to some extent solve the transportation problem by deflecting a large amount of wheat through American channels, instead of by the long haul to the east over the Canadian route. But such deflection would mean leaving the by-products from the grinding of this wheat in the United States to be used in feeding live stock to compete with ours in the world's markets. It is worth considering, therefore, if it would not be better to further develop our own milling facilities so as to retain as far as possible these by-products at home. Have our readers an opinion to offer?

The Farm Student

There was a time, not so many years ago either, when the farm student was very much in evidence in many parts of Canada, especially in Ontario. His arrival was due to the efforts of some private agency, which made a tidy sum by placing the sons of wellto-do Englishmen with Canadian farmers to learn our methods of agriculture. These students either gave their services free to the farmer or paid a yearly fee for the tuition received. Owing to the irresponsible character of many of these private persons, who only engaged in the work for the money there was in it, those brought out, for the most part comprised the "black sheep" of the family, and were shipped to Canada to be out of the way. They had no desire to learn farming of any kind, and in many instances became a public nuisance. Consequently the farm student idea got into disrepute and was discouraged by government immigration officials both at home and abroad. It is only fair to say, however, that not a few of these students of the better class, placed amid suitable surroundings, became faithful and valuable citizens and are today among the most prosperous and up-to-date of our farmers. They had means, which they invested wisely and well. But too many were of the shiftless, worthless class and of no use to any community.

Conditions are different today. The attention which is being directed to Canada at the present time in the old land, has aroused the British people up to the great possibilities of Canadian agriculture. Instead of sending out the "black sheep," many well-to-do

citizens are looking to Canadian agriculture for an opening of their brightest and best boys. They are making enquiries of government officials and others for places on Canadian farms where their sons may learn something of our methods of farming. These boys have or will have ample means to start farming on a liberal scale when their tuition is completed. Consequently the farm student idea appears in a more favorable light today and offers opportunities for bringing to Canada as settlers some of the best young men of the United Kingdom.

But in whose hands should rest the placing of these students on farms where they will be fairly treated and given such home comforts as they have been accustomed to in the old land? It cannot be left to a private agency, as the eagerness for gain would defeat the object in view, that of keeping these young men in Canada and inducing them to buy and settle on the land. The work must be looked after by some responsible government agency. In Ontario it might very well be undertaken by the Bureau of Farm Labor, which is now doing such efficient work in supplying the farmers of this province with farm help. By adding to this branch of the Crown Lands Department an inspection service throughout the country whereby suitable places may be secured and the students kept track of during their tuition period, the work could be effectively and well done. The officers of Farmers' Institutes might, for a small fee, undertake to look after the boys in their respective districts. At any rate the government should take action, and by some means or other arrange to have these students looked after. They are bound to come in increasing numbers during the next few years. In fact, during the past week or two there have been several wellto-do Britishers in this city making inquiries as to where suitable places could be secured for their sons who desire to engage in Canadian agriculture. The demand is urgent and the work should be placed in responsible hands and systematized if the most is to be made of the opportunity.

But will the Canadian farmer lose anything by taking up the work of teaching the young educated Britisher to farm? We think not. In fact, he has everything to gain and nothing to lose by it. For the most part the young men who are today seeking places as students on Canadian farms are manly, robust fellows, willing to work, and imbued with an earnest desire to learn Canadian agriculture and to make the most of the opportunities which the country affords. Such young men, in these days of labor scarcity, would surely be worth their keep, and very good keep at that. They should, however, be treated differently from the ordinary hired man, and should not, at the beginning at least, be expected to do the work of the fellow getting \$25 a month and

board. We heard of one case where a farmer asked a farm student to clean out six filthy pig pens on a public holiday, while he and his family went away on pleasure bent. This was a pretty severe test and of course the young man sought a new teacher. With fair treatment, however, the class of farm students coming to this country at the present time can be made useful and valuable citizens and while gaining their agricultural training, of very great help to the farmers in whose charge they are. .12

Manipulating Apple Prices

The following from the weekly report of March 26 of J. B. Jackson, Canadian Commercial Agent for Leeds and Hull, accounts for some of the queer tricks the apple markets at certain English centres play on Canadian ship-

"I understand that a great number of Canadian apple shippers have been very much dissatisfied with the prices realized for their products at the prinrealized for them. It is well now cipal ports here. It is well now here that when large quantities of aphere that when large quantities of aphere and London, and London. ples are delivered at the ports, such as Liverpool, Glasgow and London, and larger shipments are also expect-ed, that most shameful slumps are ed, that most snameful slumps are engineered by those interested, and the apples being sent on consignment and auctioned at the different ports, the prices are slaughtered, and the Canadian exporter is naturally dis-gusted. This happens more especial-ly with the smaller exporters and those who are new to the business.

The goods belonging to the larger and more influential shippers are quietly held, because it would not be in the interests of the commission men at the ports to have the large shippers treated in exactly the same

To overcome this Mr. Jackson recommends shipping direct to inland cities and districts. This could be done by arranging with some responsible broker or provision dealer to take orders on commission for Canadian apples, and have them sent through in regular weekly shipments during the season to the different cities in the district. By trading in this way, Mr. Jackson thinks, the Canadian exporter would be able to fix his price at home before the apples were shipped and would get payment as against the documents attacked.

While things might work out as he suggests, speculation and manipulation of the market at the ports of entry could, perhaps, best be overcome by organizing co-operative fruit associations at home and compelling the English dealer to buy f.o.b. at local shipping points in Canada. A collection of several thousand barrels of apples of uniform quality and uniformly packed, at one central point would, we think, be a sufficient inducement to compel buyers to come from a long distance, even from Great Britain.

Excursions Begin

The East and West Peterboro and East Durham Farmers' Institutes will hold a big excursion to the Ontario Agricultural College, Guelph, on June 9th.

Grow More Corn

Farmers in Ontario, and in other parts of the Dominion where it can be grown satisfactorily, do not give as much attention to the corn crop as they should. There is more good, wholesome, succulent food for stock, especially for cattle, in a field of corn than can be got from any other crop. A farmer who has a ten acre corn field to fall back upon need have little fear that his supply of winter's feed will run short, provided he gives attention to housing and caring for it profitably.

By far the best way to preserve corn for winter's feeding is the silo. Every farmer who keeps cows or cattle of any kind, should have one. Though the silo's advantages are recognized by most farmers, it has not taken the hold upon our people that it should. In the states across our southern border it is not a question of whether the silo is the right thing or not, but how it can best be built. This should be the attitude of the Canadian farmer. The question with him should be how best to build one so as to get the best return for the money. This has been touched upon so frequently in these columns that it is bardlen. is hardly necessary to dwell upon here. What is more important at it is nardly necessary to dwell upon it here. What is more important at the moment is to get the corn in the ground in good condition. Cultivate the soil well, plant good, plump, successed of some arresty that, is more to some arresty that is not so to the solid plant good, plump, and with anything like favorable conditions a good crop is assured. When planted, cultivate regularly and as often as you can. In the meanas often as you can. In the mean-time plan to build a silo for next fall's crop.

Horse Insurance

In European countries a flourishing business is done in horse insurance. Companies which engage in this line of insurance find it a most profitable business. One Scottish company, a year or two ago declared a dividend of ten per cent. on its capital stock, with an additional bonus dividend of two per cent. The operations of such companies are usually satisfactory.

In America, where there is a de-mand for horse insurance, there are no companies organized for this purpose. They should be able to flourish as well on this side of the water as in the old land.

Made Acting Head

Mr. W. J. Rutherford, one of last year's graduates of the Ontario Agri-cultural College, has been made act-ing head of the Animal Husbandry section of the Iowa Experiment Stastein of the Jova Experiment strong during the absence of Professor Kennedy in Europe. He has also been appointed by the U. S. Department of Agriculture to take charge of the cooperative range sheep-breeding experiments

Auction Sales Growing

At Calgary last month over 400 head of pure-bred cattle were sold at a sale conducted by the Territorial breeders' Associations.

ers' Associations.
The Scugog Agricultural Society
and the Port Perry Board of Trade,
will hold a joint sale at Port Perry,
Ont, on June 16. If sufficient encouragement is given, sales will be
held monthly to sell by auction all
kinds of farm animals.



Prior's Hero-Shire Stallion. Property of T. J. Berry, Hensall, Ont.

The General Purpose Horse

A good deal of discussion has re-cently arisen regarding the class to be found at all fairs, that for general purpose horses. What the draught horse is, or what he ought to be, has long been defined in a manner at least acceptably clear, and such is also the case with the various classes of light harness norses. Each of these animals has been bred of a size, and with, as far as possible, qualifications, adapting him to a certain kind of work. What that work is, and what qualities it calls for is also clearly de-fined and well known, but all this is radically different in the case of the general purpose horse. As local conditions vary, so does

radically different in the case of the general purpose horse.

As local conditions vary, so does the nature of the "general work" around the farm. In a district where mainly light harness horses are raised the general farm work will usually mean all the heavy labor of the farm, with little road work, for which lighter animals will be on hand, and more suitable. On the other hand, there will always be found in such districts animals, either overgrown specifically and the suitable of the sui

general purpose class.

Here we have two distinct classes of general purpose horses, each with claims that are equally strong, for if the breeder of draught horses says that he finds the light and active Clyde or Shire bred animal good enough to do his driving, the champion of the lighter race will reply that he does all the heaviest labor on the contract of the c

able for the labors of the average Ontario farm, alone to be considered, some modification of these would, without doubt, supersede either of the extremes in horseflesh; but, as is the case with most breeders, the horse must be one that will not only do the farm work, but be one that of the case with most breeders, the case with most breeders, the horse must be one that will not only do the farm work, but be one that of the case with most breeders, the case with the world's great markets for the general purpose horse are very nearly a thing of the past.

A few years back the cities of England wanted a bus horse, and Canada supplied them. Just now the railroad construction in the West creates a temporary demand, in a country that will soon be shipping all kinds of horses itself. Our own cities, always a ready market for a good heavy draught, or a good light horse, now have no use for either small draught horses of overgrown light harness and market for them, or for any horse of the general purpose type, why attempt to encourage the breeding of such horses, either by typifying, by giving a too prominent place at shows or in any other way. It would seem rather premature to cut the class entirely out of the showing, as this class brings out, in many places at least, some very interesting exhibits, and seldom is a class of general purpose horses shown but it includes a few mares who, bred to a good heavy draught stallion with lots of subpose norses show but it includes a few mares who, bred to a good heavy draught stallion with lots of sub-stance, would prove profitable as the dam of real drafters of the right stamp and quality to sell well in the city to work there and last for years. At the same time there are to be seen equally often mares of the other stamp equally often mares of the other stamp that when bred to a Thoroughbred, or even a pony Hackney would produce ideal saddlers or high-steppers. While this is the case, it is impossible to ignore the medium sized horses of Canada and do full duty to the plea of the good horse, but all attempts to typify the class leads directly to the question of how the general purpose horse should be bred, while as a matter of today's agricultural economy, he should not be bred at all, unless it be with an eye to in the end produce an animal that will class with either or some one of the breeds of a marketable typification.

Supplying the Farmer With Help

Supplying the Farmer With Help
There is no busier man in Toronto
these days than Mr. Thomas Southworth, Director of Colonization for
Ontario. In addition to the exacting
duties connected with placing settlers
in New Ontario and in directing the
forestry work of the Crown Lands
Department, Mr. Southworth is endeavoring to the best of his ability to
supply the farmers of Ontario with
This in itself is no easy task and
might well claim one person's whole
time. Over five thousand applications
for farm laborers have been received
this spring. this spring.

To satisfy each of these five thousand applicants is, perhaps a superhuman task. The defining the same than th To satisfy each of these five thou-

include many men hired at the station by farmers directly upon their arrival.

There is a larger proportion of experienced farmers this year among the arrivals. Those see a mostly from Sociland. A large proportion of the arrivals, though inexperienced, express a desire to work on farms, and arrivals, though inexperienced, express a desire to work on farms, and arrivals, though inexperienced, express a desire to work on farms, and arrivals, though inexperienced, express a desire to work and arrivals. The should be a supported to the properties of the support of the suppo

a second house on the farm for a mar-ried man, and those who have, are not the ones who are looking for help, as they keep the men they have for a looking of the farm help problem depends in no small degree upon the period for which men are employed. When only an eight months' agreement is made, the far-mer is compelled to look for help every spring. Last year, perhaps a thousand or two farm laborers from the Old Country were placed upon farms for a six or eight months' en-gagement. As soon as their time was up these left for other places, and the farmer has to seek new help this spring. Had these been engaged for

the winter as well as the summer, they would have been on hand this spring. Besides, the training received would make them more valuable this season. As it is now, the farmer, who had the trouble of breaking in these had the trouble of breaking in the state of the season of the sea help from the dairy sections than from the others. In these the men have work all the year round and conse-quently there are fewer changes. The largest demand comes from the fruit largest demand comes from the fruit sections, where only summer and fall work is required. From many of the live stock sections there is a large de-mand for help, presumably to help put in the crop and take off the harvest, as the herdsman is usually engaged by the year. When he can possibly ar-range it, every farmer requiring help range it, every farmer requiring help should make a yearly engagement and retain his help longer.

Ontario Crop Conditions

The crop report of the Ontario Department of Agriculture up to May 16th, shows that though the past winter has proven one of the most disastrous for fall wheat in the history of the province, under the good growing weather of May many fields are mak weather of May many fields are making, an encouraging recovery. Last fall's report regarding fall wheat was very favorable. There was good growth, the Hessian fly did comparatively little damage and the crop entered the winter full of promise. But the winter and late spring were disastrous and the loss from winter killing ranges from 20 to from winter killing ranges from 20 to from the winter form 20 to from the winter will be asset on the winter will be asset on the winter will be a set of the will b ing ranges from 20 to 90 per cent. On ing ranges from 20 to 50 per cent. On the slopes or rolling lands and on fields well protected a few good yields may be recorded but on the whole the heids well protected a twe good years may be recorded but on the whole the fall wheat fields when the snows went off were very patchy-looking. The greatest damage was sustained in the Lake Eric counties. Next in order of injury reported come the Lake Huron and West Middlesex groups, the Georgian Bay and Lake Ontario groups. During May many of the fields have made an encouraging recovery. A made an encouraging recovery. A considerable portion of the fall wheat area will be resown to oats and bar-

ley and other spring grains for feed.

The winter rye acreage is small and suffered considerably from winter-killing. Clover suffered considerably. In Eastern Ontario the crop is reported fair to good, and in the West from good to poor. The May rains have

good to poor. The May rains have given it a good start. Little seeding was done in April this year. But carly May was good seed-ing weather and seeding was pushed forward rapidly and pretty well com-pleted by the middle of the month. A normal acreage was sown. Considering the severe weather, live

stock came through the winter in

good condition. The general health of horses is reported good, though distemper and broncho itch were re-ported in a few places. Horses are in demand. The greatest loss in catin demand. The greatest 1988 in cat-tle has been among early calves. Sheep are reported in fair condition, though lambing has not been alto-gether satisfactory. Swine have done gether satisfactory. Swife have done well, though owing to cold and dampness many became crippled and young pigs frequently died. But on the whole, swine turned out well.

Owing to the need of longer feed-Owing to the need of longer feed-ing there is less hay and grain on hand than usual. However, if prices were good a considerable supply of these would be marketed. Most of the fat cattle have been sold, but a good number of store cattle are available in some localities.

available in some localities.

Fruit trees have been greatly injured by mice. The injury from frost was not as great as was at one time expected. Fruit trees are about ten days late in blossoming. Raspberries and strawberries were badly winter-killed in places.

Progress Towards Good Roads

Slowly but surely, permanent road improvement is forging ahead in this province. Five counties, Sincoe, Lanark, Wentworth, Wellington and Hastings, have taken up the government's road improvement scheme and are workroad improvement scheme and are working along lines laid down by the act
regulating this work. The government
scheme involves the taking over or the
designation, of certain roads in each
county as leading roads. These are
selected chiefly because they lead to
the chief market towns of the district, and provide the most direct routes to all parts of the county. When the roads all parts of the county. When the roads are selected, road improvement is be-gun on a permanent and modern plan. Improved machinery is used in grading. The roads are finished off with gravel or broken stone. In Wentworth, the county owns a complete roadmaking outfit. Crushed stone is used chiefly, and the county has a quarry of its own with an up-to-date stone crusher. The roads are inspected by government experts, under the direction of the Good Roads Commissioner, before any government funds are paid over to the county. This inspection insures permanency and uniformity in the work done. The work has been hampered in many places by the scarcity of labor.

many places by the scarcity of labor.

In the townships, where the county system is in force, there is plenty of work yet to be done. The statute labor or commuted labor on the roads taken over by the county is utilized on the other roads. This gaves the township the same resources it formerly had, while it has less mileage of roads to look after.

One hundred and fifty townships have either wholly or in part adopted what is known as the commutation system of utilizing the statute labor. Instead his labor is commuted at so much per day. This amount goes into the general day. This amount goes into the general towship fund for road improvement and is utilized by township officials in repairing roads and in permanent im-provement. The searcity of farm help has influenced the extension of this

system in late years very much. It does not pay the farmer to put his expensive help to doing roadwork when he can get his statute labor commuted for a nominal sum. The burden is then thrown upon the township to get help to zeep the roads in repair and to carry on the work of improvement. Here as labor is a drawback to successful work. One effect of the changes that are taking place in plars for road improvement is that it secures more permanent and better equipped highways. The instruc-

is that it secures more permanent and better equipped highways. The instruc-tions sent out by the Good Roads Com-missioner, emphasize the need of build-ing roads for the future. Of course, a certain amount of labor and money has

certain amount of labor and money has to be utilized every year in keeping the roads in repair. But as more permanent and better roads are built this amount will gradually grow smaller.

Good roads are essential to a country's development and progress, and there should be no hesitation on the part of every farmer in supporting plans for bringing them about bringing them about.

EXPERIMENTING WITH CALVES

Agricultural stations and agricultural colleges are continually sending out reports of experiments that have been conducted for the purpose of determining how best to raise calves without the use of whole milk. All are agreed that butter fat is too valuable to be fed to calves. In these experiments it salways taken for granted that some fat containing substance must be added to the skim-milk to must be added to the skim-milk to added to the skim-milk of the properties of the skim-milk to the properties are conducted along that line. This is a mistake to begin with. Oilcake meal and all fat containing substances are difficult to digest. Skim milk is difficult to digest. Skim milk is difficult to digest, in fact that is its only fault as a food gest. Skim milk is difficult to digest, in fact that is its only fault as a food for calves. Is it reasonable then to add indigestible substances to that which is already indigestible in order to make it digestible? Scours and to make it digestible? Scours and constipation are alike caused by indigestion, and oilcake meal and other gestion, and olicake meal and other fat-containing substances only add to the difficulty, the true solution of which is in the use of something of an aromatic nature that will enable the calf to thoroughly assimilate and digest the skim-milk.

Herbageum will do this. It is purely aromatic, and we give below some reports that amply prove the statement. These reports are not from college students nor professors, who are prejudiced against all things, ex-

are preindired against all things, except their own theories, but they are from men who make a living from the rearing and feeding of stock.

Messrs. Belyea Bros., of Oakville, Ont., report as follows: "We have thoroughly tested Herbageum. We feed it with skim-milk to calves and they do better on that feed than we ever had calves do on new milk. It prevents all scouring."

The province of Kirkwall, writes as follows: "I used Herbageum for my calves during the last year with separated milk and they did first rate, in fact I had better results than previously with olicake meal, and at less cost and with less trouble."

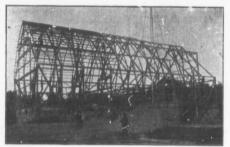
AMB FENCE AND GATES

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Please Mention The Farming World when writing Advertisers



View of barn during course of erection on farm of Hon. John Dryden, Brooklin, Ont. This shows part ready for corrugated roofing, part with rafters on and part without rafters. We hope to have a view of building completed for a later issue.

Modern Barn Building

Space Economized—Convenience Secured and Comfort of Stock Provided for

A good up-to-date barn and stable is a necessity on every Canadian farm. The long winters and the six or seven months of stable feeding required make good, warm, comfortable quarters for live stock indispensable to success in animal husbandry. More than this, the scarcity of farm labor makes it necessary that every convenience possible should be provided in order to facilitate the caring for and the feeding of live stock with the least expenditure of time and labor. The modern up-to-date stable has, therefore, an important place to fill on every farm, especially in the older parts of Carada, where mixed farming has become a necessity.

The accompanying illustration and plans are those of a new harm and stables erected by the Hon. John Dryden, Mimister of Agriculture for Ontario, on his farm near Brooklyn. The barn is built on the most up-to-date plan, and no expense has been spared to make it fulfil the purpose the designer had in view. The barn is commodious, and the stables are planned so as to utilize all possible space. No heavy timber all possible space. No heavy timber all possible space. No heavy timber expensive, and makes as 1-m and secure a structure as the old-time frame. No raising bee is necessary in order to put the frame in place. It is built bit by bit,

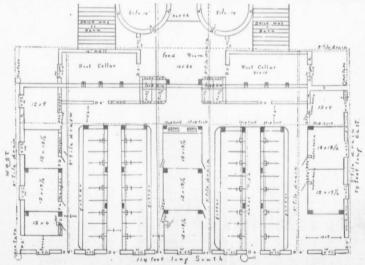
each addition to the structure being made secure as it is put in place. Mr. Dryden employed a toreman, and engaged men to work by the day, in erecting the structure. This plan worked well, and enabled him to have direct control of the material put into the building, and of the work as it went along.

control of the material put into the building, and of the work as it went along.

The plan of the stables shown here-with leaves little further to be explained. The entire floor space is cement, with the exception of two or three stalls, which are laid with gravel and sand well tamped down. The four rows of cattle stalls are laid with gravel and sand well tamped down. The four rows of cattle stalls are laid with gravel and sand well tamped down. The four rows of cattle stalls are laid with gravel and sand well tamped down. The box stall partitions of the cattle stalls are laid with gravel and the stall stall the bottom. A perfect water system extends throughout the whole building the water being pumped across the barn to a tank placed between the two silos. Near the top, a pipe from the tank comes across the feed room, and connects with the two small tanks shown in the plan, with a float in each. A float is also placed in the tank, and also an indicator to tell the amount of water in the tank. Six rows of drains extend across the building, the outlet being ten feet from the sould wall, the whole length of the stall, and also an indicator to tell the amount of water in the tank. It is made of stone and gravel laid with cement. The root cellars are part out and part under the barn, and are each 14 x 31 feet. The three squares in the root cellars, shown in the plan, are cement pillars soft of the same purpose. The feed room is 16 x 24 feet. In it are two feed bins, and it is used for pulping turnips, cutting green corn, and a feed-mixing room generally.

The two silos are 14 x 30 feet inside measurement, and are subilt of cement.

The two silos are 14 x 30 feet inside measurement, and are built of cement. They are so placed that the silage can be thrown directly into the feed room through the door, D, which extends



Plan of stables under Mr. Dryden's new barn at Maple Shade Farm.



Diagram showing plan on which bent of plank frame barn is built.

from the bottom to within tan feet of the top of the silo. The silos are roof-ed over, and covered with Pedlars metal shingles. A Toronto windmill is built over the feed room, the two north posts being built into the silo walls, while the south posts rest upon the barn wall, but are securely fastened. The barn walls are 12 feet high. On these the frame is built. The west, north and east 12 inches thick, and the inside root cel-lar walls 9 inches thick.

lar walls 9 inches thick.

The small plan cut shows how the bents are put together, and the structure of the framework.

of plank 2 x 12 inches and 2 x 10 inches, all well nailed and bolted. The raiters are made of boards cut six feet long and 10 inches wide, nailed three-ply together, and rest upon the posts. The posts are twenty feet night. The whole roof is covered with corrugated steel sheeting, 8 feet long by 33 inches wide, only 2 x 2 inches provided the post are twenty feet night, and inches wide, only 2 x 3 inches wide, only 2 x 3 inches wide, only 2 x 3 inches wide companying diagrams, no cross beams or planks are used, thus giving an open spece clean through the barn.

The granagies are located in the wide.

The granaries are located in the mid-e of the barn on the south side. The granaries are located in the mid-dle of the barn on the south side, and extend from drive floor to drive floor. The north half, from floor to floor, is reserved for storing bran, oats, the fanning mill, grinder, etc. The grinder is placed over the west feed bin, with a hole in the floor for the chop to fall through. This half of the floor is boarded over level with the top of the granaries. of the granaries.

The barn is 54 feet wide, 114 feet long and 45 feet high, not including the walls. The windmill rises to a height of 75 feet, thus giving plenty of power for all purposes

Dipping Sheep

Dipping sheep is now recognized as an essential part of every sheep owner's duties. Without it he cannot hope to have a flock that is free from scab, ticks, etc. Successful sheep raisers to-day practice dipping with as much regulerly as shearing. They do it as a secure increased growth in both carcase and fleece.

It pays to dip sheep. To get the best of results it should be done twice a year, in the spring and also in the fall. For a small flock, up to one hundred, a small dipping vat may be used. When small dipping vat may be used. When larger numbers are kept a swimming vat may be necessary, though, as a rule, better results will follow hand dipping than when the sheep are made to swim through a vat. For seah, the dipping should not be hurried too much, and the work should be done as carefully as possible. The regular commercial sheep dips, if used according to directions, will give good satisfaction. A small investment in this every year will pay every sheep raiser.

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5% AND 5½% GILT EDGE FIRST MORTGAGE We have a number of first class Mortgages on hand. Send for particulars.

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67 Esplanade Street, Toronto, Canada



Care of Horses' Shoulders

Many a farmer has trouble when warm heather comes with the horses' shoulders. The following advice on this point from "The Harness Ga-zette," is timely:

"It is not easy to obviate the ef-fect of sudden and hard work on ten-der shoulders, and as all these horses cannot be worked one-half day at a tane until their shoulders harden. Many will become sore under hard collars; many under sweat pads, then Many will become sore under hard collars; many under sweat pads, then holes will be cut in parts over the sore places, the hard collars on some will be removed, and larger ones with pads and holes will be substituted; some wil receive applications of axle grease, and continue their work with the collars will be cleaned each night, more will not; a few fortunate ones will have their collars removed at noon and cleaned, and instead of softening axle grease will have their shoulders (whether sore or not), washed with an astringent, such as a solution of neo ounce of tannie acid dissolved in a quart of water; this will be repeated at night for a short time and will recume per day. The shoulders so treat ed will not become so the collars of the shoulders and the solution of the shoulders are as raw as their patience and willingness are great." and willingness are great.

Squiblets About Piglets

Under the above caption an ingenious American has compiled the following pertinent paragraphs on raising young

pigs: Young pigs cannot thrive on raw meal

Young pigs cannot thrive on raw meal ration.

With plenty of milk the piglets are well provided for. With milk scarce, it may be extended by adding to it a porridge.

Early pigs will escape some of the diseases that belong to hot weather and attack the late pigs. The earlier ones call merely for thorough protection from severe cold snaps.

The piglet kept clean and louseless from birth is the one that soonest reaches the market size, or is the one that is best for breeding.

The invalid piglet is mighty poor property for the commercial swine-grower.

When your sow dines off her piglet, When your sow dines on her pigies, she is notifying you that you have been feeding her unbalanced rations. Take her warning and change her rations. This means that you need to know considerable of the scientific side of your

work.

The piglets will do well or ill accordingly as you care for them properly or improperly.

Clean pens, good pigs.

Dirty pens, sick pigs. Sunlight, healthy pigs. Wrong rations, slow-growing pigs and ostly pork.
Right rations, quick-growing pigs and

cheap pork.

The filthy pig mirrors its owner.

Too much sweet food nauscates the piglet. The swine stomach naturally calls for sourish feeds, such as apples

calls for sourish feeds, such as apples and sour milk.

Pigs will eat themselves to death on certain rations. Pigs will insist on be-ing very much like humans.

The sow about to farrow should not be permitted to take milk of the first milking from a cow that has just calved. The colostrum milk of the cow is generally fatal to the sow ready to farrow.

The pig is unfortunate when it falls into the hands of a know-nothing who knows it all.

Correspondence

The Bacon Hog the Staple Industry Editor THE FARMING WORLD:

Editor The Farming Words:
Spring's work was not generally begun in this county until May and, since then it has gone on continually and the second with the second was also as the second with the second with

counts will average half a crop. Clover suffered in the same way but the extent of injury was a great deal less.

Stock wintered only fairly well, the severe winter was probably the cause. Feed is not very plentiful, the opportunity of the property of th

CANUCK, Prince Edward Co., Ont.

Fall Wheat Badly Killed Out

Fall Wheat Badly Killed Out Editor The Frammo Words:
Spring has been late here. Seeding is about finished. A very large acreage was sown. Fall wheat, clover, and the older meadows were all killed with the ice last winter. One farmer sowed go acres to fall wheat last fall. It was a seed to be a seed of the seed of the

MICHAEL BAKER, Elgin Co., Ont.

A Definition of a No. 2 Apple Editor THE FARMING WORLD:

The committee appointed by the American Apple Growers' Congress last season recommended as a definition of a No. 2 apple the following:

"Number Two apples may be ½ congress to the apple affected by delacement of surface, by scab, dry rot, worms or other defects, shall be hand-picked from the trees, and not bruised or skin oroken, shall be of a bright and normal color and shapely formed."

This definition of a No. 2 apple is of the very greatest interests to the cection of the Porter We have in a definition of No. 1 fruit that is in every respect satisfactory, and there is a constant demand for a definition of a No. 2; but the difficulty is that language appears to be hardly definite only on the property of t

allowance—say 5 to 10 per cent.—for the inevitable errors that come in rapid work by the class of help that must be employed in packing fruit.

APPLE SHIPPER.

Investigation of Soils

Investigation of Soils

Editor THE FRANING WORD:
Under the above heading Mr. De
Coriolis has an interesting paper on
page 38 of the recently issued annual
report of the Ontario Agricultural College. He gives the result of the application of potash and nitrifying germs
in garden soil to a soil deficient in potash but rich in organic nitrogen, as all
black, mucky soils are.

The oats were sawn in flower over

The oats were sown in flower pots and the photograph is shown when we would judge that the plants would be between five and eight inches high, and the rather hasty conclusion is drawn that the soil needed nitrifying germs more than potash, when it is very prob-

able that they were both equally re-

quired.

As a practical farmer I would be much interested in studying the effect of the above management upon plots of not less than one-tenth of an acre, and allowed to ripen in the open air.

If the oats on a plot deficient in pot-

ash but rich in nitrogen, to which nitri-fying germs have been added do not go down and lodge on account of the rank, soft, sappy growth, it will be a revelation indeed to those familiar with such soils

such soils.

It would also be interesting to know
the result of the addition of an application of potash along with nitrifying
germs to the above mentioned soil. We
would naturally suppose that the potash would supply this deficiency the
mitrying germs would liberate available
nitrogen which, if there were sufficient
would exper any one of the soil of the
would expert in the soil, we
perform the otherwise almost worthless
piece of land. from the otl

piece of land.

During the past year I have had the opportunity of seeing the results of experimental work both at the stations and also by the farmers on a large scale, in the black soils of Indiana, Illinois, and Wisconsin, and all, without exception, attest the value of potash on such pairing houses and phosphate rock ferment by the property of the property of the property of the farmers to keep continually in the property of the farmers to keep continually in the property of the farmers to keep continually in the property of the farmers to keep continually in the property of the farmers to keep continually in the property of the farmers to keep continually in the property of the farmers to keep continually in the property of the farmers to keep continually in the property of the farmers to keep continually in the property of the farmers to keep continually in the property of the farmers to keep continually in the property of the farmers to keep continually in the property of the farmers to keep continually in the property of the farmers of the property of the farme

much against their will, by use demand of the farmers to keep continually increasing the percentage of translation of the farmers to keep the factor of the

But it is not necessary for the farmers who have unproductive peaty soils to wait for the college. Let them read the advice given on page 42, some reports on soils and fertilizers, and experiment for themselves. For the nitri-tying germs can easily be obtained as explained in report by scattering some rich garden soil over the plot and the potash can be obtained from any fertilizer dealer at a reasonable rate.

G. F. MARSH, Grey Co., Ont.

Wants Ontario Pure-Bred Stock

Wants Ontario Pure-Bred Stock
Mr. W. J. Palmer, Director of Agriculture, Orange River Colon in an electer to the editor of The Powners, and the Colon of Canage River Colon in a letter to the editor of The Powners, and the Colon of The Powners, and the Colon of The Powners, and the Colon of The Colon of Colon of the Colon of the

Iced Cars for Butter

Iced cars for the carriage of butter to Montreal began running on the C. P.R. and G.T.R. on May 16th, and will continue till the end of the season. Creamery men should take advantage Creamery men should take advantage of this service to get their product to the seaboard. The butter should be cooled to at least 40 degrees before being put on the cars. No cheese will be taken on these special iced butter cars. The cars will leave central points on the railways on regular days each week.

Salting Cows

A thing that is sometimes lost sight of under pressure of other work is that of salting the cows. However, carclessness in this regard may be a rather expensive oversight. At the Mississippi Experiment Station three cows were kept without salt for four weeks and their milk record kept dur-ing the last two weeks of this period; ing the last two weeks of this period; then they were given the usual allowance of salt for two weeks, and on comparing the milk records it was found that the cows gave 454 pounds of milk during the first period when salt was withheld and 364 pounds during the second period when salt was turnished, a difference of 110 pounds of milk in two weeks in favor of salt-

Watch the Separator

Watch the Separator
Too many operators take it for
granted that their arrators are dogranted that their arrators are doto the state of the state

Sterilization of Milk Cans

Sterilization of Milk Cans
An interesting test of the effect of cleaning milk cans and making them germ free before milk is poured into hem by the use of hot steam has been made in Germany. Some time during the hot summer time two milk cans were selected for the test of the steam of the control of the steam of the control of the steam of the water) the other was sterilized by steam for thirty minutes. In the first the milk went sour in twenty-three hours; in the second in twenty-three hours; in the second in twenty-three hours; in the second in twenty-three hours; in the The same experiment repeated milk the other. The same experiment repeated milk the second in longer than the other. Milk that has been deprived of most of its germs by pasteurization will remain sweet in cans thoroughly sterilized by steam for about twice as long as if put into cans cleaned in the ordinary way.

Butter from Unripened Cream

Butter from Unripened Cream

Butter from Unripened Cream
At the O.A.C. Dairy School, two
lots of butter were made from pasteurized cream. One of these was
cooled immediately after separating,
culture was added and it was churried
at once. The score for flavor was
42 out of 45. The other lot was ripered in the usual way, and scored 41.5
for flavor. It was another illustration of the practicability of omitting
the ordinary process of cream ripening and yet securing good flavor.

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nave machine-cut gears turning on ball bearings which run under oil. The have no worm threads or any other coa trivance causing needless The gear wheels are of high-grade steel, permitting reduction in their size and weight. The suspension of the separator bowl from the spindle is a decided and most important improvement on the old-fashioned plan, in ed on top of one or more in and self-balancheavy worm-thread spin-dles held rigidity i. dles held rigidly in position by two or For close skimm even more bearings.

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ing it is unexcelled.

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Empire Cream Separator

books about the money-making Empli to everybody. They are just comm aguage, plainly printed for busy farm Send for them. They are free for the

Empire Cream Separator Co., 29-30 Wellington St., West, Toronto, Ontario

Three other lots made, one from pasteurized sweet cream, which was after-wards ripened, one from ripe cream pasteurized, and one from unpasteur-ized cream, and scored respectively ized cream, and scored respectively for flavor, 41, 40, and 40 cut of 45. In this case the pasteurization of the cream when swet added one point to flavor and the pasteurization of the cream when ripe did not add any value to the flavor.

Milk to a Finish

As long as you can succeed in get-ting more milk from the udder by any sort of manipulation, the job of milking is not finished. Many far-mers prefer to milk their cows them-selves rather than leave it for care-less help to do. All the milk the cow has, almost to the last drop may be secured by persistent. manipulation has, almost to the last drop may be secured by persistent manipulation of the udder. And the "strippings" are thus secured which are richer in butter fat than the milk that is drawn before them.

butter far execute which are is drawn before them.

An instance illustrating this occurred at a farmers' gathering recently. Persons had been asked to bring samples of milk to be tested. Quite a number brought samples and when the tests were read before the audience it was found that the highest one tested 9 per cent. The man said he forgot to take out a sample while he was milking, but after he had finished milking his one cow (he lived thought of the sample he was to take to be tested. As he had the bottle in his pocket, he went to the cow and stripped her till he got enough for his sample. He thought, no doubt, at the time that he was getting an honest sample, of his cow's milk, but we know that the sample which he secured was perhaps twice as good as the correct sample, of her milk would be. It has been proven that while the first milk drawn may test with the sample of the cow's milk would be that the sample of the cow's milk would be the first milk drawn may test with the sample of the cow's milk would be the first milk drawn may test with the sample of the cow's milk would be the first milk drawn may test would be the first milk drawn may test with the sample of the cow's milk would test over 10 per cent.

The cow owner, who must leave

the cow's mine were cent.

The cow owner, who must leave the job of milking to his hired help, should see that it is perfectly done. Thoroughness in milking is equally as profitable as thoroughness in any other part of the work of the farm.

Temperature and the Keeping Quality of M

H. W. Conn, of the station Experiment Station alletin on this subject, summaring the conclusions as follows:



Photo showing result of Fertilizer Experiments conducted on the farm of I. W. Clarke, Brant Co., Ont. (See description on this page.)

Bean Growing in Ontario

By J. O. LAIRD, Kent Co., Ont.

Not much is known about the bot-Not much is known about the bot-any and history of the bean. It be-longs to the large order leguminosa, and perhaps the most common gen-era are Phaseolus and Faba.

era are Phaseolus and Faba.

Beans were cultivated in the United
States some years before they were
introduced into Canada. Their advent to Canada was in 1855, brought
over by Collins Handy, of Morpeth,
Ontario. He obtained the beans from
a farmer in the State of New York.
Since this time the industry has
grown very rapidly, having become
a very important crop to the farmers
of Kent and Essex.

a very important crop to the fainters of Kent and Essex.

Beans are a profitable crop in many advantages over cereals. For example, they mature earlier, in about ninety to one hundred days. The farmer is crop and the control of the and cattle, as it contains from fourteen to fifteen per cent. of crude proteen and three to six per cent. fat,
both of which are very important in
the growth and fattening of live
stock. We have fed a large quantity
of bean straw to sheep, and have always found that they did exceedingly
well, even with very little grain.
Beans do not take as much plant food
from the soil as cereals, and, after
mellow condition, and with a little
surface cultivation it is ready for
sowing fall wheat. Here, too, we
might mention the fact that bean
picking gives employment to a large
number of poor women and girls,
who would otherwise not be able to
earn a good livelihood. They make
from fifty cents to one dollar per day.
Beans will not grow over a very
wide area of the Province of Ontario. Their cultivation is restricted
to the production of beans in
Ontario, or even in Canada.

KIND OF SOIL REQUERED.

Beans grow best on a well drained.

KIND OF SOIL REQUIRED

Beans grow best on a well drained clay or sandy loam. As to the crop that should precede the beans, we would recommend clover. Clover is not hard on the soil, and when turn-

de under it supplies a good amount of humus to the soil as well as increases the soluble introgen in the soil.

The proper preparation of the soil is an essential part in the successful production of a good crop. Therefore, it is necessary that the land should be in a good state of tilth, also that proper fertilizers be applied. The clover sod should be plowed about five inches deep early in the fall, then rolled to start the capillary action, and afterwards harrow to fall, then rolled to start the capillary action, and afterwards harrow to prevent excessive evaporation. Of course, it is sometimes impossible to get all the bean ground plowed in the fall. In that case spring plowing will have to be resorted to. The manure is then applied; do it before plowing. After the sod has been left in this state for about six weeks it will be thoroughly decomposed, and may be cultivated either way without tearing up large pieces of sod, about tearing up large pieces of sod, about tearing up large pieces of sod, about eighteen tons per aere of farm-yard manure, which is a general fertilizer, as it contains the three principal elements necessary for plant growth, viz: nitrogen, potash and phosphoric acid. If it is impossible to apply farm-yard manure, use phosphoratic manures, the amount depending upon the fertility of the soil. Phosphoric acid, although found to some extent in all soils, is more likely to become exhausted than the other two elements, as it goes largely to the growth and ripening of the grain and phosphoric acid, as a consequence of this, will become deficient in the soil. The two remaining elements of plant growth mentioned are usually in sufficient quantity in the soil. Beans beaction, and afterwards harrow to prevent excessive evaporation. Of The two remaining elements of plant growth mentioned are usually in sufficient quantity in the soil. Beans being a legominous crop, have associated with them certain bacteria which in their process of growth change free nitrogen to a soluble form, which can be made use of by the plant in its growth. In this way the most costly of the three elements is supplied. Fotash goes largely to the action of the control of the contro

After the manure is applied in the fall the ground should be ribbed up, and left this way over winter. As and left this way over winter. As early in the spring as it is sufficiently dry the land should be worked down to a fine state of tilth, and kept fre-quently stirred till the beginning of June. The beans may be planted from the first to the twelfth of this worth. VARIETIES GROWN

The two varieties most largely grown are the Dwarf Pea and medium field beans. These are both small, white beans, the Medium being about half an inch long by a quarter of an inch thick, while the Dwarf Pea beans are somewhat smaller and more nearly round than the Mediums.

In selecting beans for seed one must be careful to get proper seed, as beans that are more than two years old cannot be relied upon to

Beans are planted with a two-horse Beans are planted with a two-horse planter, in rows twenty-eight inches apart, each hill of beans being about six inches apart in the row. Some, however, of late years, have used the seed drill by letting every third tube run. This way, of course, does not plant them in hills, but it has been found very satisfactory.

found very satisfactory.

Beans germinate very quickly on suitable soil. In about a week after planting the young plant will appear above ground. When but a few inches high cultivation should begin. The cultivation consists in using a two-horse sculifer about every ten days horse sculier about every ten days and sold be cultivated after. It had should be cultivated after, the shower, in order to break any hard land should be cultivated after each shower, in order to break any hard crust that may be formed. It is a good plan to go through the beans two or three times with the weeder. If this is done, sometimes it is not necessary to hoe them. But as a general rule it is best to go through the crop at least once with the hoe. The beans come into bloom about cultivation stert this time is injurious, because the blossoms are very easily knocked off. knocked off.

The Yield from Commercial Fertilizers

Last summer I experimented with commercial fertilizers on barley. Three plats of one-third care each were arranged side by side. No. I was sown one week before seeding with 200 lbs. of acid phosphate. No. 2 plat was sown at the same time with 100 lbs. each of acid phosphate and muriate of potash mixed. Both plats were sown, after the grain was two inches high, with 00 lbs. not fertilized at all. The soil was clay loam on an elevation in the middle of an eleven acre field. an eleven acre field.

The whole field was seeded at the same time with barley and the same work put upon it as on the plats. The results are as follows: Plat No. I work put upon it as on the plats. The results are as follows: Plat No. 1 yielded at the rate of 80 bushels per acre; plat No. 2 at the rate of 60 bushels per acre; and plat No. 3 with no fertilizer at the rate of 30 bushels per acre. The plats fertilized were out in head fully one week earlier than the unfertilized one week earlier than the unfertilized part, which is quite marked in the accompanying photograph.

J. W. CLARKE, Brant Co., Ont. 38

Road Instructor for Nova Scotia

Road Instructor for Nova Scotia
Mr. C. R. Coutlee, of Aylmer, Que,
has been appointed good roads' instructor for the Province of Nova
Scotia. Mr. Coutlee received his early
education and training at the Royal
Military College, Kingston. Since
graduation he has been employed on
important works from Montreal to
Vancouver, and is now proceed. It is
member of the Canadian Society of
Engineers and is regarded as an expert on highway construction.

Nature about the Farm

Migration-Aphids-Slugs-Gophers, and Ground Squirrels

EDITED BY C. W. NASH

BIRD LIFE

The season of spring migration is nearly over, but as yet birds are not abundant, some few of the hardy species are as well represented as usual, but the warblers, lly-catchers, wrens and vireos, which comprise some of our most valuable insect destroyers, our most valuable insect destroyers, are remarkably scarce, they may, however be only delayed by the unfavorable weather we have had, in which case they will come with a rush when conditions improve. It is possible, though, that the severe cold of the past winter may have extended to the Gulf states and that many birds perished by reason of it. The cold waves which sometimes reach these southern states where the birds are wintern states where the birds are wintern which sometimes reach these south-ern states where the birds are winter-ing, destroy thousands of them and create a scarcity of the species affect-ed, which lasts for several years. A case in point is that of the Bluebird, case in point is that of the Bluebrd, which some years ago was so reduced in numbers, that its scarcity was remarked all over its usual range. This scarcity was caused by a severe and prolonged cold wave which swept across the southern states and killed hundreds of thousands of birds, the Bluebirds being among the chief sufferers. Fortunately they were saved from complete extermination and have largely increased considerably, so that if they do not receive another set-back we may hope to see them again established on every farm in the coun-

The loss of bird life during the migrations is enormous, not only are
vast numbers destroyed by such did
cold, but millions are the life of the
ing themselve against lightnoses
and ingest lightnoses
by fog or and the nor and the
lighthouses present an irresistible attraction, and the unfortunates dash
against the glass, only to fall dead on
the gallery, or flutter, stunned and
helpless into the water below. The
strings of telegraph wires, too, are responsible for the death of a great
many. These things, combined with
human cruelty and carelessness, readityl account for the continued scarcity
of valuable bird life.

INSECT LIFE The loss of bird life during the mi-

INSECT LIFE

of valuable bird life.

The awakening of insect and plant life in Canada is one of the most interesting phenomena that nature presents. The change from the death-like sleep of winter, to the forceful activity of spring, is so rapid and complete that the process is difficult to follow and harder still to realize. But little more than a month ago, we were struggling with snow drifts and the earth was ice bound: today that the earth was ice bound: today the trees are out in leaf, the Trilliums, Violets, Marsh Buttercups, and scores of other wild flowers are in full blossom and insects are moving everywhere. On the 10th of May I examined the opening buds on some of my trees and to my surprise found well developed aphids (plant lice) on a good many of them, some being baddy at the day of the day o

the leaves had curled it would not be altogether effective then.

the leaves had curled it would not be altogether effective then.

I have strong hope that we shall of the seriously roubled by insect pests the seriously roubled by insect pests the seriously for the seriously and the seriously altogether very early and the seriously altogether very end of the seriously lightly scattering lime, salt or wood ashes over the ground just at dark when the slugs are moving out to feed, or large numbers may be trapped by laghtly scattering lime, salt or wood ashes over the ground just at dark when the slugs are moving out to feed, or large numbers may be trapped by laging shingles upon the ground frequented by them. They will take retuge under these shingles at daylight and may then be captured.

As yet have not seen very many of the cut worms; this may be alto the cut worms; this may be alto the cut worms; this may be altogether the serious of the serious serious detailed and the se

add just enough water to this mixand just enough water to this mix-ture to make a moist mash (not wet) and distribute it in small lots (about a tablespoonful in each) along the rows in the garden or field. Be care-ful not to put it where poultry or stock can get it, or there will be trou-blek

CORRESPONDENCE

CORRESPONDENCE

J. L. H., Ancester.—C.: Will the plant called the Furple L.dy's Slipper grow under the grow index of the should it be transplanted. Ans.—All the plants known as Lady's Slippers (Genus Cypripedium) may be readily grown under cultivation either as house plants or in the open garden. I have tried nearly all the species both ways and have been successful with them. The one you refer to the propose, the Showy belief, which used to be abundant in your country. The plants should be taken up when they are in full blossom, which, in Wentworth, will be towards the end of June. They require a soil rich in humus, but are not particular as to aspect. particular as to aspect.

particular as to aspect.

Mrs. J.W.G., Grand Forks, B.C., writes:

"The workings of the little animal that tunnels along underground and does not show itself outside of its runs, seems to be paralyzed, so I suppose the poisoned wheat has destroyed it, but the gray ground Squirrel is sitting up beside his hole in the ground and chirping as loudly as ever in spite of all the meals I have set be-

(Continued on page 438.)

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What is a true rest? Not idleness, but peace of mind. To rest from sin, from sorrow, from fear, from doubt, from care; this is true rest. Above all to rest from the worst weariness of allknowing one's duty and yet not being able to do it. Perfect rest, in perfect work; that surely is the rest of blessed spirits, till the final consummation of all things. -C. Kingsley.

The Song of the Birds

The song of the birds this morning Awakened my dreaming eyes; The song as I listened filled me And thrilled me with glad surprise— The "Tweet, tweet;" Oh, isn't it sweet! The song of the birds in springtime!

It carries me back to childhood,
When, blithe as the robin's song,
I played in the nearby wildwood—
Those days were ever so long!
The "Tweet, tweet, tweet!"
Was ever so sweet,
The song of the birds in springtime!

Oh, everything's new in springtime! And everything's young—save those
Who travel the long, long pathway
That ever to old age goes;
Yet "Tweet, tweet, tweet!"
Sounds just as sweet
As it did in the far-off springtime.

Then what is the use of sighing? If one has the heart of spring, There's nothing to fear in dying, That ever new life does bring.

O heart, keep sweet,
As "Tweet, tweet, tweet!"
The birds sing out in the springtime.

38 The Flowers of the Field By M. E. G.

In the present season when we are In the present season when we are devoting so much of our time to the care of the gardens and cultivation of flowers, it is important that we should "consider the lilies of the field" and the woods. We have the mistaken idea that man is all important

and the woods. We have the mistaken idea that man is all important in this world and that everything was created for his use and pleasure. If this were so very ewe wild a substantial grow, blossom and die each year without being seen by human eye. It might be easy to "consider the blies" which grow indoors, and we must "consider the blies" which grow indoors, and we must "consider the liles" of our flower gardens. And, if we are so unfortunate as to occupy a back seat in church on Sunday, we can scarcely help considering the liles, the artificial flowers, of the milliner. All these have their beauties, but there is no greater pleasure in this line than to go to the fields and woods and to copgo to the fields and woods and to con-sider the wild flowers. Each month, yes, each week and almost each day, of summer brings a fresh blossom or

of summer orings a treat blossom of foliage to our notice. We might spend days studying mosses. There are many varieties each one growing more beautiful as we learn more of it. Shakespeare has

said there are "tongues in trees, sermons in stones, books in the running brooks, and good in everything." These

brooks, and good in everything." These mosses frequently resemble trees in miniature. Though we do not know their Latin names, nor even their every day name, it is a pleasure to know them by sight, and where they may be found.

It is not necessary now to mention It is not necessary necessar known, we would probably send here for seed and propagate it in our gardens or in flower pots. Perhaps everyone does not know that its leaves are useful in early salads, and that its flowers give the lovely tint to our type butter.

flowers give the lovely tint to our June butter.

Another flower which is familiar to all is the wild violet, but when you see it growing to larger size and in greater profusion in some deep wood, you prize it more. Besides this violet there is a pretty yellow one, the Johnnie-jump-Up, and there is also a pale tinted violet with white upper surface, which is also sweet seented and can be found nearly all through and can be found nearly all through can be supported by the seen of th

the root, which root emits a spicy odor equal to the ginger of the drug

I have heard the lady's slipper, or moccasin plant, grows in this province, though I have never found it. Another beautiful flower which is not vince, though I have never found it. Another beautiful flower which is not very useful in a bouquet owing to its short stem, is the waxy, creamy white flower of the May apple, or mandrake. Then there are the many blooms of the wild fruit trees and berry bushes. The many plants which grow in or near water, the most beautiful of these being the white water wild of these being the white water to a pond of those early useful of the series of the work of the series of the series

Now, you say, it is all right to talk of these things, but how can the busy housewife go to the woods and fields? A woman's whole life is a warfare against dirt, and like the woman of



A Log Cabin for a Summer Home.

really a lily instead of a violet. I could take you in May to a patch of blood root, which is one of the daintiest, pure white blooms, with very pretty pale green foliage and with blood-red roots. Then we have the wild diacentra, or Dutchman's breeches, or bleeding heart. These, with the wild, sweet scented phlox, are among the common flowers.

ers.

Perhaps you do not know that we have also very plentiful, the wild lily of the valley, not quite so sweet as its cultivated sister. Very beautiful for bouquets are the mitreworts, the true and the false. The wild honeysuckle and the faise. The wild noneysuckle is not so lasting as the cultivated variety. And how many have found the wild ginger. This plant sends up a velvety leaf, while its flower lies near the rhyme, in the end she will lie down and die and be buried in dirt. We fight dirt every day and finally it conquers us. I believe we could fight it longer if one-half day every month we dropped the struggle and went to the deepest wood, where the air is pure and household germs are unnature and away from household worries. I think some women are born tired, and tired out, they die long before their allotted four score years, and they can't expect to enjoy a further work of the control of the c fore their allotted four score years, and they can't expect to enjoy a future beautiful world because they deliberately pass through with their eyes shut, what is a beautiful enough world for anyone, and they do not go out to seek its beauties. Let us live a simple life and we will get time for considering the lilies of the field.



[COPYRIGHT]

CHAPTER XX .- (Continued.)

Laying down the paper-so that any-one might read-he went to the woods again; and with long and steady strokes swing his axe all day, putting the finishing strokes upon his fallow; while with labor of the body, he calmed the fever of the soul.

CHAPTER XXI.

For days, even for weeks, the discovery of the divers was in everybody's mouth. Tom rarely met anyone but the matter came up for discussion. At his own home, his mother and Jim both talked of it: and more than once the brothers had an argument about certain points of detail, and the probability of future findings. But Tom parried every-

points of detail, and the probability of inture findings. But Tom parried everything and suspicion was not aroused. At the Ross's, too, Genie and her father, as well as George, would grow animated when talking of the villainy of the smugglers, and the just retribution meted out to them by a figure of the summary of the smugglers, and the just retribution meted out to them by a figure of the summary of the smugglers, and the just retribution meter of the smugglers, and the just retribute of the smugglers, and the summary of the smugglers of the smugglers of the smugglers, and it was lucky that he had with his one pair of hands his fallow to cut. Underwood had to be chopped down, trees felled, trimmed, and cut into lengths for snaking; and the whole finished before the spring work commenced. The neighbors marvelled at his vigor and energy, and at the long stretch of levelled fallow accomplished in so short a time.

"What a lot he's done," said George.
"Always at it. Day in and day out, never stopping. I wonder where he learned it all?"
"In the lumber camps, no doubt," re-

plied his father.

"Jim says that there's not another man in the whole settlement could do it,"

said Genie.

asid Genie.

said Genie.

said Genie.

said Genie.

ye no patience with Jim."

said Elsie, and to this they all assented.

The spring opened, and while the brush of his fallow was drying for the burning. Tom did his plowing, and prepared his little clearings for the season's crops. Corn planting time—that period in May, when the white oak-leaf in Indian parlance is as big as a squirrel's ear—soon arrived. Maples, beeches and hickories were already covered with verdure; and as the days grew longer, thrushes, robins, and orioles filled the air with song.

air with song. One evening, Tom had finished his day's work. He had made ready for the morrow's planting, and was watering a little plot of pansies that he had put in beside his house some weeks before, when a ringing laugh attracted his attention. Elsie and Genie Ross were coming up from the road.

coming up from the road.
"It's the funniest thing out," said Genie, lowering her tone as they approached, "a regular riddle. To think of a
sensible man, with no one to provide
for but himself, working as if his very
existence depended on the number of
hours he could put in."

"I think he has good reason," return-ed Elsie, warmly. "To be cut off with-out a dollar, everything being left to his brother, is enough to put any man on his mettle."

his mettle."
"But that's not it," said Genie. is no more thinking of Jim when he is working, than I am of you."

Tom commenced to whistle, and the

Tom commenced to whistle, and the conversation dropped.

"This is delightful," he cried cheerily, as they approached. "I'm through for today, and was pust watering my pansies Have they not done well?"

"Yours are the finest bed I have seen, and what a variety you have," said El-

"Only four kinds," was his answer; and stooping down he pulled a cluster tinted with amethyst. "The light ones suit you best Elsie. Let me fasten these on you best Elsie. Let me fasten these on please. The dark ones are for Genie." "May I gather some?" Genie asked. "Certainly. I was going to pick them please.

for you."
"Thank you. How pretty they are."
"They are very sweet," said Elsie. "To think of your being florist, and farmer and woodsman and—"
"The said was you can think of." "Everything else you can think of," said Tom quickly, "a jack, but not a

master

"That remains to be seen," said Elsie, "It looks as if to succeed with you only means to try."
"That should be a man's motto, whatever he makes of it," responded Tom. "Well! I must go on," said Genie. "I promised to visit little Katie, one of my scholars; and it will take all my time to run over there and get back before dark. Are you coming, Elsie?"
"Katie is not Elsie's scholar," said Tom, dryly; and turning toward her, he continued, "why not stay with me until Genie's return, Elsie? I have something I would like to show you."

he continued, "why not stay with me until Genie's return, Elsie? I have something I would like to show you. Elsie considered for a moment, and on Genie urging, she consented. "It won't be dark for an hour yet, and I'll be back as soon as I can," said Genie can be the property of the said of th

I'll be back as soon as I can," said Genie, as she tripped away.

"I am very glad you stayed, Elsie," he exclaimed, as Genie reached the gate.
"There's something I want your approval upon. It is my grove of hickories."

And he led the way to a little clump of saplings on the other side of the house. They formed a double line in the form of a half moon; and in the open centre he had already found time

to construct a rustic seat made of branches of the same wood.

"What a unique idea! and such symmetrical lines!" cried Elsie in surprise.

"You could not have planted them."

"Oh, no. It was simply a thick grove of young hickories that happened to be growing here. So I lined them out and took up the rest by the roots, to make the surface clear." He did not tell her of the odd charm that the name of Hickory had for him.

"How well you have done it, and how beautiful they will be when they grow larger!"

larger!

I am glad of your approval," he exclaimed, earnestly But such a labor; and this seat. How

did you get it inside the crescent?"
"That was easy. I just took the parts required from the hickories I cut down, and bringing them inside, put them together

"To make this delightful seat. You are a strange man, Tom. It seems to have been nothing but toil ever since you came home."

"Is it not good to toil?" he asked. There was a tender tone in his voice, as they partially faced each other on the little rustic seat.

"Oh! yes it is," she replied, quickly averting her face. "It shows a purpose

"But not the only purpose. It is only a means to an end. You cannot believe it is the only thing I live for, Elsie."
"I never thought it was," she replied

"Nor it never has been. No matter how or where I have worked, there has always been something over and beyond

it all."
"That is the mystery of your life."
"Perhaps it is," he said, looking intently into her eyes. "Would you like to hear it, Elisie?"
"I don't know," she replied in an agitated tone, "but there is one question, it may be a silly one, that I would like to ask."

ast."

"Ask anything you like; for I have much to tell you."
"Still, not now, please—but that little old purse of mine—did you keep it?"

"Keep it! Why I have carried it every day of my life! Here it is!"

A little, crumpled, brown leather purse, with a tiny steel clasp, lay in his hand. The color of the original leather was all gone; and there were little cracks in it here and there. It would not have held money with safety now; but it was not required to. It did not matter.

"There is no commercial value in it," he continued with a light laugh as he handed it to her; "but it's the richest treasure I ever owned; worth its weight,

treasure I ever owned; worth its weight, not in gold, but in priceless gens."

A flush of crimson mantled Elsie's cheek, mounting quickly to her temples. A tender glow filled her eyelids, but she did not speak. Her heart was too full. Tom's pulses beat faster, and the Tom's pulses beat faster, and the thought came again of that meeting in the woods years and years ago. It seemed like a century and yet only yesterday.

"I am glad you kept it," she said at st. There was a slight tremor in her

voice.

"The keeping was mutual," came in measured tones from his lips. "I kept it, but it kept me like a human soul."

"Why not tell me? I can bear it all now.

(To be continued.)

RED ROSE TEA IS GOOD

THE BOYS AND GIRLS

Baby Alice and the Cow

When Baby Alice and the Cow with a bell around its neck, she thought it so funny that nothing could induce her to leave the spot. She stood watching the cow until it slow-ly walked away. Then, when the bell began to ring, she turned delightedly to her mother, exclaiming: "O mam-ma, does the cow ring the bell when she wants the cal to come to sup-per?"

It Was a Fox

RESULTS OF THE PRIZE COMPETITION AND LIST OF WINNERS

The majority of the votes cast by the readers of this page are in favor of calling the animal, whose picture we printed on May 2, a fox. It was not quite a unanimous decision, for eight competitors thought it was a wolf, three a coyote, and two called it a coon; but far the greater number were emphasic in asserting it to be a fox. And a fox it truly was.

The competition was a very interesting one, and the results are most creditable to those who took part in it. The young people in the Faxanixo. Wound family evidently know something about animals.

family evidently know something about animals.

Here is the judge's verdice First Prize goes to William F. Boa, Lachute, Orner G. William F. Boa, Lachute, Orner G. Ont.; third, John Hubnot, Kempville, N.S. For the fourth place there was a tie between Horace Cameron Stewart, St. George, N.B., and Ernest Gordon, Stapledon, Ont., and we have therefore allowed an extra fourth prize, these two competitors receiving equal recognition. Honorable mention is also won by John A. Campbell, C. Carp Son Williage, N.B.; Bertram M. Andrew, Seckerton, Ont.; and William J. Smille, Inwood, Ont.

A word of explanation is necessary in regard to the first and second prizes.

Inwood, Ont.

A word of explanation is necessary in regard to the first and second prizes. The second would have been entitled to first place had it not been for quite a large number of mistakes in spelling and grammatical construction in the original this page, these mistakes have been corrected. The judges, however, in comparing the merits of the different essays, looked upon neatness of manuscript, good spelling and correct form as an important part of their general excellence. Facts well expressed was what they wanted. Ferhaps all cur young readers might take a hint from this. Good grammar, good spelling, good writing, and good punctuation are of great importance, not only in prize competitions, but afounds.

ful on these points.

To all these prize-winners Farming
World has pleasure in extending its conworks has pleasure in extending its con-gratulations, and to all the competitors also, for while not all could win the prizes, every one has made a creditable effort, and has helped to make the com-

petition a success.

Three of the essays are as follows:

Three of the essays are as follows: The animal in the picture, to all appearance, is a fox. He is standing at the mouth of his burrow: a breeze of wind has evidently wated scent of some kind and he is smelling to find out what it is. If it is some kind of game, he slips quietly off through the

dense under-brush, creeps along until he sights it, and then crawls through the weeds and grass until he gets close enough to make a rush upon it unawares. If, however, it is a hunter, or dogs, he slips quietly into his burrow, and is not seen until danger is past. His burrow is in the thick bush, on a hillside; sometimes it is in the underbrush, and sometimes it is not. There are severally four entrees or priving

brush, and sometimes it is not. There are generally four entrances, or exist —one main entrance and exit and one at either side. My uncle and I once commenced digging a fox out of his burrow, but he escaped. We discovered the main entrance, and two side entrances, or exits, but failed to discover the main exit; therefore, when we had been digging for some time, all at once there was a flash of red fur, and the fox was some through the main exit. the fox was gone through the main exit we had failed to discover.

we had failed to discover.

The fox is one of the worst enemies of the poultry yard. He will catch and kill any kind of poultry, e.g., hens, ducks, turkeys, geese; he will catch a hen, carry it for a small distance,



In his Working Clothes.

and if not chased, will lay it down, then worry it a little, shake all the loose feathers off it, pick it up, and start for his burrow, leaving no sign of his having lelled a hen but the feathers scattered on the ground. If the fox, however, catches too heavy a fowl, say a full grown turkey or goose, he takes hold of it by the neck, throws it over his back and trots off with it. One time my neighbor, upon arising in the early morning, heard his geese cackling, and going out saw a fox and the gander of the flock fighting; however, the fox on seeing the man, ran off,

ever, the fox on seeing the man, ran off, or it is hard to say what the result would have been.—WM. F. Boa, Lachute,

Quebec.

I think the picture is that of a fox, of which we have several kinds: the red, crossed fox, and silver grey, the red being the most common in Ontario. They are quite frequently seen near our forest. The fox lives on animals

and birds, which it catches and kills for itself. In this matter it is very cunning. It walks slyly and slowly, in

for itself. In this matter it is very cunning. It walks slyly and slowly, in a crouched position, until quite near its prey; then with long strides it mores quickly, until it can grasp it as flock of goolings feeding along the banks of a creek, when a fox made a raid on them, killing four. The boys, hearing the squall of the geese, went out and found that the fox had taken one away and the others were lying dead. He would have come back and taken them if the boys had not brought them up.

the would have come back and taken them if the boys had not brought them if the boys had not brought them them if the boys had not brought them them if the boys had not brought them. Their den, where they keep their young, is about five feet deep in the ground. To this there is a long road dug out, with several turns in it; this road is from twenty to thirty feet long and never in a straight line.

There was a den near our place, and straight gentleman who wished to get some men and dug all day and did noome men and dug all day and did noome men and dug all day and did noome the morning, to find that the mother fox had taken the little ones away. They had the satisfaction to know what he had stored up in her hole. They found pieces of crows, squirrels, skunks, woodchucks, lambs, rabbits, and different them is the winter, and to see the hunters going home, carrying the hounds after something to eat. It is not an unusual thing for us to hear the hounds after something to eat. It is not an unusual thing for us to hear the hounds after something to eat. It is not an unusual thing for us to hear the hounds after them in the winter, and to see the hunters going home, carrying them over their shoulders.

A full-grown fox is about three and a half teet long and eighteen inches high. A full-grown fox is about three mad a half teet long and eighteen inches high. The part of the piece of the piece

will out-distance a dog.—Monta SkinNee, Pine Orchard, Ontato.

THIRD PRIZE

The animal in the picture is a fox.

The fox is a very sly creature. It lives
near a forest, near a very sly creature. It lives
near a forest, near a very sly creature. The fox is a
not straight all the way through, in
not straight all the way through, in
stig-ragas along. It is about two feet
deep and ten feet long. They have
their young about the middle or last
of April. The old mother fox plays
sad havoe among our lambs in May
and June, to help feed them with. They
as have a mong our lambs in May
and June, to help feed them with. They
went out to look at the forest of the control

One Smid Smid Smid Smid Smid Smid Smid
when they saw an old fox play lambs,
when they saw an old fox that they went
up and dug out the little foxes. They
got four out alive and two dead. They
brought them home and when I first
looked at them I thought they were little
looked at them I thought they were little
orest.

When hunted with doss the fox much

When hunted with dogs, the fox runs in a circle until it gets to a good place; then he turns sharply again, and as the dogs go straight ahead it gives him a great deal more time to get away and hide himself.

hide himself.

The fox can be caught sometimes in a steel trap, if it is properly smoked and oiled. He is also caught in snares set along his path. The snares are made of several strands of brass wire twisted together. An old log fallen across a stream is a good place to stream is a good place to get stream is a feet wet in oning across.

as Mr. Reynard does not like to get his feet wet in going across. The snare is set in spring-pole fashion.
Foxes are of different colors: red. cross, silver-gray and black. Mostly red and cross foxes are caught here. Silver-gray and black foxes are valuable. After foxes are caught and skinned, the skin is stretched on a board. My brother once caught a fox, black and red, spotted all over, which was very pretty.

—JOHN HULBURT, Kemptville, N.S.

THE KITCHE

Cooking Utensils

In the preparation of foods the In the preparation of foods the question of cooking utensils is one of very great importance, and especially so in these times when novelties and new ideas are being pushed to the front. Competition makes it incumbent upon the manufacturers to lessen the cost and this is sometimes done greatly to the detriment of the goods. on the cost of your food, eating that which is simple and less expensive, rather than to make a saving by the purchasing of cheap utensils. This caution applies, of course, to the glazed, enameled and so-called agate ware goods rather than the old-fashioned iron kettles, which were not so easy to contaminate. It offensive most expensive. While such reliable brands as the Agate Nickel Steel Ware and Aluminum cost more, in the purchase of it not only has the safety been found in its healthfulness, but it has the qualities of durability that makes it economical. These cautions are of special importance during the season when acid fruits are largely in use. ly in use

Good Things for the Table

Ign in use.

Good Things for the Table

Strawberry Pir.—Have ready a freshly baked shell of rich pastry. Beat the whites of two eggs to a stiff froth, gently add half a cup of sugar, vanilla to flavor, and a pin sugar, vanilla to flavor, and a slow oven until firm to the touch.

Strawberry Tart.—Make a short piecrust, adding a fourth of a cup of sugar and a teaspoon of baking powder for two cups of flour. Line a deep pudding form with the pastry, brush with white of egg, dust with cracker crumbs and fill with fresh strawberries, adding sugar to sweeten. Beat the yolks of three eggs with a fourth of a cup of the sugar to the sugar the sugar to the sugar the sugar to the sugar to the sugar the sugar to the sugar

cup of preserved strawberries, one cup of sugar, two eggs, one teaspoon of soda, one teaspoon of cinnamon. Mix sugar and butter to cream; soak bread in milk with soda, mix and add the other ingredients. Steam two hours. Serve with whipped cream.—Mrs. Albert Marion.

CORN MEAL BATTER CAKES.—One

Cosn Meal Batter Cares.—Une and three-quarters cups of corn mel, a scant half cup of flour, two eggs, one and a half pints of sour milk, two teaspoons of sugar, one-half teaspoon solt and one teaspoon solt. The meal must be the coarse corn

meal, not the bolted variety. The milk should be thoroughly soured. Soak the land of the more might in the milk. In the morning man and the mornin meal, not the bolted variety. The milk

Heat the buttermilk to the boiling point, stirring it frequenty to prevent curdling. Put the sugar in a large bowl and pour the hot milk on it. Now gradually sift into this mixture a quart of four, stirring all the while. Beat well; then cover and let it stand in a warm room over night. In the morning dissolve the sound add to it it be batter, together soda in three tablespoonfuls of water, and add to it the batter, together with the salt and butter, melted. Beat thoroughly; then gradually beat in the remainder of the flour, reserving, however, half a cupful for kneading. Sprinkle the board with flour, and, turning the dough upon it, knead for 15 or 20 minutes. Divide into three parts, and shape into loaves. Place 15 or 20 minutes. Divide into three parts, and shape into loaves. Place in buttered pans, and put into the oven immediately. Bake for one hour in a hot oven

How to Cook Prunes.

Few persons really know how to cook prunes. Yet if properly cooked they are delicious as well as much to be desired on the ground of health. Wash carefully, cover with cold water and let stand over night. In the morning place both prunes and the water in which they have been the water in which the how been soaking in a small air or granite models in a small air or granite with the same of the pange. Let heat slowly and simmer gently until the fruit is perfectly tender, then add one tablespoonful of sugar for each pound and let stew slowly for five minutes longer. Remove from the fire and cool. Another method calls for the same process except that the sugar is omitted. This method is preferred by some people. But whether sweetening be added, the long soaking and slow cooking will mean a delicious result. Serve with sweet cream. sweet cream.

A Rhubarb Pie Hint

I began to make a rhubarb pie when I found I did not have rhubarb enough by one-half. There was no mough by one-half. There was no way to procure more, and company was expected, so the pie must be made. I took the strawberries left from breakfast, put them on top of the rhubarb until the plate was full enough, first slicing or cutting each berry into bits, then add a good full cup of sugar, sprinkled on a little flour, a pinch of salt, and t tablespoon of water. The strawberries gave the pie a delicious flavor and tempting color and the flour thickened the juice. We often use this recipe now in preference to the plain rhubarb pie.

Chocolate Filling.—One cup each of grated chocolate, sweet milk and sugar, stir carefully until it boils to a thick cream, and spread on layers while



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+++++++++++++++++++++++++++++ HEALTH IN THE HOME *********

The Benefit of Yawning

The Benefit of Yawning
A good, wide, open-mouthed yawn
is a splendid thing for the whole body.
A yawn is nature's demand for restcause of the wide body.
A yawn is mature's demand for restcause of your yawning.
You may be sleepy also, but that is not
the real cause of your yawning. You
are sleepy because you are tired,
Whenever you feel like yawning, just
yawn. Don't try to suppress it because
you think it is impolite to yawn. Put
your hand over your mouth if you want
to, but let the yawn come. And if you
are where you can stretch at the same
time that you yawn, just stretch and
yawn. This is nature's way of stretching and relaxing the muscles.

This is nature's way of stretch-ina and relaxing the muscle.

Don't be afraid to open the mouth wide and yawn and stretch whenever you feel like it. Indeed, if you are very tired but do not feel like yawning, there is nothing that will rest you so quickly as to sit on a straight-back chair and lifting the feet from the floor push them out in front of you as far as possible, stretch the arms, push the head yourself yawn.

Those tense nerves will relax, the

yourself yawn. Those tense nerves will relax, the contracted muscles will stretch, and the whole body will be rested. Do this two or three times when you are tired and see what it will do for you.

38 Two Good Hints

My husband, who is a traveling man, suffered from acute stomach trouble from much hurrying and badly cooked food. On one occasion he went into a drug store in a little country town and told his trouble to the man who kept the store. The druggist said, "Don't the store. The druggist said, "Don't take any medicine, but just get an egg, break it raw into a glass, pour in enough vinegar to cover it, pepper and sait well, swallow it, and that will settle your stomach all right." With very little faith my husband carried out the directions and found it acted like a charm. It enabled him to finish his journey in comfort.

It enabled nim to final his journey in comfort.

The small callous spot on the sole of the foot, from which so many housewives suffer, can be cured by placing a bit of absorbent cotton, saturated with olive oil, on the spot each morning before putting on the stocking or shoc. If a corn has developed in the middle of the callous spot, touch with a little turpentine every evening upon retiring, and the corn will come out in a little while. Apply the turpentine with a toothpick or die wrong end of a match, so it will to both of the wrong end of a match, so it will to both of the wrong end of a match, so it will to both of the wrong end of a match, so it will to both of the wrong end of a match, so it will to both of the wrong end of a match, so it will to both of the wrong end of a match, so it will to both of the wrong end of a match, so it will to both of the wrong end of a match, so it will to both of the wrong end of a match, so it will to be only the corn. The oil will the soften the hard skin around it, and a bit of pumice will do the rest.

Keeping Turpentine

I should like to sound a note of warning in regard to keeping turpentine in a warm room. I once had a quart bottle a warm room. I once had a quart bottle of it on the top shelf of my open kitchen closet. We always add a little of it to the water with which we wipe up our hard wood floors—it gives such a good clean odor—and one warm Tuesday morning while we were ironing, it suddenly exploded and frightened us fearfully, it sounded just like a pistol. Fortunately no serious harm continuately no serious harm of the continuation of the con

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a quantity of the BiGOG."—HUBARITARIAN.
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of the lody, and when it falls to perform
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++++++++++++++++++++++++++ SUNDAY AFTERNOON \$++++++

It is Enough

Dear Lord, if love should pass me by While still the sun shines in the sky, And somewhere hearts to hearts reply, It is enough.

Dear Lord, if fame should pass me by While breathes the great ideal nigh, Though deaf unto my own soul's cry, It is enough.

And, Lord, if wisdom pass me by, If only by some spirits high, Thou answerest the heart's great why It is enough.

The Habit of Prayer

The Habit of Prayer

A minister of some experience has lately made the assertion that out of every ten church members, so far as he has been able to find out, only three have a fixed daily habit of sincere prayer. It is to be hoped that his experience is misleading. Yet many Christians, it is certain, neglect prayer in a manner most dangerous to their souls; and too many dangerous to their souls; and too many control of the souls of the souls

Preferring One Another

The humble man seeks at all times to act up to the rule, "In honor preferring one another; Servants one of another; Each counting others better than himself; Subjecting yourselves one to another."

The question is often asked, how we can count others better than unimself; Subjecting yourselves one to another.

The question is often asked, how we can count others better than ourselves, when we see that they are far below us gifts, or in grace received?

The question proves at once how little we understand what real lowliness of mind is. True humility comes when, in the light of God, we have seen ourselves to be nothing, have consented to part with and cast away self, to let God be all. The soul that has done this, and can say, So have I lost myself in finding Thee, no longer compares itself with others. It has given up forever every "hought of self in God's presence; it meets its fellow men as one who is nothing, and seeks nothing for itself; who is a servant of all. and for His sake a servant of all. The soul provides the self in the self is the sake a servant of all the self in the sake a servant of all the sake as the servant. The humble man looks upon every, the ceblest and nuworthiest, child of God, and honors him and prefers him in honor as the son of a King. The spirit of Him who washed the disciples feet makes it a joy to us to be indeed the least, to be servants one of another.—Andrew Murray.

As One Grows Old

Why should not a man be happy when he is growing old, so long as his faith strengthens the feeble knees, which chiefly suffer in the process of going down the hill? True, the fever heat is over, and the oil burns more slowly in the lamp of life; but if there is less fervor, lamp of life; but if there is less fervor, there is more pervading warmth; if less of fire, more of sunshine; there is less smoke and more light. Verily, youth is good, but old age is better—to the man who-forsakes not his youth when his youth forsakes him.—George Macdon-ald.

IN THE SEWING ROOM

May Manton's Hints

MISSES' HOUSE JACKET 4721.
Pretty, taseful morning jackets are always in demand and make attractive always in demand and make attractive garments for breakfast wear as well as for use during the hours spent in one's own apartments. This one is designed for young girls and is exceedingly youth-ful and graceful, its broad collar droop-ing well over the shoulders and the fitted back giving a trimness and neat-ness to the figure. As shown the ma-terial is springed mushir trimmed with frills of embroidery, but there are count-tered to the stream of the stream to the properties. The properties of the pro-back, the back being laid in tucks to the waist line and the fronts being gathered at the upper edge and stayed by means of an underlacing. The case collar is

of an underfacing. The cape collar is





4720 Boy Cost

4694 Nine C red Tucked skirt 22 to 30 waist.

4719 Corset Cover, 32 to 40 bust.

4721 Misses' Hou Jacket, 12 to 16 yrs.

arranged over the whole and the neck is finished with a little frill. The sleeves can be in either flowing style and finish-ed with frills or in bishop style with cuffs as may be preferred.

CORSET COVER 4719.

Shapely corset covers that fit nicely Shapely corset covers that in neery yet are not over snug are in constant demand and never can be too numerous. This one is peculiarly pretty and attractive, is envinently simple and can be made of any of the materials in vogue for underwear. The model, however, is of linen batiste with insertion and frills of embroidery and bands of beat-

ing.
The corset cover is cut with fronts The corset cover is cut with fronts and back, which are laid in narrow tucks to the waist line, and is closed at the centre with a box piant in shirt waist style. Over the upper edge and at tick waist line are applied bands of beading that are threaded with ribbon by means of which the size is regulated.

WOMAN'S BOX COAT 4720

Loose box coats make exceedingly smart wraps that are eminently confortable as well. This one is adapted to all the range of cloaking materials touches of darker velvet and is stitched with corticelli silk. The special features of the model are the mandolin sleeves and the additional lapels which are exceedingly effective. When liked, however, plain sleeves can be substituted for the larger ones, as shown in the small sketch.

In made with fronts and backs and is shaped by means of shoulder, under-arm and centre back seams. A pocket is inserted in each front and the closing is made invisibly by means of a fly. The extra lapels are applied under the fronts and collar and roll over with them on indicated lines. The mandolin sleeves are cut in one piece each and are finished with plain cuffs, but the plain sleeves are in regulation ceat style with uppers and unders. Loose box coats make exceedingly

coat style with uppers and unders.

NINE GORED TUCKED SKIRT 4694.

Skirts that are tucked to be snug at their upper portions and fall in folds below the stirchings have become quite general and are both becoming and graceful. This one includes also a shar'd yoke that allows of perfectly snug and smooth it over the hips. The model is made of champagne colored voile with ninnes of he when the share of the proand smooth it over the mps. The mouer is made of champagne colored voile with pipings of brown and trimmings of tiny gold buttons, but any material soft enough to allow of tucking is equally appropriate.

The skirt is cut in nine gores and laid in groups of tucks that are stitched with

32 to 40 bust. corticelli silk. The upper edge is joined to a round foundation yoke, over which the shaped one is applied, and the upper edge can be finished with a belt or cut dip outline and under-faced or

The Care of Clothing

The careful woman sets apart one day in each week for mending. Such things as may need it are looked over and carefully repaired; hooks and eyes that have become loose are sewed on, buttons re-placed, and dresses that are frayed out at the bottom are rebound with either velveteen or braid, which freshens the garment wonderfully

Damp, mud-stained skirts should be hung where they will dry immediately. When dry they should be thoroughly brushed and shaken before being replaced in the closet.

As soon as warm weather arrives, the careful woman gathers up all winter clothing, and cleans, brushes, and packs all winter garments into dark chests closets, out of the way of dust and

After the white embroidered dresses After the white embroidered dresses have been washed in two soapy waters, rinse well through two waters, the last one having a moderate amount of indigo bluing in it. Do not make the mistake of patting Prussian blue into the rinse water, or they will turn yellow before spring. After the blue water they should be spring, after the blue water they should result the spring. After the blue water they should not be sufficiently as the spring that the spring they are the spring that they water. This, also, should be spring they are they water they want to be spring they are they water they want to be spring they want t the wrong side over a piece of thick flannel. This will cause the figures of the embroidery to stand out in bold re-lief, and the dress will look as good

as new.

When perfectly dry, fold each dress carefully, wrap loosely in good clean paper, and write the owner's name plaintenance, and write the owner's name plaintenance. ly on each package, so that there will be no need of untying to find the right How Delightful Is Independence With the New Century Ball Bearing ashing Machine



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Pruning at Planting Time

Any person having a knowledge of fruit growing, can, upon passing through an unknown district, come to a pretty accurate conclusion regarding a pretty accurate conclusion regarding the amount of care given to fruits in that locality, simply by the manner in which the plantations are kept pruned. It is a lamentable fact, that in very many districts, orchards, in-stead of being carefully pruned each succeeding year, are allowed to go untrimmed, and in a short time pre-sent

sent a thick, tanged that a thick, tanged that a thick, tanged that a thick that a

ing at planting time."
There are few subjects in connec-

There are few subjects in connection with the fruit-growing industry that should be given more careful consideration than should the preparation of trees for planting after they have been received from the hands of the nurseryman. All orchardists are well aware of the fact that a young tree makes its start either on the unward or downward grade during the first two of the three that a good growth and produces a nice healthy growth and produces a nice healthy top during those seasons, one may be satisfied that by proper management he will in time have a fine specimen.

samile, that by probe indiagonates he will in time have a fine specimen. On the contrary, however, if there are the contrary, however, if there are the good one, the chances are the tree will never make a presentable appearance, nor pay for the labor necessary to keep it living. How to prune at this extremely important period of the life of a tree is a problem that has proved a stumbling block to many who have not had considerable experience in this branch of horticulture, and the fear of cutting away too much has more often been the cause of error than has the too free use of the pruning instrument. In many instances trees, bushes and vines undergo no trimming operation at all, but are planted just as they are received from the just as they are received from the aursery. Such a practice is extremely injurious to the stock and is worthy of nothing excepting severe condem-

We all understand that the act of We all understand that the act of transplanting must, of necessity, be a severe shock to a tree when we con-sider that probably one-half or more of the larger ones, are left in the ground when it is dug from the nurs-ery row. To counteract this loss, we ery row. To counteract this loss, we must exercise intelligent pruning at the other end of the tree, and the top growth should be cut back a corresponding amount. It should be cut back more, for the roots, as well as being reduced to such an extent, are also loosened from the soil, and before they may perform their regular proper functions, they must make a new union therewith. As a rule, also, the stock has to be shipped some dis the stock has to be snipped some unstance and as a result the roots become more or less dried out. It is always noticed that when trees are not sufficiently pruned, that the growth made, if any, is a very weak one; the trees are stunted and the interior of the stock of the stock of the sufficient of the stock of the jurious effects are never overcome.

There are other reasons why severe

There are other reasons why severe pruning should be resorted to at this stage, even if the plant could, without it, overcome the shock of transplanting. It is natural for the sap to flow toward the extremities of the branches and thus cause a new growth to be produced from that point. The result in a few years would be long, slittled by the standard of the standard word, on account of their slender form, be unable to bear



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er should be without one

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the load in an upright position, and consequently would be bent over and broken off, and the tree would be greatly damaged, if not lost. By trimgreatly damaged, if not lost. By trimming back the first and each successive year, the flow of sap is kept in check and side shoots are forced out, and this causes considerable expansion in the remaining part of the branch and also greatly increased strength. It is very patent from these reasons, and others that could be given, that pruning at planting time should be resorted to.

should be resorted to.

How shall we go about it? We must be very careful in the outset, for we know that this trimming is a means to an end, and upon these early operations the form of our future tree greatly, if not altogether, depends. As a general rule, 3½ feet to 4 feet from the root to the point of the trunk where the top is to start, is sufficient. Secure the young tree and the trunk where the top is to start, is sufficient. Secure the young ree and tring away there for the proposed in the sum of the trunk where the top is to start, is sufficient. Secure the young tree and the trunk of the trunk there they can be a sufficient to the trunk the such as the sum of the trunk the such a sum of the trunk in such a manner as the sum of th have these remaining branches come from the trunk in such a manner as to be the foundation of a nicely shaped head, if at all possible. Occasionally this is impossible the first year, but it is not often the case, and as a rule can be done the second year.

as a rule can be done the second year. Having selected the branches to be the foundation of the head, cut all back to three or four buds on each branch. As is the case with all other work, three is a correct and an incorrect way to do this. The correct way is to cut it so that the bud nearest the end will be on the out side of the branch. As a result of this action the new growth will lead outward and leave the centre open, and therefore prevent close and crossing limbs; while the incorrect way is to leave while the incorrect way is to leave the end bud on the inside of the branch and thereby induce a crowded, tangled growth, which is sure to be the result.

In some trees it is quite a difficult task and a problem for an experienced grower, to lay the foundation and form a good head. This is the ase in many of the varieties of the Japanese plums.

At planting time all broken and split roots should be trimmed also, and should be cut in such a manner that the sloping wound faces down-ward, as such a method does not ren-der it so easy for any water to enter the root and cause the beginning of

All bushes, plants and vines should be carefully thinned and cut back at this stage.

this stage.

An orchard of trees with well shaped heads is as easily obtained as any other if a little care is exercised in the outset, and the pruning of trees, etc., at planting time demands careful consideration and intelligent action, for "as a twig is bent, so is the tree inclined."

JNO. B. PETTIT, Wentworth Co., Ont. .12

Fruit Injured by Frost and Mice

Reports received by the Fruit Di-vision, Ottawa, show that the damage to fruit trees by mice has been most to fruit trees by mice has been most serious in Ontario and Quebec. The damage to nursery stock has been particularly severe, fully 25 per cent. of all stock "heeled in" out doors has been destroyed. In some cases 50 per cent. of all orchards of three years or more were destroyed.

Where young orchards had clean culture throughout the season, the in-jury was almost nothing. Where weeds, grass or clover crop protected the proportion of loss increased. For-

est trees and hedges suffered to an equal extent. The loss will probably reach 25 per cent, on all young trees. Some growers protected their trees from mice by throwing two or three shovelsful of loose earth about the trunks of the trees. Others protected them by tramping the snow about the trees after the first heavy snow-fall, repeating it after a thaw. A most effective protection is furnished by wrapping building paper about the trunk of a tree for one or two feet, tying it in place with a stout cord. A light vener, such as is used in making tying it in place with a stout cord. A light veneer, such as is used in making baskets, cut in pieces about 6x18 in. and held in place by a stout cord, is also effective and has this advantage that it protects the trees from sun scald as well as mice.

scald as well as mice.

Comparatively few have attempted to save their trees. Where the inner bark has not been removed, the tree may frequently be saved by keeping the tree moist until the growing season. The damage by frost, though serious enough in Ontario and Quebec, will not affect to any great extent bee, will not affect to any great extent the amount of fruit put upon the mar-ket this year, except in the case of plums and pears The Flemish Beauty pear proved one of the hardiest varie-ties. Plums were killed in some of pear proved one of the hardiest varie-ties. Plums were killed in some of the heavy plum-producing districts, and the buds are so seriously injured and the buds are so seriously injured everywhere as to render a heavy crop this year improbable. In the Essex peach district probably 50 per cent. of the trees will be killed outright. The Niagara district is not so seriously injured. Cherries are also injured severely in bud. Small fruits escaped with less injury.

Do Bees Injure Fruit?

Mr. John Fixter, Foreman Central Experimental Farm, Ottawa, conducted experiments to determine whether bees injure fruit. The test was made with injure fruit. Ine test was made with peaches, pears, plums, grapes, straw-berries, and raspberries. The question of "bees and fruit" has been a vexed one for years, as we all know; and a certain class of fruit-growers has been certain class of truit-growers has been persistent in its denunciations against the honey-bee. The results of Mr. Fixter's experiments have been, like those of all others, fairly made; namely, that bees can not and do not injure good sound fruit, but simply take the juices in the control of the control of

four colonies of equal strength were taken; and on each was put a super divided into three compartments. In one of these compartments was put sound fruit; and in the third, sound fruit beameared with honey. The bees began at once to work on the honeyed and punctured specimens, and apparently both were going to be demoished. At the end of aix days the hives were amined any it was found that the once amined any it was found that the once. both were going to be demonstrated and the end of six days the hives were examined, and it was found that the puncamined, and it was found that the puncamined but uninjured; and those not treated were in sound condition. Fruit dealt with in a similar way was also hung about the apiary; but in every instance the bees were unable to feed on them. More weight is added to the results of these experiments from the fact that they were made during the summer they were made during the summer tural sources. Some of the colonies were even depleted of their stores in order to make the test thorough; but many of the bees died of actual staryation while Juscious fruit lay appetizingly around.

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OUESTIONS AND ANSWERS -----

Milking Goats

Could you tell me through The FARMING WORLD of a farmer who makes a business of raising goats, a good milking strain?—E. P. SMITH, Pontiac Co.,

We do not know of any farmer in Canada who breeds milking goats. If any reader knows of one we would be glad to have his name and address. There are some breeders of milking goats in the United States, but the Angora goat leads in that country, and it is not of the milking kind.

Cow Eating After-Birth

Could you give me any information on cows eating after-birth. What can be done for same, and what harm does it do to milk and the general health of the animal?—ALEX. McC., Algoma Distriction trict. Ont.

All animals will eat the after-birth if they get a chance. But it should not be permitted as the practice is most disgusting. The after-birth should in every case be removed from the stable. disgusting. The after-form should in every case be removed from the stable or away from the animal and buried. The practice, however, will do the animal land the harm beyon tasts of the animal mal little harm beyon tasts. The animal little harm beyon tasts of the animal little harm beyon tasts with a good plan to give the first milk, which should be taken from the cow as soon as possible after the call is dropped, to the cow. Of course, a pint of it should be given the call. This will prove a healthful laxative, and as this milk is very different from what she ordinarily gives, there is no danger of begetting the habit of milking herself in the cow.

Value of Ashes

Walue of Ashes
What is the value of a bushel of ashes
if used on the land?—J. E. W., Glengarry Co., Ont.
There is in hardwood ashes, on the
average, about 5 per cent. of potsh and
one per cent. of phosphoric acid. Of
course, we are assuming that the ashes
are clean, and have not been leached.
If a bushel weighs, say 40 lbs., there will
be in it a lbs., potsh and 4 lbs., phorphoric acid. Commerch and phosphoric
acid about the same or a little over 4
cents. This would make the potsh in
a bushel of ashes worth 9 cents and the
phosphoric acid 1½ cents, or a total of
10½ cents. There is also in ashes a
large amount of lime. Ashes will do
good to most soils. Where the soil is
sour ashes would be of great value, or
where there was abundance of organic
nitrogen in a none too soluble condition
it would be valuable. In any case it
it would be valuable. In any case it
it would be valuable. In any case it
it would be valuable. If any case of
the land than trade it off for soap, as
is commonly done in the country.

Planting Evergreens

Would you kindly let me know when is the best time to set out evergreen trees? Has the old or new moon anything to do with their growing? Is June a better month than May?—A.J. D., York Co., Ont.

For Ontario, the best month during which to plant evergreen trees is May, say from the middle of the month to the first of June. This year, perhaps, owing to the lateness of the season, planting could be carried on well into June. As a rule, June is usually too

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Wind Motor Our Marvel Pumping Wind Motor has twice the power of any other wind motor of the same size built, and will run in a lighter wind.

with tree planting as it has with the application of hair tonic on a bald head to make the hair grow. -----ABOUT RURAL LAW ***********

dry, and evergreens set out in dry weather would need a lot of watering and care. As compared with decidu-ous trees, evergreens are very hard to grow, and have to be handled with the greatest care and provided with good growing conditions or the per-centage of loss will be very great.

Some special information on tree planting will appear in next issue.

The moon has about as much to do

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

Promissory Note

Q.—A, who is a friend of B, borrowed from B \$500, and gave a note payable six months after receiving notice
from B, that is, in order to obtain
payment, B must give A six months'
notice. The note has been running
for several years, and the interest has
been paid regularly. I. What is the
legal status of such a note, and is it
negotiable?—J. H. W.

negotiable:—J. H. W.

A.—We presume that it is payable the face of the note that it is payable the face of the note that it is payable the face of the note that it is payable the face of the note that it is payable the face of the note, and the note is so, it will just be like an ordinary note and will, of course, be negotiable. If this condition does not appear on the face of the note, and the note is made payable at a definite future time, it would be negotiable before to be deep the holder could demand payment when the six months, but if A had to pay it then he would have a remedy over against B. If it were negotiated after it became due, according to its face, the holder would take it subject to the right of A to demand six months' notice.

Get our prices before purchasing elsewhere. WOODSTOCK WIND MOTOR COMPANY

A FREE PATH

WOODSTOCK, ONT.

KNOWLEDGE

We are giving a FREE SCHOLAR We are giving a FREE SCHOLAR SHIP in every School Section in Can-ada. Open until June 15th next-Instruction to commence when desired.

DO YOU WANT IT?

You may learn General Agriculture. You may learn General Agriculture, Poultry Raising, Small Fruit and Veg-etable Gardening, and other branches of Agricultural Science under Expert Teachers and by the most modern ethods

Write at once for Our Particus lars of Offer

Ambition and energy are all you need o secure this scholarship.

"FREE SCHOLARSHIP DEPARTMENT," Canadian Correspondence College, Limited Toronto, Ont.

Right to Renewal of Lease

Aught to Renewal of Lease
Q.—A leased some ground from B.
There was a provision in the lease that
B would, at the expiration of the term
thereby granted, lease A, for a further period of ten years the land, provided that A should desire to take a
further lease of the premises. There
two months to remove any buildings
he had put up, and to vacate the prehe had put up, and to vacate the pre-mises. At the expiration of the term, he had put up, and to wacate the premises. At the expiration of the term, A continued to occupy it as usual and made no move to remow his buildings or get out, but never told B that he wanted a renewal. At the expiration of the two months B ordered him to wacate the premises, which he refused to do, and demanded a lease for ten years, according to the terms of the first lease. I. Can B oblige A to give up possession of the premises?—T. H.

A.—No. Under the terms of the lease it was not necessary that A should demand from B a lease. The existence in fact of a desire for the further lease is all that is essential. It is merely a matter of proving the ex-istence of that desire, and we would think that the conduct and circum-stances narrated above would be sufficient to establish it.

Obstruction on Highway

Q.—The owner of a house abutting on the highway, placed a trap-door in the sidewalk in order to obtain an entrance to his cellar. He never got permission from the council to do this. The hinges of the trap-door projected about an inch above the sidewalk. The house was then purchased by Il, who continued to use the trap-door. C, while walking hurt, I thas C any right to see B for the damage?—G. D. O.

A.—No. No doubt the trap-door was a nuisance, and the man who originally placed it there could have been sued if he still occupied the property, but B could not be said to be been sned if he still occupied the pro-perty, but B could not be said to be continuing the nuisance, as he had no title to the highway, and strictly speaking, no right to remove it. If, therefore, the accident was not caused during or by reason of B's uses of the trap-door, he would not be liable.

Horse Frightened by Whistle

Q.—I was driving along the road past A's saw mill when the whistle of his steam engine started to blow, and frightened my horse, and he ran away and damaged the buggy. I. Can I make A pay for repairing it?— M. L. G.

A.—The mere fact that your horse, while being driven along the high-way, has been frightened by the whis-tle is not sufficient to make A re-sponsible for damages resulting from your horse running away. You would have to give some evidence of negligence in the use of the whistle, or perhaps that its use might be expected to cause such an accident, so as to cause it to be a nuisance to the highway.

Rights of Inheritance

Q.—A, who was an illegitimate child, died, leaving a wife but no children. His father and mother are both living. I. What will become of his estate.—L. McK., Ontario.

A.—His wife will get one-half and the Crown one-half.

Nature About the Farm

(Continued from page 428.)

fore him. Can you suggest anything for him besides traps and guns? Ans.—Gophers and Ground Squir-rels are great pests all over the West Ans.—Gophers and Ground Squirrels are great pests all over the West and are somewhat difficult to deal with on a large scale. The poisoned wheat is efficacious early in spring, when food is scarce, but as the season advances and the natural food of the animals becomes abundant, they are animals becomes abundant, they are considered to the season of t

In order to save trouble and avoid wasting material it is as well not to put a dose of bi-sulphide in a burrow, unless a squirrel has been seen to en-







Two Common Poultry Troubles

SOFT EGGS AND EGG BOUND

SOFT EGGS AND EGG BOUND

All poultry keepers at some time or another experience trouble with either one or another of the above common ailments of poultry, and a few words to FARMING WORLD readers as to the cause and treatment will not be out

oft eggs are sometimes the result

to Farming World readers as to me of place.

Soft eggs are sometimes the result of fright, but more often the trouble is due to over-stimulating and unsuitable food, or to want of lime. When soft eggs are frequently soft and the birds are included in the birds and remember that on no account must maize or wheat be fed for a time, and twice a week give a large teaspoonful of sulphate of magnesa in the drinking water to every ten birds. A valuable tonic and one which every poultry keeper should have at hand, consists of: 'y' lb. of sulphate and of iron (green coperas), 'y' fluid ox sulphuric acid. The two ingredients should be well mixed with a gall more than the sulphate of the sulphate and the sulphate of the sulphate and the sulphate of th

Turkey Culture

Avoid inbreeding. Avoid exposure to showers. Turkeys fatten on beach nuts. Nests should be on the ground Nests should be on the ground. Feed the young little and often. Turkey broilers is the latest fad. Seven eggs is considered a sitting. Curd is excellent for young stock. Turkeys need plenty of grass range. Do not let the young become chilled. Turkeys will shrink one-third in

dressing. No "sloppy" food must be given the young.

The bronze is the largest of the tur-

key family.
A good start is everything in rearing

turkeys.
See that the parent stock is strong and vigorous.

Turkey hens are profitable until 5 years old.

It is a good plan to change gobblers

every year.

Let the fowls fast for 12 hours before killing.

It requires 28 days to hatch a turkey egg.—A Few Hens.

IN OUR SAVINGS DEPARTMEN

INTEREST is paid or added to the principal every six months. In DEPOSITING or WITHDRAWING money, whether over the counter or by Mail, every convenience is afforded.

INCORPORATED 1855

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THE TORONTO, ONT.

Dan Patch 1.561/

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Fastest Harness Horse in the World

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ONTAINS 103 LARGE EMPAYINGS OF STOCK

This book root up or 5 popo to produce. The cover is a beautiful live stock picture withing and adversing on it, contain for pross, size 163 a 50, given bistory, description and literature of the various breeds of horses, cattle, abeep, hoge and poultry. Many stockmens say would not take \$5, off their covy of they round not get another. The finely illustrated prinary Department alone will nave you hundreds of dollars, as it treats the ordinary diseases to which stock are subject, and talls you how to cure them.

the ordinary diseases to which stock are subject, and tells you how to cure them.

WE WILL PAY YOU SIOO IF THIS BOOK IS NOT AS REPRESENTED

This book will be mailed free, postage prepaid, if you will write us at once and answer

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THE FARMING WORLD is thus an ideal family paper devoted to Country Life in Canada

ALL SUBSCRIPTIONS ARE DISCONTINUED PROMPTLY WHEN THEY EXPIRE.

Send 25 cents in stamps and write your Name, Post Office and Province plainly, and address

The Farming World - Toronto

In and About Quebec

Potatoes are proving good property nowadays, 50 cents a bushel is being paid, delivered at the cars, for ship-ment to the New England market.

ment to the New England market.

Butter and cheese are both very low. At Cowansville a number of buyers were on hand at the last meeting of the board. About 337 boxes of butter changed hands at 15½cc. and 161 boxes of cheese at 6½ to 65½c. 450 boxes of cheese at 6½ to 65½c. 450 boxes of cheese offered was not sold, and 63 packages of butter. Six of the buyers compiled with the guarantee of the buyers compiled with the guarantee of the the

At the recent sale of Ardennais horses at St. Jerome, by the Provin-cial Department of Agriculture, the following prices were realized:—

Tonowing prices were realized:—
Gamin sold to Agricultural Society
No. 2, of Terrebonne county, price
\$400; Rico sold to M. R. Therrien, St.
Jovite, price \$550; Malou sold to M.
Albert Lemieux, Victoriaville, price
\$500; Bulot sold to John Cahill, Lowe,
Wright Co., price \$655.

More than three hundred persons were present at the sale, and the stal-lions were very favorably commented

were present at the sale, and the stallions were very favorably commented
pon.

Four horses had previously been
sold to agricultural societies in Bellechases and Lake St. John. The Minister of Agriculture reserved for the
Compton Model Farm, "Valentine,
which is consider the property of the
which is consider the property of the
which is considered. This horse
was greatly admired by all present.
Several Ontario horse breeders were
present and anxious to make purchases, but the Deputy Minister, M.
Gigault, would not allow the horses
to be sold outside the Province, because they had been imported solely
in the interests of the Quebec farmers. Another importation is expected this year. The season has been
most favorable for seeding thus far,
the weather being dry and time for
ten days at a time, form, and the forcountry of the property of the country
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outlook, but the cows must be milked.
The Compton Model Farm creamery is the first in the province to commence gathering cream daily, and already the quality of its productook
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outlook, but the cows must be milked.
The Compton Model Farm creamery is the first in the proprise to
full property of the proprise to commence gathering cream daily, and already the quality of the proprise to
daily output of over 3,000 lbs. will be
exceeded. Mr. Gerin is the proprieor Prince Edward Island

The Compton of the proprie-

Prince Edward Island

Prince Edward Island
Fine weather, though rather cool
up to May 18. Some welcome rain
fell on May 17, which started up the
grass wonderfully. The clover meadows look excellent, and a good crop
of hay is anticipated. Seeding is well
advanced and some of our farmers
are planting potatoes. On account of
the high price of potatoes, more than
usual will be planted this spring.

CHARLOTTETOWN MARKETS

CHARLOTHTOWN MARKETS
Butter, fresh, 24 to 25c; beef, gr.,
per lb, 6 to 7c; beef, small 7 to 12c;
por lb, 6 to 7c; beef, small 7 to 12c;
por lb, 16 to 7c; beef, small 7 to 12c,
to 12c, very scarce;
ducks, per lb, 9/5 to 10c; lard, per
bucket, 11 to 12c; butter, tub, per lb.
acc; flour, per cwt, \$240 to \$8.50;
eggs, 12 to 13c; oatmeal, per lb, 2½
to 3c; potatoes, per bush, 35 to 40c;
codfish, 10 to 50c. each, according to



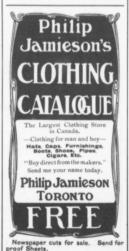
Farming Pays

In NEW ONTARIO Write for descriptive pamphlet and maps

Algoma. Thunder Bay. Rainy River,

Nipissing. Temiskaming.

Hon. E. J. Davis, Commissioner of Crown Lands, Toronto.



TORONTO

P. JAMIESON,

size; lobsters, 10 to 20c. each; hay, per cwt, 65 to 70c.; oats, 35 to 37c. per bus.; turnips, per bus., 20c.; wild geese 75c. to \$1 each; apples, 24c. per doz., and very scarce.

and very scarce.

A number of men have been working at the new lobster hatchery since last fall. The building is now completed and the hatchery will shortly be in operation. The hatchery has a capacity of 150,000,000 young lobsters each season. It is situated one and a half miles from Rocky Point.

A handware stalling Printed on the control of the c

A handsome stallion, Princeton, 2.1934, arrived by the Halifax on May 17, for T. Warren, Firton Cove, Lot

Mr. R. Roberts sold a good driving horse recently for the sum of \$115.

horse recently for the sum of \$11.5.

Mr. D. T. Fraser Kingston, Lot 31,
has sold his pure-bred Yorkshire boar
to Isaac Smith, of New Wiltshire.
Five schooners have recently been
loading with produce at Montague. A
large number of potatoes have been
marketed at satisfactory prices to pro-

The directors of the P.E.I. Dairy Association, in order to obtain data of work done by our best dairymen, and also to encourage the production of milk, offer prizes for the coming season as follows: The sum of \$20400 oct.

The sum o The directors of the P.E.I. Dairy

Purchase New Quarters

Purchase New Quarters
Among the important manufacturing plants destroyed in the disastrous
fire that swept Toronto April 19th,
was that of the International Stock
Food Company. Their plant was completely destroyed and the company
was forced to secure temporary quarters at the Granite Skating Rink, a
building containing a large amount of
floor space. floor space.

building containing a large amount of floor space.

While occupying these temporary quarters, the demand for International stock foods was so very heavy that the company would have been fully suitable for their purp a large factory suitable for their purp a large factory suitable for their purp a large factory suitable for their purp and the sufficiently large. Being, therefore compelled to look to other sources, the company finally closed negotiations for a three storey and basement building, having a frontage of 121 fect on Yonge street, the leading business thoroughtare of the leading business thoroughtare of the leading business thoroughtare of the large and the

largest of its kind in Canada.

The company desire us to state that, while their entire stock of Dan Patch lithographs and International Stock Books were destroyed, an order was at once placed for 20,000 copies of each. They are now in position to send, free of charge, copies of these to any of our readers, who will write them, answering the following questions: (1) Where did you see this notice? (2) How many head of stock have you? These are worth having.

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 duliny. Any information as to importations made, the sale and purchase of stock and the addition of here's and flocks that is not in the nature of an advertisement will be welcomed. condition of herds and incise that is not in the nature of an advertisement will be welcomed. Our desire is to make this the medium for conveying information as to the transfer of pure-bred animals and the condition of live stock throughout the country. The co-operation of all breeders is earnestly solicited in making this department as useful and as interesting as possible. The editor reserves use right to climinate any matter that he may consider better suited to our advertising columns.

Stock Gossip

Mr. R. Corley, Belgrave, Ont., writes: "Our Shorthorns have come through the winter remarkably well and are about to go out on the grass in good breeding condition. Sales have been good at fair prices. We have have been good at fair prices. We have two sappy young bulls left yet. They will be sold at a bargain to an early purchaser. Our crop of Lincoln lambs are very promising, both in num-ber and quality. We had two set of triplets, which the ewes are raising, except one. The remainder of the lambs were chiefly twins."

Geo. Amos & Son, Ont., write: "In ordering a change of advertisement, we beg to report the following recent sales: To J. A. Cockburn, Aberfoyle, Ont., the Campbell Rosebud cow Lulu, by Admiral—3808—, with C. C. at foot, by (imp.) Ben Lomond; to Quarry Bros., West Montrose, one built to Tyson Bros. Guelph, one built to Tyson Bros. Guelph, one built to the Bros. Guelph, one built to the Bros. Guelph, one built by Grant Bros. Guelph, one will be the Bros. Guelph, one built by Grant Bros. Guelph, one of Towie (imp.), by New Year's Gift, with bc. at foot by Clipper Hero-44785—, junior champion bull at Toronto last year, and the Campbell Rosebud heifer, Rosebud 18th, by (imp.) Prince George.

"Our herd has come through the winter well. We have an extra good bunch of young bulls coming up, by Village Captain—39014—(imp.) Sprince George. Geo. Amos & Son, Ont., write: "In

Marquis, gold medal bull at Ioronto for the past two years; imp. Ben Lo-mond and imp. Broadhook's Golden Fame, and out of Mystic, Flora, Golden Drop, Rosebud, Gilt, some are

Golden Drop, Rosebud, Gilt, some are from imp, sires and dams, "We have a few choice heifers and young cows for sale, of straight Scotch breeding, including an extra good roan yearling heifer from (imp.) Mina, and sired by Bapton Chancellor (imp.), a son of the noted Silver Plate, fit for show purposes."

H. Cargill & Son, Cargill, Ont.,

H. Cargill & Son, Cargill, Ont., write:
"Notwithstanding the severity of the past winter (the worst in our experience) and owing probably to the fact that Providence was kind enough to provide an ample supply of good roots and provender of various kinds, their attendants kind and painstaking, and their stables comfortable nor beed and their stables comfortable, our herd of Shorthorns have gone out to grass

of Shorthorns have gone out to grass in better shape than ever.

"The herd now consists of 102 imported cows and bred heifers, 5 imported bulls, 3 home-bred yearling bulls, 3 home-bred yearling heifers, 48 and 100 per second to the second bulls, 3 home-bred yearling heifers, 48 few more still to come.

"While the days of the "boom" are apparently over, we think we have no

apparently over, we think we have no cause to worry about it as we believe the trade today is in a much more healthy condition, it having settled down to a legitimate basis, and judging from the numerous inquiries there would appear to be a lot of people still wanting cattle of the right sort, and willing to pay a fair price for

them.
"Trade with us during the winter

was necessarily quiet on account of the difficulty, in fact, we might almost say the impossibility, of obtaining a sufficient number of dirigible balloons say the impossibility, of obtaining a sufficient number of dirigible balloons to provide transportation for our numerous customers, the Grand Trunk Railway having gone out of the control of the control

past.
"In conjunction with Messrs. W. G. "In conjunction with Messrs. W. G. Pettit & Sons, we purpose holding what may be practically called a bull sale in Hamilton on 8th of November next, when all the bulls we have of this season, which are old enough and in shape to offer, will be sold to the highest bidder. This will be the first opportunity our people have had to buy at their own valuation a lot of bulls of similar ment appreciated by them, so that this or a similar sale. them, so that this or a similar sale may become an annual affair as in Scotland. It is possible that there may be a few females offered also. Make a memo of the date and arrange to take a bull home with you as he

Make a memo of the date and arrange to take a bull home with you as he will get there in ample time to get early show calves for following years. Some of our recent sales follow:

H. McLean, Wyoming, Ont. The red bull Marshall Victor, sired by imp. Golden Drop Victor, out of the Mayburgh of the William of the Mayburgh of the Mayburg cow Blythesome 25th.

Farmers' Institutes

Supt. Putnam has completed arrangements for the annual meetings of Farmers' Institutes be held during ing June. These in most cases will be purely business meetings, though at some few, a series of practical talks by competent workers have been arranged for

Horse Owners

GOMBAULT'S CAUSTIC BALSAM



SUPERSEDES ALL CAUTERY OR FIRING.

title, ery bottle of Caustic Balsam sold is earted to give eatisfaction. Price \$1.50 bottle. Sold by druggists, or sent by ex-, chargee paid, with full directions for its Send for Jeseriptive circulars, testimo-etc. Address

THE LAWRENCE-WILLIAMS COMPANY, Cleveland, Ohio

21 FRONT ST. WEST, TORONTO



A Bad Hitter

may not be

wholly - - -TO BLAME

for his Bunches and Bruises

F(Trade Mark Registered)

Copyrighted) will remove the inflammation and bunch. \$\$2.00 per bottle, delivered. "Manufactured by | Manufactured by W. F. YOUNG, P.D.F.,"

Springfield, Mass.

LYMAN Sons & Co., - 物Montreal Canadian Agents



120 LIBERTY ST De Loach Mill Mfg. Co. Box BOX



ROCK SALT for hor for horses and cattle, in ton and Terente Salt Works, Terente car lots.



Works well both on stacks and in barns, unloads all kinds of hay and grain either loose or in sheaves. Send for catalogue to

M. T. BUCKANAN & CO., Ingersoll, Out.

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

VILMARHOOK STOCK FARM

ALL-MARNUCK STOCK FARM

Gydsedale llorses, and a fine lot of pure Scotch and Scotch
topped shorthows for sale, a number of fine individuals of
Form Standard Control of the Standard Control
Form Stan

HILLHERST PARM.

Hampshire Down Sheep, the coming breed, direct importations. Scotch topped Shorthorns from imported sires and dams of deep milking strains. JAS. A. COCHRANE, Hillhurst Station, Compton Co., P. Q.

Brampton Jersey Herd

Leading herd of prize-winning Jerseys through-out Canada. Headed by three Champion bulls. Only prize-winning strains of best milking and butter records kept. Choice males and females always for sale. Prices right. B. H. BULL & SON, Brampton P.O. and Sta. C.P.R. & G.T.R.

" NETHER LEA" AYRSHIRES

Offering this month 4 bulls, 15 mos.; 3 choice bull calves, 3 mos.; bull and heifer calves just dropped. Napoleon of Auchenbrain (imp.) at head of herd, whose dam has a record of 72 lbs, per day. Prices low.

T. D. MCCALLUM.
Danville, Que.

FOR SALE

Ayrshires, all ages. Eggs for hatching, from Leghorns. Hamburgs, Dorkings. Chickens, Ducks and Turkeys. Also five pure Collie pups. For further particulars write to W. STEWART & SON, Menic, Ont.

IMPROVED VORKSHIRE SWIVE

Of good breeding and feeding quality, and the right bacon type. From superior imported

IRA JOHNSON
Hageraville Sta. Balmoral P.O., Ont.

A FEW GOOD CANADIAN BRED

Stallions and Fillies

Some of the gets of such horses as McQueen from fine registered mares. Also a number of A. Torrance. - Markham. Ont.

GLENAVON STOCK FARM W. B. Roberts, Prop.

ure-bred Cattle and Berkshire Swine. Young took of both sexes for sale. Write or call. Station, St. Thomas, C.P.R., G.T.R., M.C.R.

MAITLAND BANK STOCK FARM

Shorthorn Bulls fit for service. Also cows and heifers, imported and home bred. Prize winners of scotch breeding. Moderate prices.

Call on or write to D. Milne & SON, Ethel P.O. and Sta. G.T.R.

VALLEY HOME STOCK FARM

Breeder of Scotch-topped Shorthorns. Herd contains the fashionable strains such as Minas, Urys, Clippers, of straight Scotch breeding, and the best kind. Both sexes for sale. Corres-pondence invited. Visitors welcome.

NEIL DOW, Tara Sta., G.T.R., P.O. and Tel.

Pleasant Valley Shorthorns

Herd of leading Scotch families, such as Filts, Orange Blossoms, Mysies, Killbleau Beautys (Campbelli, Nonparells, Clementires, Rosebud, Golden Props. Headed by (imp.) Old Lancaster, Write your wants or visit personally.

GEORGE AMOS & SON. MOFFAT STATION P.O., C.P.R

Choice Yorkshires Young Stock from Fine Imported and Home Bred Boars and Sows

Young Boars fit for service and Sows ready breed or already bred. Boars and sows not in. Prices right. Write or call on J. A. RUSSELL

Precious Corners P.O. Cobourg Stn., G.T.R.

The Calgary Sale

Mr. F. Hodson, Dominion Live Stock

Mr. F. Hodson, Dominion Live Stock Commissioner, writes:

"The fourth annual sale auspices of the Territorial Pure-bred Cattle Breeders' Association, which was held in Calgary on May 11th and 12th, was a pronounced success. Over three hundred cattle were disposed of at very hundred cattle were disposed of at very satisfactory prices. One hundred and twenty-five Shorthorn bulls were sold at an average of \$10,500 and fifty-four females at an average of \$65,50. Sev-enty-six Hereford bulls averaged \$127,50 and the Hereford females realized an average of \$9,100. As usual, good cattle well brought out were in demand at good prices. One Hereford breeder sold good prices. One Hereford breeder soid fifteen two-year-old bulls at an average of \$162.50. These were all strong, well grown "breedy" looking animals of ex-cellent quality. The ranchers do not grown "breedy tooning and celest quality. The ranchers do not want a bull less than 18 months old, and he should be well grown, and must be strong enough to rustle with the herd, and hold his own with other bulls on the ranch. The large number of herd, and hold his own with other bulls on the ranch. The large number of yearlings offered by Shorthorn breeders accounts in part for the lower average as compared with Herefords. As an instance of this, one breeder offered four sons of Trout Creek Hero, calves of excellent quality from 12 to 14 months old. They were sold at prices ranging from \$55 to \$70. Immediately afterwards the same breeder offered a numwards the same breeder offered a num-ber of two-year-olds not of as good quality or breeding, but big framed, strong bond cattle; these sold readily at prices ranging from \$125 to \$135. "Breeders of pure-bred cattle aiming at the production of bulls for the ranches

at the production of bulls for the ranches will do well to hold their cattle until they are at least 18 months old; better still. 2 years old. They must also be bred for plenty of size and good strong bone; and they must offer their cattle for sale in good condition, with the skin and beir indicated with the skin and hair indicating vigorous health and

Montreal Horse Show

The fifth annual Montreal Horse Show, held on May 11-14, was a suc-

There were in all about 160 exhibi-tors. While many of the entries were owned in Montreal, a large number of excellent animals came from a dis-tance. Two of the largest exhibitors of excellent animals came from a distance. Two of the largest exhibitors were Toronto firms; these were Messrs. Crow & Murray, and Geo. Pepper & Co. Government House, Ottawa, sent a few choice animals which were well shown by the son and daughter of the Governor-General. A few entries in the pony classes came from Boston, Mass., and E. H. Weatherbee. New York, had forward a string of high jumpers.

The classes numbered over sixty

The classes numbered over sixty and in some of these the entries numand in some of these the entries numbered from about a dozen to over a score. The quality was usually of a high order, and in some cases many really high class animals had to leave the ring unrewarded. This was particularly true in the cases of the saddle horses, bunters and single horses in harness. Pairs were also well represented and of excellent quality and

fitting.
The breeding classes were not The breeding classes were not strong, although good prizes were offered. In Thoroughbred stallions, calculated to improve the breed of saddle horses and hunters, there were just enough animals to lift the three awards. The breedy, bay aged horse Barefoot won 1st for Wm. Anderson, Pointe Aux Trembles. Five out of seven entries appeared in the class for Standard-bred roadsters. These were not a very high class lot, the majority being plain and only moderate goers. ate goers.

Brookside Avrshires

Cows from this herd won 1st, 3rd and 5th in Dairy Test at Ontario Winter Fair, Dec., 1902, and 1st and Sweepstakes over all breeds, Dec., 1903. Royal Star of St. Anneis., 7919.—a thead of the herd. Will have a few calves to spare after January 1st.

H. & J. McKEE.

"Brookside." Norwich, Oxford Co., Ont.

.. Woodroffe Dairy Stock Farm ... Six grand young buils still on hand will be sold cheap, if taken before winter.

esp, if taken before winter.

SEND FOR CATALOGUE OF STOCK.

September Yorkshires ready for ships J. S. CLARK, Proprietor, GTTAWA, ONT.

Woodstock Yorkshires and Shorthorns

Young bulls fit for service, imported and

Yorkshire Boars fit for service and young sows in pig to Imported Show Boars. Young pigs all ages, in pairs not akin.

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HOLSTEIN BULLS

Two Holstein Yearling Bulls for sale, for work, apply to WILLIAM SUHRING Schringville Ont.

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A. G. GORMLEY

BURNDENNETTE STOCK FARM
Breeder and dealer in Canadian and imported
Clydesdale Horses and Berkshire Swine
of good breeding and fine Clydesdale type and
quality. Address or call at Unionville Sta. and
P.O., Ont.

HACKNEY-WELSH PONY STALLION DUKE OF YORK

By Royal Standard E.H.S.B., C.H.S.B. sy Roya: Standard E.H.S.B., C.H.S.B. 3 year-old. 13-1 hands. Bark Brown. Inner of 4 Firsts at Toronto Spring Show and Toronto Industrial Exhibition

BROADVIEW PONY FARM Banforth Road TOPOVTO



Yorkshire Swine Clydesdale Horses

Shorthorn Cattle
A large number of fine Yorkshires to cho randly bred sires and dams. Good prices to quick to A. E. HOSKIN, COBOURG STN. AND P.O., ONT.

Ayrshires and Yorkshires

Choice February and March Calves, sired by Prince of Barcheskie (imp. in dam), and Deep Milking Dams. At bargain prices if taken soon. An extra good Yearling Bull. Vorkshires of differ-

ALEX. HUME & CO., MENIE, P.O.

FOR SALE

7 Ayrshire Bulls from 1 to 16 months old. Good individuals from high class stock. Prices right. C. S. AYLWIN, Freeman P.O., Ont.

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.

CLOVER LEAF LODGE HERD OF SHOPTHOPNS

Choice young stock from grandly-bred Scotch-topped cows. A number from choice milking strains. Well-bred Lincoln Sheep. Also Barred and White Rock poultry and Bronze Turkeys. ock poultry and Browner, Ont.

R. CORLEY
Wingham, Ont.
C.P.R.,

Belgrave P.O. and

RIDGEWOOD PARK STOCK FARM Pure Scotch Shorthorns Clydesdale, Shire,

and Hackney Horses A number of fine young half-bred Hackney fillies for sale.

E. C. ATTRILL. Mar. Goderich, Ont.

ASHLAND STOCK FARM

PURE SCOTCH-TOPPED SHORTHORNS

Cows bred from such noted bulls as Aberdonian, Royal Tim, Uriah, Ben Machree, Marengo's Heydon Duke (mpp., Golden Able (imp.), In dam). Present stock bull, Big Gamey, dam Flora, sired by Marengo, a Mar-Missie bull by a son of Royal Sailor. Fine young stock of doth sexes for sale.

J. MARSHALL Tara Sta G T P. Jackson P O.

Glenview Stock Farm CLYDESDALES and HACKNEYS

All imported Stock Two Grand Young Hackneys for Sale

W. Colguhoun, Mitchell, P.O. and Station, G.T.R.

Dentonia Park Farm.

COLEMAN, P.O., - ONT.

FOR SALE-During the next six weeks-young stock of both sexes

JERSEYS, GUERNSEYS and AYRSHIRES &

Our prizes won at Toronto and Ottawa this year give only a fair idea of the quality of the stock. Our prices are consistent with such quality. Correspondence solicited. Photographs and full particulars will be sent on request.

JOHN H. DOUGLAS.

SHORTHORN and

AYRSHIRE CATTLE YORKSHIRE SWINE

Young stock of all ages and both sexes for sale.

Warkworth, P.O. CAMPBELLFORD STA., G.T.R.

Waverly Stock Farm

R. BEITH, Prop., Bowmanville, Ont. FOUR CLYDESDALE STALLIONS
FOR SALE

Prince Priam, 6 years old, by Prince of Albion (by Prince of Wales), dam Jessie Anne, winner of over 20 first prizes in Scotland.

The Treasurer, 4 years, by Lord Stewart, dam the Treasure.

These are all horses of grand quality and heavy scale, and are both prize winners and proved sires. Write or call on R. BEITH Bowmanville, Q.T.R., Ont.

The show of Clydesdale stallions was confined to three animals. Mr. Robert Ness had forward two excel-

was comined to the cause was confined to the cause of the

place. This class was judged by Dr. Andrew Smith.

The show of draught horses in har-ness was particularly fine, many of the large transportation companies of Montreal showing their best animals, which had evidently been specially fitted up for the contest. In the single class shown to Scotch carts, seven grand weight movers competed. They would range from 1,600 to 1,800 lbs., and were chiefly of good Clydesdale

character.

The show of light draught horses was small. The class called for pairs not to exceed 2,800 lbs. in weight. Three pairs competed. Two of these Three pairs competed. Two of these were of Clydesdale type and marking. One pair had the hair trimmed off the legs, which detracted much from their appearance. In spite of this foolish appearance. In spite of this foolish trimming they got into second place as the third team were of light gen-

as the third team were of fight general purpose type.

The competition for the Governor-General's prize was disappointing.
The conditions were the same as at Toronto. Only two animals were entered and only one came before the

The show was favored with fine

Military Camps Want Farmers' Horses

Farmers are being solicited to send Farmers are being solicited to send their sons and spare men with their horses during the latter part of June to the camps of the Canadian Field Artillery. The work is very light, averaging less than four hours each day. The horses are well fed and cared for under the supervision of experienced officers and regular veter-inary surgeons. Each battery reinary surgeons. Each battery requires about 25 teams of draft horses and 25 saddle horses. The pay for each draft horse is \$13 and for each saddle horse \$12. About 30 drivers will be required for each battery, who will receive \$6.50 each. This amounts to about \$2.50 per day for each man and team with everything found. Farmers who may wish to engage in rarmers who may wish to engage in the work are requested to write to the officer commanding the field battery in their district, stating how many horses and men they can furnish.

To Import Stock for the College

The Hon. Mr. Dryden and Prof. Day, of the Ontario Agricultural Col-lege, sail on June 10th for England. One of the objects of their visit is the One of the objects of their visit is the purchase of pure-bred stock for the College farm. A visit will likely be made to Denmark to look into the bacon industry there. IMPORTER

Clydesdales and Shorthorns

Messra. Smith & Richardson, Columbus Ont., Importers of Clydesdale Horses and Shorthorn Cattle. Stations—Oshawa and Brooklin, G.T.R.; Myrtle, C.P.R. Forty miles east of Toronto. Long-distance telephone at residence, near Columbus. Telegraph, Brooklin.

GRAHAM BROS... CLAREMONT, ONT.

Canada's leading Horse Importers

Clydesdales and Backnevs Stallions and Mares.

Farm one mile from station on C.P.R. Write for Catalogue

T. H. HASSARD, V.S.

DEALER IN CLYDESDALE. COACH AND STANDARD BRED STALLIONS

My last importations were taken directly from the boat to the Toronto Spring Stallion Show, where they won highest

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Bawden & McDonnell EXETER, ONT.

Importers of

Clydesdale, Shire and Hackney Horses

EXETER P. O., Ont., and Sta. G. T. R.

Farmers' Sons Wanted with knowledge of farm to work in an office, supper month with all an ancement, at each supper month with all ancement, at each ye employment in most be honest and reliable. Herealt Diffices of the association giving full particulars. THE VETE PLANTE SCHENCE ASSOCIATION CONTRACT SCHENCE SCHENCE SCHENCE SCHENCE SCHENCE SCHENCE SCHENCE SCHENCE

MAPLE CLIFF DAIRY AND STOCK FARM

Breeders of Clydesdales, Ayrshires, Tamworths and Berkshires.

For Sale.—One Clydesdalo Stallion, 3 years old; one Tamworth Sow, in pig to imported boar; two sows and two boars, 7 months old, imp. in dam; two Berkshire Boars it for service. Address, R. REID & CO., Sta. and P.O. near Ottawa. Hintonburg, Ont.

Champion Berkshire Herd OF CANADA

For several years back the York Lodge herd of Berkehires has won the championship at Toronto Exhibition, besides a number of other prizes. All hogs show great growth and size. Young pigs from the best prize sows and boars for sale at reasonable of the prize sows and W. H. DURHAM, PROPRIETOR, MALTON P. O., ONT.

OAK LODGE **YORKSHIRES**

Years of careful breeding have made the Oak Lodge Yorkshires the Standard of Quality for IDEAL BACON HOGS.

ampionship against all breeds has been won by this herd for 5 years at the Provincial Winter Fair, on foot and in dressed carcase competition. Prices are reasonable.

J. E. BRETHOUR,

BURFORD, ONT.

It's Good for Calves

You had best write us about the prizes we are offering for the heaviest calves shown at the Fairs throughout Canada this year. You may have a winner among those calved since January.

CARNEFAC fed calves not only win prizes but they win profits-a few cents spent for CARNEFAC adds dollars to the sale price. Such has been the experience of many thousands of good farmers and stockmen; there is no reason why it should not be yours. Try it. It costs but a trifle.

CARNEFAC is a food and a tonic. It is made in Canada by Canadians.

CARNFFAC

ARDEN, MAN., Aug. 26th, 1903. THE CARNEFAC STOCK FOOD CO.,

Dear Sirs,-I fed the Poll Angus Grade Calf that won the first prize at the Winnipeg Exhibition held last July, on your Stock Food. I do not think I could have made such gain without its use. At the age of from five to six months old he made a daily gain of five pounds.

Yours truly, (Sgd.) W. J. HISCOCK.

CARNEFAC STOCK FOOD 65 Front St. East. CO., WINNIPEG,

CARGILL & SON. Importers and Breeders of SCOTCH SHORTHORNS

Present offering SEVEN GRANDLY BRED BULLS. Also a large number of grandly bred young heifers, imported in dam and home bred. Call on or write to

H. CLANCY, Mgr.

H. CARGILL & SON, Cargill P.O. and Sta. G.T.R.

Thoroughbred for Canada

Thoroughbred for Canada Mr. John Hutchison, Newarkhill, has sold to the order of Mr. J. Johnston, Assimitoia, Canada, the thoroughbred stallion Topsawyer, by Balmoral, out of Highlbown, by Highborn. This is a beautiful bay 15.2 hands high, standing on short legs, and with good bone. He is intended to mate with the native ponies of the to mate with the native ponies of the bought him, is the eldest son of Mr. Joseph Johnston, of Wellwood, Ayr.—North British Agriculturist.

34 How a Prize Winning Fat Steer was Fed

was Fed

The white steer that won the sweepstakes for its owners, James Wilson &
Son, of Fergus, at last year's Winter
Fair, weighed 1,800 lbs, and was only
two years old. He had been fed in
the stable three times a day for a year
on the following daily ration: Hay, 5
lbs, roots, ½ bushel turnips; pea meal,
one quart; and oil cake one
quart, and oil cake one
quart.

Range Cattle Conditions in B.C.

Range cattle conditions in British Columbia are reported in fair condi-tion and few losses have occurred. Female stock suffered most, and it is likely the calf crop will be below the

likely the call crop will be usuw the average.

Beef keeps low in price. Heavy horses, weighing from 1,150 up are in good demand and realize good prices. More of this class are being bred to south of there. These sell better in B.C. than in the North-West. It is expected that if the legislation asked for by the recent National Live Stock Convention comes into force, putting a minimum valuation of \$\frac{1}{3}\times \frac{1}{3}\times \frac{1

putting a minimum valuation of \$15 per head on all horses coming into Canada it will have a stimulating effect on B.C. trade with the Territories.

tories.

The total catt'e exports from B.C. ranches totals to from 10,000 to 11,000 head during the year. The Kootenay trade is supplied mainly from the North-West, most of the B.C. range-finished cattle going to the coast

Summer School for Nature Study

A summer school for teachers will be held at the Macdonald Institute, Ontario Agricultural College, Guelph, from July 5-29, inclusive. Dr. Mul-drew will have charge of the work.

PRIZE WINNING SHIRE HORSES

WE INVITE all wishing to purchase Shire Stallions or Fillies of high quality to visit the stables of the undersigned and inspect the largest and best stock of Imported and Canadian bred in Canada.

Morris & Wellington Бигиничинин

Railway Station, Welland, G.T.R.1

Fonthill, Ont.

A1 Wheat Lands

IN MANITOBA, EASTERN ASSINIBOIA and SASKATCHEWAN VALLEY.

All selected lands and near stations, elevators and market towns in the best districts of Western Canada.

14, 1/2 or whole sections, or in 5,000 acre blocks, both odd and even numbered sections. Easy terms.

OM &WIAND @ 413 MAINS REAL WINNIPEG **ESTATE JWBETTE** LOANS

"THE REPOSITORY"

Cor. Simcee and Nelson Sts.,

WALTER HARLAND SMITH

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The Largest and Best Equipped Sale Stables in Canada.

Ten Thousand Horses Sold Annually Buyers will find this a good market to get any class of horses, from the useful second-hand worker or driver to the best bred ones direct from breeders. CONSIGNMENTS SOLICITED.

Auction Sales of Horses, Carriages, Harness, etc., every Tuesday and Friday to clock. Private Sales every day. We keep every stable requisite. Correspondence invited.

Market Review and Forecast

The Trend of Markets - Supply and Demand-The Outlook

Toronto, May 27th, 1904. Toronto, May 27th, 1904.
A fair volume of business is reported in general trade. Wholesale houses report remittances as being a little slow. Money is more plentiful a about 5 per cent. on call. Discounts are steady at 6 to 7 per cent, the ruling rate being about 6 per cent.

WHEAT

The wheat situation has improved since last writing and prices are about \$c. per bushed higher. The speculative control of the state of the state of the state of the advance, though unfavorable crop reports and a shrinkage in the visible supply in the United States and Canada have had something to do with it. Owing to the advance on this side there is very little wheat being exported, and yet Europe seems to be getting all the wheat she requires for present needs. Mamitoba market rules of winter wheats here and the decline at outside points does not materially affect the market for winter grades in Ontario. Red and white is quoted here at 95 to 96c; goose at \$8c. and The wheat situation has improved here at 95 to 96c.; goose at 85c., and spring at 90c., at outside points.

COARSE GRAINS

There is little to report about coarse grains. The market for oats, barley and peas rule steady at quotations. Corn is steady at 45 to 46c. for Canadian West, and 60 to 62c. for American in car lots, Toronto.

EGGS AND POULTRY

EGGS AND POULTRY
The egg market rules strong with prices at country points fully 3 cents per dozen higher than at this time last year. The outlook for pickling is not very bright as prices are too high. Under a good local demand stocks are not accumulating. From 15 to 15½c. are the ruling prices both here and in Montreal for case lots.

There is a demand in the Maritime Provinces for turkeys. In Ontario there is little doing in poultry ex-cepting in a local way.

POTATOES AND BEANS

The potato market is easier and plenty of supplies are coming forward. Quotations here are lower at to 95c. for car lots on track. The bean market is inactive.

HAY AND STRAW

Hay prices have kept up wonder-fully well considering last year's big crop. The late spring and cold winter have had considerable to do with this. have had considerable to do with this. There is quite a good export demand and dealers report large supplies among the farmers in Quebec, but this is doubtful. Quotations here for baled hay are \$9 for ear lots on track, and \$5.50 per ton for baled straw.

WOOL

There is little activity, in wool as yet. Owing to the backward season very little new clip is coming forward. Receipts of unwashed are fair with prices steady at 9½ to 10½c. Washed is quoted at about 16c.

DAIRY PRODUCTS

The cheese market has taken quite The cheese market has taken quite a sharp turn upwards since last writing and from 8½ to 8½ are the ruling prices on the local markets this week. The market, generally speaking, shows a firmer tone. The better quality of goods being made and the smallness of the make have had something to do the make have had something to do with the advance.

Butter has also assumed a better

tone and a steadier feeling prevails

though prices have not advanced. The English market is reported dull, though prices are reported to have touched bottom and are not likely to go any lower. 151/4 to 151/ac., Monto go any lower. 15½ to 15½c, Mon-treal quotations, is a pretty low figure for grass creamery butter. Quotations here are 17 to 18c. for creamery prints, and 15 to 16c. for solids. Choice dairy rolls sell at 11 to 13c. in a jobbing

LIVE STOCK

Business at the Toronto cattle mar-ket this week has been brisk. The run of live stock has been heavy. Cattle of live stock has been heavy. Cattle were in active demand for export owing to shipping from Canadian ports. The best cattle are wanted, some of the choice ones selling at \$5.20 per cut., with quotations at \$4.90 to \$5.20 for choice, and \$3.75 to \$4.25 for medium to good. Butchers' cattle rule steady at \$4.65 to \$4.75 for best, \$4.30 to \$4.05 for good ones, and \$4.05 \$4.25 per cwt. for medium quality. Short keep feeders in good condition sell per cwt. for medium quality. Short keep feeders in good condition sell readily at \$4,50 to \$4,80, and lighter weights at \$4 to \$4,50 per cwt. Good stockers sell at \$3,35 to \$3,75, and com-mon ones at \$2,50 to \$3,25 per cwt. Mich cows sell at \$3,0 to \$50 each, as to quality. Calves have ruled weaker owing to extra supply. Quotations are \$2 to \$10 each and \$3,30 to \$4,20 are \$2 to \$10 each and \$3,30 to \$4,20

per cwt.

The offerings of sheep and lambs are not heavy, and with an active de mand everything sells readily. Ex

mand everything sells readily. Ex-port ewes sell at \$4 to \$4,50; grain-tell eyer-lings at \$5,50 to \$5,75 per cwt, and spring lamb at \$2,50 to \$5,50 each. The run of hogs has been lighter and prices have advanced to \$5,15 for select bacon hogs and \$4,90 for lights and fats.

The horse market continues active with a good demand for all kinds of serviceable horses. As Tuesday was a holiday, the usual sale at the Repository, Toronto, was not held. On Friday a big sale of hunters, drivers, and saddle horses was held, all of which sold at satisfactory prices.

TORONTO IUNCTION

The run of live stock at the Union Stock Yards, Toronto Junction, has been large during the week. The run of export cattle offered has been good. Prices ranged from \$4.60 to \$5.20 with some very choice ones going a little higher. The bulk sold for \$4.80 to some very choice ones going a little higher. The bulk sold for \$4.80 to \$5.10. Butchers' cattle, 1,150 to 1,200 lbs. each, sold at \$4.50 to \$4.75 for the best, and \$4.40 to \$4.50 for good, with other quality lower.

MARITIME MARKETS

Halifax, May 24th, 1994

Market conditions are none too favorable at present for farming in-terests. There has been a very inact-ive market for cheese and butter, and for a time a deadlock was practically established between buyers and sellers. Dealers just now are conceding slightly better prices and some busislightly better prices and some business is being put through. Potatoes have declined, and while a cent a pound is not a bad price for tubers, some growers in the Cornwallis Valley, who a few weeks ago held their stocks for a dollar a bushel will regard the present turn as unsatisfactory. The egg market has strengthened, and this article is now Jobbing

tory. The egg market has strengthened, and this article is now jobbing
at 15 cents in Halifax, there being
some scarcity here owing to large
quantities being absorbed by the picklers. Apples are now practically out
of the market, there being nothing obtainable but a few nonparelis, which
attainable but a few nonparelis, which
attainable but a few nonparelis, which
pare selling at from \$3.50 to \$4. There
apples, the supply of which now
comes almost entirely from Ontario.

Hay has kept very steady throughout the season, the best quality selling
at \$4.p er ton. Oats have firmed up
a little but the Island situation is understood to be unsteady as stocks are
rather heavier than usual. Feeds are
very firm but the demands in the
Maritime Provinces will be light from
now onward. The pork season has
about ended, there being no demand
for anything now excepting a few light about ended, there being no demand for anything now excepting a few light hogs. Turkeys are much wanted, as high as 17c. per lb. being paid. All kinds of poultry are scarce at this sea-son. Native rhubarb is on the mar-ket at 2½c. per lb. This and aspara-

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 27	Montreal 26	St. John	Halifax 25	Winnipeg 25
Oats, per bushel	33	36	43	43	32
Barley, per bushel	42	50	52	52	35
Peas, per bushel	42 63	71	75	75	
Corn, per bushel	46	54	55	. 56	
Flour, per barrel	3 80	4 90	4 50	4 60	3 70
Bran, per ton	16 50	19 00	23 00	23 50	15 00
Shorts, per ton	18 50	20 00	24 00	24 50	18 00
Potatoes, per bag	95	85	60	60	65
Beans, per bushel	1 40	1 45	1 90	2 00	
Hay, per ton	9 00	10 50	13 50	14 00	10 00
Straw, per ton	5 50	6 00	8 00	8 00	
Eggs, per dozen		16	14	15	15
Chickens, per pound, d.w		13			
Ducks, per pound, d.w		****	12	12	
Turkeys, per pound, d.w	14	15	16	17	17
Geese, per pound, d.w			14	14	
Apples, per barrel	3 00	4 25	4 00	4 00	4 50
Cheese, per pound		81/4	9	91/2	
Butter, creamery, per pound	18	17	20	21	20
Butter, dairy, per pound	13	14	18	18	18
Cattle, per cwt		5 00	5 00	5 00	4 00
Sheep, per cwt	4 50	4 50	6 50	6 50	4 00
Hogs, per cwt	5 15	5 50	5 50	5 50	5 25
Veal Calves, per cwt	4 50	4 50	4 50	4 50	3 -3

gus are about the only Nova Scotia green stuff yet seen at the country

green stuff yet seen at the country market.

Flour again firmer in sympathy.

Flour be higher price of wheat. Sugar with a mather five cent per set today, making this article cost 40c. per cwt. more than at this date last year. There have been very heavy arrivals of West India cane sugar this spring and the local refinery now advertises its product as made entirely from this material. Porto Rico molasses has advanced one cent per gallon, sees has advanced one cent per gallon, dull the selfing prices remain steady. All other lines are unchanged.

Trade has been fair during May.

Trade has been fair during May. The weather for the most part has been cold, but there has been a few very warm days. Vegetation through-out the province is looking well and shows as much growth as can be ex-pected at this date. Apple trees are in bloom and look well. A report from P. E. Island says some farmers have finished seeding, so the season in the country cannot be as backward

BOOKS AND BULLETINS

BOOKS AND BULLETINS
JOURNAL OF THE ROYAL AG
RICULTURAL SOCIETY OF ENGLAND. Volume 64, giving an account
of the proceedings for 1903.
REPORT OF THE MINISTER
OF AGRICULTURE for the Dominion
of Canada for the year ending October

31, 1003.

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CITY MILK SUPPLY.—Bulletin 92. Experiment Station, Urbana, Ill. FATTENING STEERS OF THE VARIOUS MARKET GRADES.— Bulletin 90. Experiment Station, Urbana, Ill.

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ONTARIO AGRICULTURAL COL-LEGE.—Report of its work and that of the Experimental Farm for 1993. Published by Ontario Department of Agri-culture, Toronto. FATTENING STEERS OF THE VARIOUS MARKET GRADES.— Bulletin 90. Agricultural Experiment Station, Urbana, 111. CTTY MILK SUPPLY.—Bulletin 92. Agricultural Experiment Station, Ur-bana, 111.

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Advertisements under this head one cent a word. Cash must accompany all orders. No display type or cuts allowed. Each initial and number counts as one word.

THE WONDERFUL NORTH-WEST.—We have for sale land in Assinibola, the greatest hard wheat district in the world. These lands are situated between Regina and Prince Albert on the C.F.R. if you intend going west to take on the C.F.R. if you intend going west to take our illustrated literature which gives full information. Parties are forming now. Write today, S. G. READ& SOS, Real Estate Brokers, Brantford.

EGGS—Barred Plymouth Rocks, "National Strain," large selected birds and splendid layers.—\$1.00 per 15, or \$2.00 per 45, REGI-NALD WARREN, Gamebridge, Ont.

IF YOU KEEP Poultry, Pigeons, Rai Dogs, Birds or Cats, ask for our new Catal MORGAN'S INCUBATOR WORKS, Lor

SHORTHORNS—The beef and butter continuation. Scotch collies from imported stoc Write for particulars. H. C. GRAHAM, All Craig, Ont.

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