Issued Each Week-Only One Dollar a Year

VOL. XXX

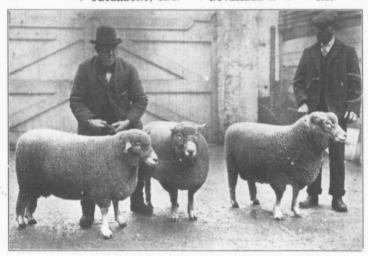
NUMBER 48

# RURALAOME

PETERBORO, ONT.

NOVEMBER 30

1911.



ENGLISH SHEPHERDS FIND SHEEP PROFITABLE EVEN ON THEIR HIGH PRICED LAND

Well bred flocks of sheep are becoming all too rare in Canada. Our farmers have given sheep husbandry so little attention that the value of these "golden hoofed" animals is not realized. In England, however, with higher land values and more expensive feed the sheep is still regarded as one of the most profitable of domestic animals. More well bred flocks of sheep are found in England than in the same area anywhere else in the world. Intelligent breeding and careful management explain the success of the English shepherds. The English bred sheep here illustrated are of a breed little known in this country, the Ryeland.

The breed is found in Herefordshire, England, and is characterized by the fineness

of its fleece.

DEVOTED TO

BETTER FARMING AND
GANADIAN GOUNTRY LIFE

# What Do You Know

# CREAM SEPARATORS?

Do You Know that every important mechanical device has its imitators?

Do You Know that the Simplex Link-Blade Separator has its imitators?

Do You Know that the Simplex is the only separator having the self-centering bearings?

There is considerable you ought to know about separators, and the better you know



The **Simplex** Link= **Blade** 

Note the heavy, compact, construction and convenient height of supply can and discharge spouts. The top of the supply can is only 3 1-2 ft. from the floor.

the better you like it. The better you know some separators the less you like them. There are thousands of satisfied SIM-PLEX users in all parts of the world, which should convince you that The Simplex Link-Blade is still in the lead.

Send to-day for our new illustrated booklet: it's free for the asking

# D. Derbyshire & Company

Head Office and Works: BROCKVILLE, ONT. Branches: PETERBOROUGH, ONT. MONYGRAL and GUERRG, P. O. WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS

LAST OUR PEOPLE TO MEET Your Proposition Face to Face in

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OVER 2000 INCREASE IN CIRCULATION. RATES SAME AS HERETOFORE-PAGE \$47.04; + PAGE \$23.52; + PAGE \$11.78

Adv. Dept., FARM AND DAIRY, Peterboro, Ont .

#### Ship Milk in Baggage Cars

An order has been issued by the Railway Commission that milk Railway Commission that milk be transported in baggage cars upon cer-tain conditions. This is the result of the application made by the Montreal Milk Shippers' Association asking for a reduced rate on milk and an order fixing more advanced and convenient methods of carriage and delivery.

The order sets forth that m

should be transported in baggage cars from now on, on condition that the name or initials of owner, name of shipping station and a shipping tag addressed to consignee be on the can; that the covers be securely attached; cans loaded by shippers at the ship-ping point; empty cans returned by railway company to the shipp point without other charges than the payment of original tolls

Where the number of empty cans 20 or less unloading at the shipping point is to be done by the emwhere more than 20 and less than 40 the shippers are to provide one man to help unload; where more than 40 two men. When trains are 30 min-utes or more late all empties are to be unloaded by employees of the rail-way company. Railways will not be required to accept for transportation capacity than eight gallons, either full or empty. Cans Shippers must have their milk ready 15 minutes before ime of leaving of trains and railway companies will not be liable for damares unless caused by their own neg-

## Thoughts on Many Subjects

Get the habit of hauling manure to the field every day as it is taken from the barn. The sooner manure is spread in the field, the smaller the loss of fertility incurred, and the loss of fertility incurred, and the smaller the amount of labor required to handle it.

to handle it.

Keen the stock comfortable. There is probably no term that signifies more regarding the condition in which stock should be kept than the term, "comfortable"; and if one bears this in mind, and keeps his stock comfortable—that is, not hungry or conditions the condition of the cond comfortable—that is, not nangry or cold, or excited, or standing in an uncomfortable position, or sleeping in an uncomfortable bed, — his returns will be satisfactory.

Visit the school. The boys and girls and the teacher will be greatly pleased and encouraged if you show enough interest in the school to dewords of encouragement to the pupils and teacher will give them increased interest in their work, and increase their enthusiasm for the school and for the community.

Do not fail to attend the Institute held in your community. The Institutes are for you. The men who speak at these for you are to the property of the property Do not fail to attend the Institute

profits and pleasure to you.

The values for seed should be carefully stored where the temperature will be a possible without to we appossible without one with the potatoes. Narrow bins, alightly raised from the floor, and with slatted sides, are much better for storing seed-potatoes than are tight bins. Cellars can often be kept reasonably cool, early in the fall and in the spring, by leaving the windows open at night and closing them in the day-time.

Study and master at least one farm

Study and master at least one farm problem during the leisure time this winter. There is a great deal of reliable information available on nearly

very farm problem, and certainly this information is worth more to ful and systematic study of some prob lem—perhaps some new phase of your work that you are just taking up—may be instrumental in making that industry profitable and interest-

that industry prossesses ing.

There is one delightful thing about farming, which is not true of some other industries, and that is that each farmer is really benefited by the success of his neighbors. In a progressive neighborhood, where good took is kept and where farming is generally profitable, roads and schools are ally profitable, roads and schools are the price of farm land is high batter. The price of farm land is high batter. better, the price of farm land is high-er; and, owing to the fact that a great quantity of farm products is offered for sale, markets are better; boost your neighbours, and by so doing help yourself.

doing help yourself.

We urge that all farmers at this time on sider the matter of the selection on sider the matter of the selection of the s their ability to avoid injury from ease. By grading your seed, you of only have heavy, plump, strong seed, but seed that has in a measure then bred for your particular conditions.

#### Nuggets of Dairy Wisdom

Many bits of dairy wisdom were oken, by Secretary Wilson of the nited States Department of Agri-ulture in his address at the opening of the National Dairy Show in Chi-cago recently. The following are excago recently. The follow tracts from that address:

"When we make the most of our time and acres, we will sell no cow feed to Europeans to maintain their soil fertility and reduce ours as we

"The cow should be bred for milk and fed for milk. Her health and comfort are as important as our own; she provides us a perfect ration from

"Dairying is destined to more and more prominen more and more prominent as a branch of agriculture in this coun-

try. "The dairy cow is one of the m economical producers of human food and can therefore be profitably kept in populous regions where land val-ues are high.

"Tuberculosis is confronting the live stock industry.

A comparatively recent estimate of the Department indicates that on a average more than 10 per cent of the dairy cattle in the United States are affected with tuberculosis.

#### Items of Interest

There is a dearth of teachers of all riculture in Ontario. District Representatives are hard to get, the school at Perth being empty. The demark is great, so successful has been this branch of extension work of the Obtario Department of Agriculture.

The Canadian National Live Steek Records have just got out an indest to stallions recorded in the first volumes of the Clyde Stud Book of Canada. Members of the Clydes of the Clydes Association can secure this index for \$1 a copy, a mere fraction of the cost on application to J. W. Brant. Re cords Dept., Ottawa.

Sir Sanford Fleming has placed b fore the Government a complet statement of his charges in reference to the promotion of the cement me ger and the alleged watering of stoo n that connection. He has deman ed that the whole transaction be sul jected to a searching Government in

Issued Each W

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Feedin D. A. G

How mue sow is prep birth, deper is fed and raises eight than one w a brood sow and she pro-\$2.50. On when one i

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FOR WEEK ENDING NOVEMBER 30, 1911

No. 48

Only \$1.00

a Year

#### Feeding and Management of Sows

D. A. Gaumnitz, University of Minnesota
How much the young porkers, with which the
sow is preparing to present us, are to cost at
birth, depends almost entirely upon the way she
is fed and handled. A sow that produces and
raises eight to 10 pigs is worth a great deal more
than one which gives us only three or four. If
a brood sow costs \$1.0 a year for feed and keep,
and she produces but four pigs, each pig will cost
\$2.50. On the other hand, if she produces eight
wings, they will have cost but \$1.25 each at birth.
When one is growing 100 pigs, the difference between the litters of two groups of sows, respectively averaging as above, yould amount to \$125

Sows are not kept for the purpose of eating feed, merely. Their business is to farrow pigs and to nurse them to a point where they can be fed for market. With this in view, the sow should be so fed and managed as to enable her to do her work to the best advantage. She must be kept in good condition, but without fattening, and should not be permitted to lie around without exercising properly every day. If she is properly handled, and fails to fulfil her duties, the sow has no business on the farm, and the quicker she is found out and disposed of the letter.

#### FEEDING THE SOWS

In feeding a sow, economy in the ration, a supply of the proper nutrients, and each in the proper amount, should be kept constantly in mind. Advantage should be taken of such frequent happenings as that milk can be had at a small price from creameries, or that ground rye is cheaper than shorts, or that corn and oil cake is cheaper than shorts, or that pasture is cheaper than grain. The cost of the ration should always be dealt with most carefully.

The nutrients—found in feed containing the mineral elements, proteids, carbo-hydrates and their equivalents, in varied proportion—should be so fed as to supply a fairly definite proportion of each. The proteids and carbo-hydrates are usually fed in the proportion of one of the former to seven or seven and a half of the latter. Milk, oil-cake, tankuge, soy beans and clover are proteid feels. Shorts stand midway between a proteid and a carbonaceous feel; while barley and corn are carbonaceous in character.

#### KINDS OF FEED

Usually, as many of the farm grains as possible should be fed. Frequently, however, it is much cheaper to use others rather than exclusively farm-produced feeds. Since over-feeding makes brood sows undesirably fat, and since their voracious appetite inclines them to unmusical squealing when they are not full, it has been an approved plan to provide them, when they are not caring for a litter, with feed only moderately nutritious, but as bulky as possible-such, for instance, as contains considerable water. class includes pasture crops of different kinds, roots, clover or alfalfa hay and milk. By the use of these and other bulky feeds, the sow's stomach is distended and she is satisfied, and yet does not fatten up as when concentrated feed like grain is given. The great advantage, therefore, of having posture for brood sows, both during farrowing and after, is clearly seen.

Good supplementary rations, in addition to pastures and roots, are as follows: Four parts of milk, by weight, and one part of corn, shorts alone; corn and shorts, equal parts; six parts corn and one of oil-cake; seven parts corn and one of tankage.

#### AMOUNTS TO PERD

Dry sows that are in good condition and on good pasture need little else. If they are confined to pens—a condition that never should exist on a well-managed farm—such sows will probably do well on .85 lbs. of grain a day, a ext. of sow. When the sow is thin, this amount should be increased to one pound a ext. a day. The larger



Accomplishing Two Objects At Once

Where the manure is not hauled directly to the fields a few hogs in the manure shed will do good work in keeping the manure tamped solid. At the same time the hogs will be making the usual gains in weight.

—Photo furnished by J. H. Grisdale.

allowances ordinarily recommended are practically wasted.

As farrowing time approaches, the bulk of feed should be cut down, less water should be given, and more protein and oily feeds should be fed, so as to keep the sow in a laxative condition. If she is in good condition, light feeding will help keep her so. Exercise in the fresh air, together with the care noted in feeding, should bring her up to farrowing time in fine shape.

#### MANAGEMENT AT FARROWING

Attention to the brood sow at the farrowing time should be especially emphasized. This is an important crisis in the port-producing business, which is to determine the result of many months of feeding and watchfulness. No business man would think of going away and neglecting his affairs at a time when his presence was so imperatively necessary; neither should the pork-producer. The brood sow should always be housed in a warm, comfortable place, if the out-door temperature is not such as to permit her to farrow in the pasture. She should be disturbed as little as possible.

What we ask is a more widespread recognition of the dignity of housekeeping. It has not yet been recognized to any extent as a profession. This is partly our own fault.—Mrs. J. Muldrew, Macdonald College, Que.

### About Rearing Fall Calves

J. R. Westlake, Carleton Co., Ont.

I believe in the maxim of the Dutch herdsmen, who say that the calf should be removed from out of sight of the caw before it has had an opportunity to suck. We find the it is much easier to teach the calf to drink from a pall if it has never received milk in any other manner. As soon as the calf is strong and nicely on its feet, we offer it some of its mother's warm milk. We dip two fingers into the pall and then allow the calf to suck the fingers. In just about three minutes if we handle the calf gently and do not lose our temper we have it drinking quite nicely.

When we first started in dairying one of the biggest mistakes that we made was in keeping the calves thin. We had an idea that a fat calf would never make a dairy cow. We have since decided that while it is not desirable to overload a calf with fat, nevertheless a calf should be in good condition, and the one that has the ability to put on flesh easily will usually have the ability to make lots of milk provided its breeding is right. Our rule is to keep the calf in vigorous growing condition and even if the heifer is fleshy when it freshens it will be in that much better position to give us a good milk flow.

#### A GOOD MARKET FOR MILK

We consider that the milk we feed to the calves returns us more than that which we sell to the city trade. For two weeks they are fed whole milk. At the end of the first week a little ground oats, with the coarse hulls sifted out, is put in the bottom of the pail as soon as they have drunk the milk. They will soon learn to lick at the

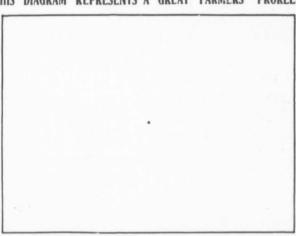
The third week of the calf's life is a gradual change from whole milk to skim milk. By the time that the calf is on skim milk it should be eating a fair amount of grain to make up for what is taken from the milk. Oatmeal with a little cornneal added makes an excellent substitute for the butter fat of the whole milk. We like to have our calves getting skim milk for at least the first five months, but when selling milk at a good price we sometimes cut them off at three months and substitute calf ma.l.

#### DEVELOP DIGESTIVE CAPACITY

We get our calves eating roughage such as roots, ensilage and good clover hay at as early an age as possible. We consider this very important, as it extends and develops the digestive tract and gives the animal good digestive capacity which will stand it in good stead when it comes to converting our rough feed into milk. Good clover hay is an ideal roughage. A little roots are a good regulator. We would not advocate feeding too much ensilage to calves, as it is apt to security.

Calves fed in this manner will make a splendid growth if stabled for their first winter in a clean, dry and fairly warm box stall. We do not raise the spring calves, of which there are not many, as we consider the hot weather of summer a very poor time for rearing calves. We get much better results from our fall calves.

## THIS DIAGRAM REPRESENTS A GREAT FARMERS' PRORLEM



#### WHY DO THE BOYS LEAVE THE FARM?—READ THIS AND FIND OUT

The announcement by Mr. N. W. Rowell, the new Leader of the Liberal party in Ontario, that if elected to power the Liberals will appoint a royal commission to investigate the reason for the depopulation of the rural districts of Ontario, including the reasons why farm land, except in a few sections, is remaining stationary, or is declining in value, while the value of the land in our leading cities is increasing by millions of dollars a year, touches a great problem that vitally affects the interests of the farmers of Ontario. Every time a farmer ships a steer or a bushel of grain to Toronto or to any city, he increases the value of land in that city, especially in the business portion of it. Every time, also, that he buys a plow or some roofing material or anything from a firm in the city he increases land values there by creating labor for the people who make or handle such goods. BUT HE DOES NOT CET THE VAL-UE THAT HE THUS CREATES. THAT ALL COES TO THE FELLOW IN THE CITY WHO OWNS THE LAND, and especially to the fellow who owns land in the business section. There is land in Toronto that is worth approximately \$3,000,000 an acre. Some of this land is increasing in alue at the rate of possibly \$50,000 a year.. BETWEEN 1909 AND 1910 LAND VALUES IN TORONTO INCREASED FROM \$88,090,155 TO \$107,573,664 OR BY \$19,483,509. THIS WENT INTO THE POCKETS OF A COMPARATIVELY FEW PEOPLE AND NONE OF IT TO THE FARMERS OF ONTARIO WHO CREATED MOST OF IT. During the same period the value of the farm land in Ontario stood practically stationary. If land were taxed according to its value on a provincial basis one acre of land in Toronto valued at \$3,000,000, would pay approximately as much taxes as one third of the farm land in the whole county of Dundas, one of the best farming sections in Ontario.

Because land is held at such extreme values in our cities, rents are higher and it costs more to make the goods the farmers buy and to handle the goods the farmers sell. ONE OF THE REASONS WHY THE FARMER CETS ONLY FIVE AND SIX CENTS A POUND FOR HIS BEEF BUT THE CONSUMER HAS TO PAY EIGHTEEN AND TWEN-TY CENTS A POUND TO BUY THE SAME MEAT FROM THE MIDDLEMAN. It costs so much to do business in our cities the middleman has to take a large share of the final selling price if he is going to make ends meet.

This subject is one which the farmers of Ontario have never looked into. they did. FARM AND DAIRY PREDICTS THAT WITHIN THE COURSE OF THE NEXT FEW YEARS THIS WILL BECOME ONE OF THE CREATEST QUESTIONS OF THE DAY. In western Canada, where the farmers are organized as they should be in Ontario, they are taking this question up vigorously. Mr. E. A. Partridge, of Saskatchewan, told the farmers' delegation that went to Ottawa last December that the farmers of Canada have no reason to fear direct taxation, for DIRECT TAXATION OF LAND VALUES WOULD SIMPLY MEAN THAT THE LAND HOLDERS AND LAND SPECULATORS IN WINNIPEC, FOR INSTANCE, WOULD PAY MORE TAXES THAN ALL THE FARMERS IN THE WHOLE PROVINCE OF MANITOBA. In the State of Oregon, where the farmers are organized, they are putting up a tremendous fight. The diagram on this page is taken from a campaign booklet they have issued. The space within the four black lines represents the 184,878 acres in the county of Clackamas, Oregon. As the farmers of that county are now taxed they have to pay \$182,577. If they were taxed on the value of their land they would pay only \$91,169. In other words, they would save \$91,408 in a year. The black dot in the center of the page represents 28 city lots in the city of Portland, Oregon, covering 3 1-5 acres. Under the land value tax system these 28 city lots would pay \$91,399 in taxes, or \$230 more than all the farmers of Clackamas county would pay. The farmers of Clackamas county are asking why they should be so heavily taxed while a few city people escape with light taxes and make fortunes by holding land that the farmers are making more valuable. Isn't it time that we organized and looked into these matters for ourselves? DON'T THINK THAT SUCH A SYSTEM OF TAXATION WOULD HURT THE CITIES. IT WOULD BE A COD-SEND TO EVERY WORKING AND

BUSINESS MAN. IT WOULD HIT ONLY THE LAND HOLDERS WHO NOW CHARGE SUCH EXORBITANT RENTALS FOR THEIR LAND THAT THE WORKING PEOPLE IN THE CITIES FIND IT HARD TO MAKE ENDS MEET WHILE BUSINESS MEN ARE KEPT BACK FROM PUTTING UP FACTOR. IES OR ERECTING STORES BECAUSE OF THE COST OF THE LAND. The fact that Mr. N. W. Rowell, the new Liberal leader in Ontario in his speech at Guelph, offered to appoint a Royal Commission, composed of non-partitan authorities on agriculture, to investigate this whole subject means that this is likely to soon become one of the great political question of the day. Mr. Rowell is a new leader and he is without legislative experience, Premier Whitney has given an honest, capable administration. It is hardly likely, therefore, that the Liberals in Ontario will be elected to power at this election, Mr. Rowell, however, has discovered one of the great reasons why cities prosper while the country districts stagnate. As yet he has done nothing more than promise to investigate it. That investigation, however, if honestly conducted. and we believe that Mr. Rowell is honest, would go far to show how farmers are creating wealth go far to snow now rangers and that other people are reaping, and why the ands of farmers every year leave the farms Ontario. This is a great forward step that Mr. Rowell has taken and the farmers of Ontario should arouse themselves to an appreciation of its importance.

#### **About Those Farm Implements**

J. C. Smith, Wentworth Co., Ont.

"It is better to wear out than rust out." I believe that very few of our farm implements are ever worn out. They are generally rusted out, the little work that we do with them not going far towards ending their usefulness.

When driving home from Hamilton not verlong ago I noticed a couple of binders and numerous other minor implements drawn up very neatly into the corner of the last field they were used in. Most of the implements that I noticed out of doors, however, were in the barn yard in the shade of trees. Here they made good roosting places for the turkeys, but otherwise were just in as good a condition to make their owner poor as the ones left in the field.

I believe that the most of us have at least \$1,000 invested in implements. The average life of implements around the farm is not more than six years kept under ordinary conditions. We have used our binder for 16 years and expect to use it for a good many more. The same applies to our other implements. It is simply a case of giving the implements no opportunity to rust out.

We were once just as careless as the next one, but we had our eyes opened. We started in \* keep our implements under cover. Once we go into the habit, we found it was no more trouble then leaving them in the field. In fact, it is less trouble, for we know just where to look for them, and are not always in trouble with implements out of repair.

We estimate that our implement shed saves us about \$200 a year. This saving is equal to the first cost of the shed, which is a structure 50 feet by 25, with doors on the long side. The imple ments therefore are easy to get in and get out. have seen so many implements lying outside this fall that I am here giving my own experience in the hope that it will induce others to start right now to save themselves about \$200 a year.

It is necessary to keep the stable, as well as the cows, clean and sanitary. We whitewash our stable spring and fall, and sprinkle a little lime in the gutters each day after cleaning. helps to keep down the bad odours.

Where N We would be

value of the fr Canada each y handling repre the value of al in the country learned how t are depending produced to n The important best use of source of fertil

The importa sure to conser but the liquid liquid is two-th and nine-tenth solid portions a ic acid only. which many o source of ferti gine that the tained in the s liquid excreme DETERIORATION

The great b the manur cterial actio ly in the liquid able of all fer go. We have strong smell e pound of nitr of nitrogen, from the time

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#### Where Money is Thrown Away

We would be conservative in stating that the value of the farmyard manure that is wasted in Canada each year through improper methods of handling represents a loss 10 times greater than the value of all of the commercial fertilizers used in the country. We in Canada have not yet learned how to use commercial fertilizers. We are depending a'together on the farmyard manure produced to maintain the fertility of our soils. The importance therefore of making the very best use of this, our principal source of fertility, is evident.

The important part of the manure to conserve is not the solid but the liquid excrement. In the liquid is two-thirds of the nitrogen and nine-tenths of the potash. The solid portions are rich in phosphoric acid only. Yet from the way in which many of us look after this source of fertility, one would imagine that the plant food was contained in the solid rather than the liquid excrement.

DETERIORATION COMMENCES AT ONCE The great loss that takes place

in the manure is due largely to manner illust ly in the liquid portions. Nitrogen, the most valuable of all fertilizing ingredients, is the first to go. We have often noticed in close stables a strong smell of ammonia. Ammonia is a compound of nitrogen and hydrogen. The first loss of nitrogen, therefore, occurs inside of 10 hours from the time the manure leaves the animal.

Just how serious is the loss from holding ma nure in large heaps, even if the heaps are well made, was brought out by an experiment at Cornell University. A large pile of manure was al-

lowed to stand in the open for six months. At the end of that time bacterial action had destroyed 50 per cent. of the dry matter and much more than 50 per cent. of the plant food. In other words, the manure was not worth half as much as if it had been applied directly to the land.

ABSORBENTS FOR THE LIQUID We must first take measures to prevent loss of the liquid excrement in the stable. This is accomplished by the use of plenty of absorbent material in the gutters. The next point is to get the manure to the fields as quickly as possible. Where manure is spread daily the loss is reduced to a minimum. In the field when, under the influence of bacteria, chemical changes do take place the plant food elements that are released

combine again with the materials that make up soil and are held there ready for the use of the

Leaving the manure in small heaps in the field, we regard as a wastefu! practice. There is greater chance for bacterial action in the small heap than in the large one, and much of the fertility is washed out by the rains, and only the land directly under the heap is benefited. Were the heaps left in the field in very cold weather and spread before a soft spell, this loss would, of course, be prevented.

The only place where it is permissible to leave manure in the stable for any length of time is in calf pens. If the calves are well bedded they will keep the manure tramped down, and there will be little loss.

We should remember in spreading manure that the only portion that will be of value to the plant is that which is rendered soluble. Hence the importance of breaking the manure up fine and

spreading it thinly. Ten loads of r anure properly spread will be of as much use to the next erop as 15 or 20 loads thrown around in coarse lumps. Here is the biggest point in favor of the manure spreader. It fines the manure and spreads it in a manner that is impossible with a fork. We believe that on a 50-acre farm a manure spreader would be a profitable investment.

The manure produced on the average 100-acre farm should be valued at at least \$200. On the dairy farm, where the stock is large and the



The Up-to-Date Money Making Way of Spreading Manure

The manure spreader is a money maker on any farm of 50 acres or more in extent. It saves labor, saves manure and makes a hard job easy. The manure being spread so evenly gives greater results per ton when applied with a spreader than when applied in the manner illustrated below.

cattle well fed, the value may be twice or three times that much. We could not afford in milking a cow to let half of the milk go on to the floor and half into the bucket. That, however, is the principle on which too many of us care for our most valuable source of fertility-farm yard manure.—"Bluenose."

### Best Time to Make Money from Cows

Henry Glendinning, Ontario Co., Ont. We are making more money and making it easier by winter dairying than we can by summer



The Out-of-Date Wasteful Method of Handling Manure

The farmer who carries manure directly from the stables to the field is getting greater returns from the manure even if apread in the manner here shown than the one who cleans his yards once or twice a year. The manure spreader is the one additional improvement needed to get the manumur value from the manure. Courtesy I H C

> dairying. A great mistake that is being made by the majority of dairy farmers in Ontario is that they milk the cows in summer to supply the cheese factory and when the factory closes down, they close the cows down.

> We have our cows coming in the year round. We keep them in good condition, we get more milk, and our income is larger in consequence. We would like to have the majority of the calves come in in November.

Of course to make money from winter dairying we must have cheap food. We have this in silage and alfalfa. We do not receive fancy prices for our cream. It goes to the creamery, and we receive the same prices as our neighbors.

The corn crop is one of our most valuable crops. We not only have a great quantity of excellent feed, but the good effect can be seen on the land for several crops following .- Wm. L. Corbett, Middlesex Co., Ont.

#### Demonstrate Scientific Agriculture

(5)

J. C. Todd, Middlesex Co., Ont.

The older I grow the more convinced do I become that the great lack of our farmers is education. Everywhere around us we see out-of-date methods, out-of-date machinery, and most decidedly out-of-date cows sustained on feed that is raised in the most expensive manner. I believe that we have only ourselves to blame for this lack of correct knowledge.

When the Ontario Agricultural College first became well known among us it was quite common to smile at the idea of anyone learning agriculture "in school." The institute lecturers we were pleased to regard as men who dealt in fine theories that they could not put into practice, nor anyone else. Hence it is that having heard good methods expounded to us time and time again, the ideas advanced have rolled off like water from a duck's back.

"YOU HAVE TO SHOW ME"

As I have sat listening to institute lecturers expounding the principles of better agriculture, I have often wondered how it would be possible to get that informaion across to the audience in such a strong and convincing manner that they would go home and practice it. I have concluded that the common saying, "You have to show me," points the way to the solution of the question.

The revolution that has been worked in orchard methods in some sections of Ontario through the demonstration orchard idea is but the working out of the "You have to show me" principle. By taking old and neglected orchards that were not regarded as profitable and making of them the most profitable department of the farm right under the eyes of everybody in the vicinity, the principle has indeed caught the indifferent ones and they are now going after their old orchards with a vengeance. Mr. "You Have to Show Me" has received his answer.

Now I would propose that this scheme be applied to general farming lines as well. Why can not our Government take hold of some run-down farms in poor sections of the country, put a good farmer on them and in a practical way demonstrate the application of scientific principles of agriculture? The experiment need not cost much, as the farms will be self-sustaining, as were the orchards. I believe this idea is worthy of consideration.

#### Notes From Farmers

As work decreases in the fall we drop the rations of our work horses in proportion .- C. C. Elton, Huron Co., Ont.

The cow must have free access to good, clean water at all times, summer and winter. At a trifling cost, the water can be put into the stable either in a trough in front of the cows, or in individual basins .- E. F. Eaton, Colchester Co., NS

Having had many years' experience with land drained, also land undrained, I have no hesitation in saying that land tile drained, will yield sufficient increase of crop over land undrained to pay for the draining in from three to four years. Many have paid for the extra draining in two years .- John Fixter, Macdonald College, Que.

Many have become discouraged with silage be cause cows do not do well when fed on it. cannot expect cows to do well on silage alone. It is to the cow like potatoes are to the familly, very valuable but not enough. They will not do alone. We should aim to grow those feeds that in combination with silage will produce the largest amount of milk at the least cost.—D. Derbyshire, Leeds Co., Ont.

The milk production of cows should be weighed during the entire year. Some cows give good results for a few months and hence obtain a good reputation with the owner that annual records show is undeserved .- C. F. Whitley, In Charge of Records, Ottawa, Ont.

1138

MAPLE

SYRUP MAKERS

in the judging competitions at Chi-cago Live Stock Show; Messrs. Clark McMillan, Stevenson, Toole and Weir. A special order from the United

A special order from the United States Department of Agricultura provides that from now to December 6th, 1911, Canadian sheep may be imported into the United States for exhibition purposes at the National Live Stock Exposition without being subjected to the 30 days quaranting provided they pass a satisfactory in spection at the port of entry and are provided they pass a satisfactory in spection at the port of entry and are owner or importer and a certificate issued by a Canadian official veterinarian. The same applies to other classes of animals.

Wheat by Measure

I have a bin 10 ft. x 7 ft. x 8 ft. How many bushels of wheat will this bin hold\*
-N.R., Darham Co., Ont.
In a bushel of wheat (or of any grain) there are 2150.4 cubic inches.
In the bin centioned are 560 cubic feet, which figures out to 450 tushels.

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classes of animals.

November 30,

If we cut out
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Grain Grinders, Water Boyes, Steel Saw Frames, Pumps, Tanks, Etc. COOLD. SHAPLEY & MUIR CO., LTD. Brantford Winnipeg Calgary

I have three acres of alfalfa, this being its first year. The held is light in the interest of the first held is light in the end, leaving it over the ridge, will the seed there shell and help to re-seed the land to make a thicker stand? Last year I had one acre or new seeded alfalfa. It appeared very thin, so I did not cut at appeared very thin, so I did not cut it until quite late, when it seeded. This spring it was all dead. Was this on ac-count of cutting late and leaving the land bare, or on account of the severe winter?—W.H.C., York Co., Ont.

A considerable percentage of the al-A considerable percentage of the al-falfa seed falling on the soil will ger-minate and produce plants the next season. We have a few instances of season. We have a few instances of this happening on our experimental plots here, and possibly a good many of the old alfalfa fie'ds in Ontario are renovated in this way.

In the second field the crop was rather young to cut for seed. Alfalfa plants are not full grown until the third year, and it would have been better to have let the crop go for another year before cutting for seed. It may have been that there was not sufficient growth before winter set in. and consequently not sufficient winter protection. Lack of good drainage protection. Lack of good drainage may have been the cause of the crop killing out the second year. Alfalfa will frequently grow the first year on land where the drainage is not good, but after the first year, if the water table is too near the surface, it kills out very badly.—W. J. Squirrell, B.S.A., O.A.C., Guelph.

#### Dairy Notes

In spite of what has been published in the farm papers and urged by the dairy schools, there are yet comparatively few farmers who pay any attention to the proper cooling of

Clean, properly cared for milk vessels play an important part in the production of pure and wholesome dairy products. Dirty pails, cans and other dairy utensils mean dirty milk and dirty products.

There should always be a friendly feeling between the cow and her milker. The milker who is gentle with the animals in his charge and who takes time to pet them a little who takes time to pet them a little as he goes about his work will usual-ly get all the milk the udders contain, while, on the other hand, the man who is rough and noisy is certain to lessen the milk flow materially.

The farmer who doesn't use a pure bred dairy bull in his herd will give you every reason but the right one

About Halter Breaking James Armstrong, Wellington Co., Ont.

Ont.

The proper time to halter break the colt is just when it is a few weeks old and easily handled. When riding along a country road in Peel Co., Ont., recently, I saw a sight that gave me the idea for this letter to Farm and Dairy. On one side of a ditch was a big yearling Clydesdale cols with a halter on his head, and on coth with a halter on his head, and on the side of the ditch were three strong men trying to persuade it by strong men trying to persuade it by forcible means that the ditch was neither too wide nor too deep for it to get over. After a great deal of pulling and hauling the colt was forcibly dragged into the ditch and up

cibly dragged into the ditch and up on to the other bank. Had that colt, when two weeks old, been hulter broken it would have fol-lowed anywhere without any diffi-culty. We are laying up trouble for ourselves when we allow a colt to at-tain strength far beyond that of the average man before we start to halter break it. If the young thing learns from the first that man is master there is no further difficulty.

#### Conference of Dairy Experts

The Dominion Conference of Dairy Experts will be held in Ottawa Dec. 6 and 7, 1911. The meetings will be held in the Dairy Commissioner's Of-fice, 7th floor, Canadian Building, Slater street. The program is as fol-

Slater street. The program is as follows:
Wednesday, Dec. 6—Opening remarks by the chairman, J. A. Ruddick, Address of welcome, Hon. Martin Burrell, Minister of Agriculture, Responses, Geo. A. Putnam and J. C. Chaparis, Appointing committees. The Pasteurization of Cheese Factory Whey, Frank Herms. Dr. F. C. Harrisen and Dr. J. G. Rutherford discussion of this paper. "Methods of Paying Patrons of Cheese Factories," Prof. H. H. Dean. Discussion introduced by Geo. H. Barr. "Legislation for the Proper Branding of Whey Butter," G. G. Publow. Discussion introduced by L. A. Zufelt. Thursday, Dec. 7— "Maximum Acidity in Pasteurized Cream," J. D. Leclair. Discussion introduced by C. W. MacDougall. "Testing Cream at Cream Gathered Creameries," J. F. Singleton. Discussion introduced by C. W. MacDougall. "Testing Cream at Cream Gathered Creameries," J. F. Singleton. Discussion introduced by C. W. MacDougall. "Testing Cream at Cream Gathered Creameries," J. F. Singleton. Discussion introduced by C. W. MacDougall. "Testing Cream at Cream Gathered Creameries," J. F. Singleton. Discussion introduced by C. W. MacDougall. "Testing Cream at Cream Gathered Creameries," J. F. Singleton. Discussion introduced by C. W. MacDougall. "Testing Cream at Discussion introduced by C. W. MacDougall." "Testing Cream at Discussion introduced by C. W. MacDougall." "Testing Cream at Discussion introduced by C. W. MacDougall." "Testing Cream at Cream Gathered Creameries," J. F. Singleton. Discussion introduced by C. W. MacDougall." "Testing Cream at Cream Gathered Creameries," J. F. Singleton. Discussion introduced by C. W. MacDougall. "Testing Cream at Cream Gathered Creameries," J. F. Singleton. Discussion introduced by C. W. MacDougall. "Testing Cream at Creameries," J. F. Singleton. Discussion introduced by C. W. MacDougall. "Testing Creameries," J. F. Singleton. Discussion introduced by C. W. MacDougall. "Testing Creameries," J. F. Singleton. Discussion introduced by C. W. MacDougall. "Testing Creameries," J. F. Singleton. Discussion introduc

Gream Gathered Creameries," J. F. Singleton. Discussion introduced by Henry Rive. "The Grading of Cream at Creameries," C. Marker. Discus-sion introduced by W. A. Wilson. Re-ceiving and passing of resolutions.

#### Report of the Country Life Commission

That farming as an industry has not received the recognition in the United received the recognition in the United States that it deserves was the conclusion of the Country. Life Commission produced by the Country Life Country and the Country Life Country and the Country Life Country and the Country and the Country and the Country and made many recommendations for the remedy of these conditions in connection with rural life in that country, and made many recommendations for the remedy of these conditions, to which all who are interested in the welfare of agriculture should give thoughful consideration. The report of this commission will be of interest to Canadian as well as United States readers, as conditions in the lway countries are similar.

States readers, as conditions in the two countries are similar. The report of this commission has now been printed in look form by the Sturgis and Walton Co., of New York. The book is nicely bound in cloth covers. The paper is good, the print large and easily read. All who are interested in farming and the farmer of the state of

## FARM MANAGEMENT why he uses a scrub. The right one is that he hasn't gumption enough to get into better stock. FARM MANAGEMENT

Queries re Alfalfa

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make our many customers see the necessity of
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before sap runs, then expect their goods immedering. Write us today
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SYNOPSIS OF CANADIAN NORTHWEST LAND REGULATIONS
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such, grown or bred on the farm, farmer there thinks of trying to farm will be benefited by the use to a great or cless extent of the different class of roots.

ROOTS FOR HOMBES

There is no class of animal that seems to be so much benefited by the iddition of a small amount of roots bits ration as the borse. It seems to be so much benefited by the iddition of a considerable amount of some the control of turnips to the acro benefit of the control of turnips to the acro benefit of the control of turnips to the acro benefit of the control of turnips to the acro benefit of the control of turnips to the acro benefit of the control of turnips to the acro benefit of the control of turnips to the acro benefit of the control of turnips to the acro benefit of the control of turnips to the acro benefit of the control of turnips to the acro benefit of the control of turnips to the acro benefit of the control of turnips to the acro benefit of the control of the co t and we find every time, mangels and turnips will with more or less pleasure by

they constitute the cheap part of the ration and have the effect of developing the carcase of mutton that commands a high price in England; the best market in the world. — Extract from an address. best market in the

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A "Home-Made" Concrete Sile

I moulds can be secured it is a comparatively simple matter to erect a concrete silo. Mr. W. G. Johnston of Peterboro Co., Ont., erected the silo here shown on his farm without expert assistance. He considers it cheaper than a wooden silo would have been.



ITH a good acre of corn and a silo of ample capacity, the farmer has nothing to fear from the shortage of the hay crop. He need not worry, because he can put in the silo enough of his corn to take care of his stock. The best kind of a silo that the farmer can build is one that will not only keep the ensilage in the most wholesome condition, but will be the most durable and lasting as well. Of all the materials suitable for this purpose, concrete is by far the most practical and durable. A Concrete Silo built of

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COSE IS Cheaper than Wood. Listen to What he Says:

"We put up our cement siio at less expense than a wooden one of the
same size would have cost us. We rented the steel moulds for \$10.00,
and with the assistance of one extra man, we did all the work ourselves.
The silo is 13 feet by 35 feet inside measurement, and would have cost us,
labor and all, about \$200. We used one part of cement to six parts of
gravel. The wall is ten inches thick at the base and six inches at the top,
with reinforcements at every opening. I believe that a much lighter wall
would have been equally good. We have used our cement silo for two
years, and it has given excellent satisfaction. It will neither blow down nor
burn down, and there is no tightening and loosening of hoops as with a
wooden structure. We used a stave silo for six years, and while it answered the purpose very well, it finally blew down, and we decided to put a
cement one in its place."



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#### \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* **HORTICULTURE**

#### Orchard and Garden Notes

Fall plowing of the garden destroys cutworms and other insects, besides getting rid of fall weeds. Lay down and cover raspberries, blackberries and grapes this month. Do this when there is no frost in the

a few shovelfuls of earth against the young apple and plum trees before the ground freezes. This will help keep mice away from the trunks.

Wormy and diseased fruit should not be left on the ground all winter. Many diseases are carried over in manner

Fall plowing in the orchard means arlier cultivation next spring. If ou don't believe in fall plowing, sake a trial of it on one or two rows

is well to delay mulching the strawberry plantation ground freezes. until

To make sure of the grapes, raspo make sure of the grapes, rasp-berries and blackberries wintering successfully, bend them down along the row and cover with earth. Then with the addition of snow they will well protected

Save a few cuttings of grapes for planting next year. Cut the wood in-to pieces having two or three buds, and place in sand or sawdust in a cellar until spring, when they may be

planted out in nursery rows.
Squash and pumpkins should be stored in a dry cellar or building, where the temperature is between 50 and 60 degrees. Only mature speci-mens should be used, and these should be handled carefully to prevent in-

A supply of rhubarb may be had during the winter, if a few clumps are taken up before the ground freezes and put in boxes or on the cellar floor. These clumps may be broken into pieces and covered about one inch deep with soil. Water thoroughly, and keep in the dark, so that only a small leaf surface will be formed; a small leaf surface will be formed. It is well to let the roots freeze until about December 29th.

#### A Plain Talk to Fruit Packers

N. B. Ireland, Sask. Dist., Sask. I notice an editorial in Farm and Dairy of Oct. 26 re "The Fruit Marks Act." Some of my personal exper-iences in purchasing apples and in the complaints of responsible merchants who have been victimized by dishonest fruit packers from On-tario may be of interest to your

Western fruits are here held in western fruits are here held in great esteem. They are neatly wrap-ped and placed in rows in a box hold-rg about one-third of a barrel, and bring a good demand from being uniform in size and true to both grade and name. The Ontario fruit is shipped with name of packer and "supposed" quality marked on the "supposed" quality marked on barrel, but I am sorry to say, when the dealer comes to open the barrel the centre of the barrel "supposed" the dealer comes to open the barrel be finds the centre of the barrel several grades lower than the ends, sad the quantity of bruised fruit from the rough handling, through the fruit being packed in unwieldy barrels is great. A drayman puts a barrel on his back from the dray and throws it down on the floor of the warrelom with a crash that makes werything rattle, with the natural result, bruised fruit. a quantity of

Every person here appreciates the fact that the Ontario fruit is preferable to the western or southern fruits of the same variety. The flavor is of the same variety. The flavor is superior, and we would be willing to buy it in preference to the larger and more highly colored western fruit if we could depend upon getting the quality we order and pay for. We find that the Fruit Marks Act in Ontario is a farce, so far as shipments into this county are concerned, and as a Canadian from Ontario it disgusts me to see the government spend-ing lavishly in an endeavor to build up a trade in England and elsewhere for Canadian produce and neglecting the market under their very eyes, which to-day is sending vast amounts of money to the American side for produce which could and would be bought from our own farmers in On-But we are actually hindered from doing so by dishonest shippers.

There may be some way the present law allows shippers to forward their law allows shippers to forward their cars of packed and marked fruit out here to their own order or address as a number of the Ontario shippers come up here and dispose of their stock personally. If such is the way the law is being evaded, it is time for a change with "hurry up orders."

A CHANGE SUGGESTED

The law should be revised as to forthe law should be revised as to for-bid fruit being packed in a parcel of more than 75 lbs. weight, and with outer package of material, when wood, of board not less than one-quarter inch in thickness to ensure safe transit.

It is an injustice to both the people who would buy and pay a reasonable price for fruit and also the growers in Ontario who have tons of fruit wasted every year, that the law does not compel fruit to be packed in the manner that the Americans have adopted and will give to Ontario some of their

TOMATOES AT 25 CTS. A LB.

Tomatoes are usually sold to the canning companies in Ontario at about 30 cts. a bus., which is in the neighborhood of one-half cent a pound. Here in the last two seasons we have always sold a tomato which is brought from the States of Wash-ington and Oregon, and of very iningoin and oregon, and of very in-ferior quality, for from 12.1-2 to 25 cts. a b. If the Ontario packers would adopt a crate similar to the one used by the American packers they could easily obtain even higher prices than those here quoted as there is no

comparison in quality and flavor.

The trouble is that the Ontario packers insist upon using the old 11-qt. baskets, made of material so thin that, in an endeavor to get them to sustain their own weight when piled in a car, a narrow Loard is placed across the pile at intervals. Imagine the disgust of a merchant when he goes to unload his car and finds the fruit so mushy that the water is standing in pools on the car floor, and when he places them for exhibit on his store floor there is another tell-tale stream.

WORK FOR THE ASSOCIATIONS Why cannot the cooperative asso-ciations make an effort to remedy this needless waste of money? What I have said of tomatoes is also true of other Ontario fruits of every sort. The remedying of the mode of pack-ing would mean the sale of thousands of tons of Ontario fruit that decays in the fields, and for which people here would willingly pay from four cents to 25 cts. a pound.

wareroom with a crash that makes werything rattle, with the natural result, bruised fruit, a quantity of which is unsaleable. This disgusts the merchant, who, naturally enough, decides that it is to his advantage to ke merchant, who, naturally enough, decides that it is to his advantage to ke merchant, who, naturally enough, the editor's pardon for having written and packs in hat piles several tiers high instead of having barrels thrown all over the form the distance comes to help lift them up into the tiers as required.

# POULTRY YARD

hours before killing, so that the crop

hours before killing, so that the crop may be entirely empty. Kill by bleeding in the neck, and pick while the body is warm. In no case should poultry be scalded; web-picked poultry is not wanted in the market and will not bring satisfactory

After poultry is picked take off the of the neckbone, then just before packing, except in warm weather, draw the skin over the end of the neckbone and tie and trim neatly

pulled out clean.

Poultry should be entirely cold, but not frozen, before being packed, as if packed with the animal heat in, it will be almost sure to spoil. No. 1 stock should be of uniform quality and packed in separate packages from No. 2 stock. Put old male turkeys in a separate package or with No. 2

Line boxes with clean paper never use straw in packing, and never wrap the birds in paper. Pack closely back upward, legs out straight, and fill boxes so full that when the covers are nailed on there will be no possibility of the contents shifting.

sibility of the contents snirling.

Boxes are the best package and should contain from 100 to 200 pounds. Larger boxes are inconvenient to handle and more liable to injury.

#### SHIPPING

Mark on the cover the kind, the Mark on the cover the kind, the gross weight and tare. Deception in tares of packages or in packing the poultry is sure to injure the shipper for future business.

for future business.

The address of the firm to which the poultry is shipped should also be marked on the cover, and the initials or shipping mark of the shipper. Full advices and invoice should be sent by first mail after goods are shipped.

#### Green Feed for Hens

J. C. Todd, Middlesex Co., Ont. We find that mangels or beets make good green feed for our poultry. The root is hung up at just such a height that the birds have to jump a few

inches to get at it.

Alfalfa hay or the sweepings from Alfalfa hay or the sweepings from the barn floor where the clover is thrown down from the mow also make good green feed. We keep this feed in a box nailed to the wall of our poultry house. Wire netting with a two-inch mesh over the top of the box prevents our hens from scratching the feed out or of using the boxes for

We do not consider either of these We do not consider either of these feeds, however, as good for the young chickens. Something more tender is needed for them. Sprouted oats with the sprouts one or two inches long make ideal green feed for chickens up to two weeks old. It is too expensive, however, to be fed to them after that was that age

## \*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### To Shippers of Poultry

Poultry should not be fed for 12

head strip the blood out of the neck, pull back the skin and cut off a piece of the neckbone, then just before

neesbone and the and trim neatly.

In drawing the intestines, make the incision as small as possible and leave the gizzard, heart, etc., in.

Wing and tail feathers should be

#### PACKING

C. DAY, Sunnyside Poultry Yards

Toulouse Geese Bronze Turkeys Buff Orpingtons White Leghorns

JOHN C. TAYLOR, KEENE P.O., ONT.

\$3 a Day Sure and we will show your address of the short the business fully; remember we guarantee a come prote of an analys work, absolutely sure, write at come.

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We pay highest prices for all kinds of Feathers, Furs, Hides, Wool, Tallow, Beeswax, etc. Prompt returns. Send for Price List.

CANADA FUR AND FEATHER CO 605 Ontario St. E., Montreal, Que.

## Live and POULTRY WANTED

We are now starting to pack poul-try for the WESTERN CANADA

### Christmas Markets As soon as Your birds are ready

we will buy them. FEED is dear this year and there will be noththis year and there will be nothing gained by holding. Write To-Day for our WEEKLY POULTRY LETTER if you live West of Toronto and have poultry to sell. We supply Crates and Guerantee Prices F.O.B. Your Nearest Station.

We pay a special price for MILK-FED, CRATE-FATTENED CHICKENS

"Canada's Leading Poultry House"

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Fish, Game, Poultry, Eggs and Vegetables 346-352 West Dorchester Street, MONTREAL

## FARM AND DAIRY

AND RURAL HOME

Published by The Rural Publishing Com-



1. FARM AND DAIRY is published every Thursday. It is the official organ of the British Columbia. Manitoba. Eastern and Western Ontario, and Bedford District Quebec, Dairymen's Associations, and of the Canadian Holstein. Ayrahire, and Jer sey Cattle Breeders' Associations.

2. SUBSCRIPTION PRICE, \$1.00 a year

new subscribers.

3. REMITTANCES should be made by Post Office or Money Order, or Registered Letter. Postage stamps accepted for amounts less than \$1.00. On all checks add 20 cents for exchange fee required at

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5. ADVERTISING RATES quoted on application. Copy received up to the Friday preceding the following week's issue. preceding the following weeks issue.

6. WE INVITE FARMERS to write us on any agricultural topic. We are always pleased to receive practical articles.

CIRCULATION STATEMENT

CIRCULATION STATEMENT
The paid subscriptions to Farm and
Dairy exceed 19,506. The actual creatation of each issue, including copies of
paper sent subscriptions and copies of
paper sent subscriptions are accepted at test
from 11,806 to 11,306 copies. No subscriptions are accepted at test than the
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#### OUR PROTECTIVE POLICY

our Protective Policy

We want the readers of Farm and Dairy to feel that they can deal with our advertisers with our plant of the policy of t

## FARM AND DAIRY PETERBORO, ONT.

## EXPENDITURES ON AGRICULTURE

The small expenditures that have been made by the Dominion Government for the advancement of agriculture as compared with the lavish out pouring of public money for other purposes was dwelt upon in the House of Commons last session by Mr. Arthur Gilbert, the Nationalist member for Drummond and Artha-

In forty-four years the expenditures of the Government in subsidies to railways have been \$607,000,000; on militia, \$83,000,000; on bounties on iron and steel, which industries are not one-tenth as important as agriculture, \$17,000,000; and on agriculture, only \$14,464,935.48. Even this sum was not all spent on agriculture as included in the estimate are the expenditures on arts, statistics, civic government and quarantine. This is, as Mr. Gilbert states, a most deplorable state of affairs.

Measures taken for the advancement of the agricultural interests of the country affect more people than expenditures on behalf of any other section of the community.

There is much room for a wise expenditure of much more of the public revenue in behalf of agriculture in the future than has been spent in the Through the Department of nast Agriculture, the Government at Ottawa can do much for the dissemina tion of scientific agricultural know ledge, in the providing of facilities for carrying on of fuller investigation work into agricultural problems and in assisting in the extension of cooperative enterprise in rural dis-

A new Government is now in power in Ottawa. A new Minister is at the head of the Agricultural Department. If the Government truly wishes for the well-being of the people of Canada as a whole, they will give more attention to the agricultural interests than has been the practice in the

#### A MENANCE TO OUR HEALTH

Typhoid fever is more prevalent in rural Ontario than in our cities. This condition of affairs, Dr. W. T. Connell, of Queen's University, attributes sections. In an address before the ronto recently he said:

"Out of one thousand samples well water of Eastern Ontario I found two-thirds of them to be polluted, and in one village eighty per cent of the wells were polluted. In Eastern On-tario nearly all the wells are surface wells, and this accounts for the bad condition of the water. typhoid in our rural districts

of typhoid in rural sections was always a mystery until we began to extake it for granted that in our own to pay for them in the city. well is the best water in the country. The first step that we should take toown minds that it is safe.

and, if possible, on higher ground than are the buildings. Wells should deep to be reached in that way. be covered to keep out vermin. Even then, it is doubtful if shallow wells Mr. Rowell, who is without legislasupplied by surface water can be contive experience, will be the better for can make.

earnest labor.

Don't be ever looking back to some good piece of work you have done. are going to do in the future.

#### AN ADVANCED PROPOSAL

In his speech at Guelph, in which he paid special attention to the agricultural problems of the province, Mr. N. W. Rowell, the new leader of the Liberal party in Ontario, approached the subject of rural depopulation from a distinctly new standpoint as far as either of the political parties of the province are concerned. After calling attention to the general prosperity of the country, as a result of which practically all forms of industry except agriculture have been expanding remarkably, Mr. Rowell pointed out that the value of farm lands in Ontario has been decreasing, while on the other hand the values of land in our leading cities have been increasing by millions of dollars a year.

Mr. Rowell said that while it is true that farmers were receiving more for their farm produce than ever before, he was told that they were being forced to pay more also for practically everything that they buy, and that, in consequence, they were doing little if any better than they were many years ago. These conditions, he said, he had been told were due to the presence of combines, which advanced the price of the goods the farmer has to purchase. The great increase in the value of land in the cities tended to the poor water supply of country also to increase the cost of doing business there by advancing the rents of Women's Institute Convention in To- those who handle the farmers' products and who manufactured the goods the farmer purchases. It also increased the cost of living to the working man, and thereby decreased his purchasing power.

Such conditions, Mr. Rowell con tended, represented a great economic problem that needed to be investigatthan in any of our cities, and the cause of this is that in many cases the wells are too near to the pig pen, the horse stable, or, worse still, the barnyard. ed if the condition of agriculture in mission, with power to investigate Dr. Connell here gives both the these problems thoroughly, and at the cause and the remedy; the prevalence same time to find the reason for the great difference in the price that the farmer receives for his products on amine our well water. Most of us the farm and what the consumer has

In taking this stand, Mr. Rowell has made a distinct departure from wards ensuring the health of ourselves the usual method of dealing with this and our families is to have our well subject. While he is in favor of the water tested for bacterial content, improvement of the common roads of even though we are certain in our the country and of increased grants for the promotion of agricultural edu-There are certain precautions we cation, he shows that he realizes that should take in any case to ensure a these will never tend to prevent the healthy supply of water. The well rural depopulation of Ontario, inasshould be distant from the buildings much as the problem it involves, being economic in character, lies too

While many farmers will hold that sidered safe. A good bored well is the training he would gain by a one of the best investments that we period in opposition, and that Premier Whitney deserves a further term in office because of the honest admini-Theory goes a good way, but it is stration of public affairs that he has effectual only when associated with given, still everyone who is interested in agriculture will appreciate the value of Mr. Rowell's proposal. The problems which Mr. Rowell would have investigated are of vast import-Look ahead to the bigger thing you ance to the farmers of the province. Were they to be examined into, as Guide.

we believe that they will be in tinwe are satisfied that they would yeal a condition of affairs that would lead to far-reaching reforms.

#### INCREASE BY SPECIALIZATION

Mr. C. C. James, Deputy Minister of Agriculture for Ontario, in an a dress before the Canadian Club at Niagara Falls, emphasized the portance of specialization in farm work. He said that the earnings of Ontario farms could be increased by millions of dellars by our farmers specializing in their products. Dairy ing alone, if systematic methods were pursued in selecting cows, would result in millions of dollars of increase in our incomes.

This is an age of specialization So many are the claims made on our intelligence in even one small branch of agriculture that we cannot hope to dabble in all lines of farming and be masters of all.

The greatest improvements that have been made in dairy cattle have been made in such countries as the Channel Islands, in Holland, and certain sections of Scotland where dairy cattle, and dairy cattle only, are kept. So in other lines. best beef cattle come from beef sections, our best horses from horse sec-

We in Canada have been carrying on mixed farming-a little dairying and a little beef. In our endeavors to get both milk and beef we have fallen down between the two and have 3,000-pound cows and inferior cattle for beef. If we are going to stay in dairying, let us specialize on dairying, devote all our energies and abilities to make the most out of that one branch of agriculture and the returns will be larger than from general farm-

The State Legislature of Virginia has set aside a week to be devoted especially to the interests of better roads. The farmers of A Good Roads the State are urged to get together on that

Week

week and discuss the good roads question and to put in part of their time at least in improving such roads as they now have. This idea of a good roads week has been tried in several states of the American Union, and always with most gratifying results. Why notes have a good roads week in Ontario

The farmer who skins his land will be skinned himself in the end.

The Census and Protection.-The dvocates of a protective tarif will
do well to give the census returns
very careful study. What has high
protection done for the farmers of
Ontario, Quebec and the Maritime
Provinces? It has taxed them so
heavily that they are twing to see heavily that they are trying to escape it by moving into the cities or to the West. Where are the great advan-tages of the "home market" that we hear so much of? The Ontario farmer is steadily being driven out of business by the heavy burden placed protective upon him by our protective tariff Protection is huddling the people of Canada into large cities and is de-populating the rural communities of the older provinces.—Grain Growers' How to W The custon pasture duri mon one or xtent in th

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Interest big man w Wel'll ta look in on

RYSHIRE At one ti RYSHIRE DAN DE CHEESE i Hollow, and tain, (Leed His first he made 3

cheese for Next he t first seaml ever sold i arators, an or 12 years SIMPLEX ARATOR, chinery and Supplies.

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Until six gave a line vocate." SHIRE CLUSIVEI DAIRY. Each w

of his Con WELL LARGE S Thus does CO. RECO FARMERS IOR BUY During t

BUSINES INCREAS the last t greatest in of the Canada is Their sales year will 000 to \$30

> WHEN N DERBYSH HE HAS CATER TO ERS! We hav

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How to Winter Horses Cheaply

The custom of running horses out on pasture during the winter is the companion one on the range in most sections of the south and to a certain extent in the corn belt. It is rare, however, in localities such as New England, where the winters are cold. The greatest obstacle to profitable

Interest always centres in a big man who has made good.

Wel'll take, therefore, a brief look in on SENATOR D. DER-BYSHIRE

At one time SENATOR DER-BYSHIRE - then (and now DAN DERBYSHIRE." MADE CHEESE in a factory at Plum Hollow, and later at South Mountain, (Leeds Co., Ont.)

His first launch into business he made 35 years ago, buying cheese for A. AYER & CO.

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Next he took the agency for the first seamless cheese bandage ever sold in Canada. Later he took an agency for Cream Separators, and during the past 10 or 12 years has been handling the SIMPLEX LINK-BLADE SEP-ARATOR, as well as dairy machinery and a full line of Dairy Supplies.

During these many years SEN-ATOR DERBYSHIRE HAS TAKEN A DEEP INTEREST IN DAIRYING. He knows the dairy business from A to Z. HE KNOWS THE DAIRY FARM-ERS. He undersands THEIR FINANCIAL POWER, and since Farm and Dairy was first started as a dairy paper he has advertised his business in every issue.

Until six months ago, when he gave a line contract to the "Advocate," SENATOR DERBY-SHIRE ADVERTISED EX-CLUSIVELY IN FARM AND DAIRY

Each week the advertisement of his Company has appeared in WELL DISPLAYED AND LARGE SPACE on page two. Thus does D. DERBYSHIRE & CO. RECOGNIZE THE DAIRY FARMERS and THEIR SUPER-IOR BUYING POWER.

During the past five years THE \*BUSINESS of this company has INCREASED 50 PER CENT., the last two years showing the greatest increase of all. Possibly of the dairy supply business in Canada is handled by this firm. Their sales of dairy supplies this year will amount to from \$250,-000 to \$300,000.

WHAT DOES IT MEAN WHEN MEN LIKE SENATOR DERBYSHIRE ADVERTISE, AS HE HAS DONE? IT PAYS TO CATER TO THE DAIRY FARM-

We have room, or will make room, to PLACE YOUR BUSI-NESS BEFORE THE DAIRY FARMERS OF CANADA in this

"A Paper Farmers Swear By"

animal husbandry in New England is the necessity of feeding and sheltering live stock during the long winter period. The United States Department of Agriculture has found this a constantly increasing Lill of expense at the Morgan Horse Farm, near Middlebury, Vt., and is devising means to reduce it to a minimum. The control of the cont

were due to foal.

HEMITHY, CHEAP, SATISFACTORY
The first winter's trial was completely satisfactory. The horses had a bed that was roomy, always dry, and free from draughts, and were free to come and go as they wished. No colds or coughs were observed. The horses were undoubtedly better for their winter's outing. The cost of stabling was cut from \$2 to \$1 a head a month, and the cost of attendance

their winters outling. The cox of stabling was cut from \$2 to \$1 a head; a month, and the coxt of attendance from \$3 to \$1 a head; it is possible still further to reduce the latter charge by increasing the latter charge by increasing the theorem and the stable and somewhat more haven and the stable and somewhat more haven been coming winter, the foals of 1911 will run out, having an open shed in an especially well abeltered location. The barn for the brood mares has been enlarged and changed into an open Leshaped shed, facing, south and east. A 190-ton concrete silo has been built in conjunction with this shed, and sliage and through the shed in the shed with the shed and sliage and through the shed in the shed and sliage and timothy hay will make the ration of the brood mares in winter. mares in winter.

FOR THE STALLION TOO

The leading stallion at the farm, General Gates, has for a year been given the run of a tightly-fenced paddock of three-fourths of an acre, to which he has access every day in winwhich he has access every day in winter and day and night during spring, summer and fall. In this time, he has never worn a blanket and has never been in better health or spirits, or more easily handled.

or more easily nandied.

The Department's experience thus far seems to indicate that horses may run out during the winter provided they have a dry bed, sheltered from storms and are given enough to eat, and that the practice will result in a and that the practice will result in a considerable saving in cost of stabling and attendance

MORE EXPERIENCE IN WINTERING MORE EXPERIENCE IN WINTERING
Secretary Wilson says that for 20
years a herd of horses has wintered
outdoors on his lows farm. He puts
the horses in at one year old coming
two. He built a shed for them when
he put them out at first, but found
they would not go into it no matter
how severe the weather was; they preferred to go into a heavily timbered
covered to go into a heavily timbered how severe the weather was, they pre-ferred to go into a heavily timbered ravine, where they got all the shelter they seemed to want. A colt is never taken out until he is to be sold or broken for work.

The hair of the animals grows long and thick and protects them. Unless the snow is too deep horses paw the range for the blue grass, of which there is always abundance in the pasture. It is well known that horses and sheep will paw the snow to reach a s.es, while the bovine does not do this.

I received my pure bred Yorkshire sow pig for securing six new sub-scribers to Farm and Dairy at \$1, and I think it is a dandy.—Mrs. E. Caven, Dufferin Co., Ont.



When the Bluebirds start a-warbling And the Mocking Birds to mock; When the summers here with roses And the sun's the farmer's clock: "When the frost is on the pumpkin And the fodder's in the shock; When snowballs come a-whizzing

And the paths the snow drifts block.

De Laval Cream Separators

> SKIM JUST THE SAME SEND FOR CATALOGUE

THE DE LAVAL SEPARATOR CO.

173-177 Williams St. MONTREAL

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WE'VE GOT AN EXCELLENT PROPOSITION HERE FOR YOU

Every reader of this paper who will before Monday. December 4th send us one new subscription to Farm & Dairy will be given at OUR EXPENSE a whole year's subscription to



## The Canadian Horticulturist

Fruit Growing, Amateur Gardening, Market Gardening, and the Culture of Flowers are dealt with each month in The Canadian Horticulturist.

It will be a boon to you in your Orchard and Garden work.

Your wife will especially delight in it because of the practical nature of the flower culture department.

Your boys will obtain from it an education in all things pertaining to Horticulture.

Get us only one NEW subscription to Farm and Dairy, taken at only \$1.00 a year, and we'll send you The Canadian Horticulturist for a year. You can send it as a Christmas present to a friend, if you wish.

Circulation FARM & DAIRY Peterboro Ontario

equal to yours?

The small trader can connect with possible and trader can connect with possible and the pos

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worthy question concerning soils, crops, pests, ferti-lizer, etc., write to the I H C Service Bureau, and learn what our experts and others have found out concern-ing these subjects.

We want to hear from every reader of the want to hear from the milk flow falls in consequence early in the falling off in the cream supply, however, in the falling off in the cream supply, however, the the falling off in the cream supply, however, the the falling off in the cream from the falling off in the cream supply, however, the falling of the count of the want to eight per out incentive cont to there are few fresh cows. This over as a rule and the prince of the prin

the owner.
When most of the milk and cream when most of the mink and cream is produced in the summer the farmer and his wife have more to look after in the busy season.

If more cream was produced in the

If more cream was produced it winter, would not the milk or cream keep better, owing to cooler weather?

A few suggestions such as this would set our patrons thinking along the right line and help to solve the problem of a winter cream supply.

#### Propagation of Starters

E. S. Guthrie, of the New York Cornell Station, gives the following brief directions for propagating a starter "containing desirable bacteria for the ripening to the products." His advice is so good

for the ripening or souring of dairy products." His advice is as good to give it in full:

Take three one-quart milk bottles or fruit jars. Glass is preferable, as it allows the operator to see when all if the dirt has been removed, and the condition of the curd can easily be inspected through the transparent reall. Three bottles should be employed, for in heating glass is likely to break. break.

Use fresh, clean milk, which must

Use fresh, clean milk, which must have a nice flavor. It may be either whole milk for skimmed milk. Usually it is advisable to use whole milk for it is easier to choose desirable samples before milk has passed through the separator than atterwards. Fill the containers one-half to two-thirds full of milk. If they are filled full, it is difficult in the covers, which was the covers of the covers, which is the covers of the covers. Protect the containers with regular covers.

#### PARTEURIZING

Pasteurizable by heating to 180 deg. to 200 deg. F. for 30 minutes or longer and then cool to a ripening temperature of 60 deg. to 75 deg. F. Pasteurization may be accomplished by tying a string about the necks of the bottles and suspending them in a nail or yet heated by the string about the necks of the bottles and suspending them in a nail or yet heated by the string t pail or vat heated by steam or in kettle or dish heated on a stove. ( kettle or dish heated on a stove. (If pasteurized over a fire, do not let-bottles rest on the bottom of recept-acle.) The temperature should be raised and reduced slowly to prevent breaking the glass.

After pasteurization inoculate the milk in a quiet place where the wind cannot blow dirt and bacteria into cannot blow dirt and bacteria into this clean seed bed. With dry fingers remove the cover and place it in a remove the cover and place it in a bacterially clean spot, as in a recently scalded dipper. Pour in all of the commercial culture or two to 10 per cent from the previous day's culture. Be sure that the curd from the pre-vious day is well broken. After in-oculation, shake the freshly inocu-lated sample to distribute the Lac-teria.

After the starter is ripe, note it at 50 deg. F. or a few degrees lower untitime to use. For best results a starter should not be held longer than a few hours. Do not shake the starter before putting it in storage.

WHAT IS DESIRABLE CURD

Upon examination the curd should Upon examination the curd should be smooth and compact, without gapockets. Gas shows the presence of undesirable bacteria. A hard, lumpy curd, whey, and high acid show the overripe condition, which is very undesirable. After the condition of the curd is noted, shake well to break it curd is noted, shake well to break it into a smooth, lumpless condition. Shake with a rotary motion, being careful not to touch the cap for fear of contamination. Now smell and taste it, but never from the starter container. Always pour some of the curd into a spoon or cup, and then replace the cover immediately. After smelling, it is best to put at least a teaspoonful into the mouth. Seek for a desirable, clean, milk, acid flavo. The first propagation is likely to be somewhat disagreeable, because of the presence of some of the original medium. medium.

In a creamery or a large dairy it is necessary to carry more than a pint or a quart of starter. Along with the mother starter a second starter of 10 to 50 pounds may be carried. After the mother starter in the glass con-tainer is inoculated, the remainder of the previous day's mother starter is poured into the second starter, and the cream is inoculated from the second starter. In large creameries third and fourth starters are carried. Care should be taken in pasteuriza-tion not to cook the milk in these large amounts. In the mother starter this makes little difference.

Usually it is necessary to propagate the mother starter two or three times before the flavor of the commercial culture, which is often very disagreeable, will disappear.

#### "Creamery Butter Making"

The "rule of thumb" butter making days are gone. No one at the present time can hold an important position in the profession of butter making un-less thoroughly grounded in the prin-ciples that underly it. It is true that many obscure problems relative to butter making yet remain to be solved. What knowledge we have up-to-date, however, is set forth in a to-date, however, is set forth in a clear practical manner in the sixth edition of "Creamery Butter Making." written by John Michels, "B.S.A., M.S., a former professor of dairying, a practical butter maker and now editor of the Butter, Cheese and Egg Journal.

In preparing the sixth edition of "Creamery Butter Making" a thorough revision has been made of the entire book, and new chapters have been added dealing with such subjects as creamery ice-cream making, eggs as a creamery sideline, creamery by-products, advice to new butter makers, gasoline power, and the determination of salt in butter.

oculation, shake the freshly inoculated sample to distribute the Lacteria.

Nothing has been left undone to bring the book strictly up-to-date in the commercial culture should be incubated at about 70 deg. to 85 deg. F. The first inoculations require higher temperatures than the large inoculations. By experience an operator can soon learn what inoculation and temperature to use to ripen his starter

# Buy an IHC Cream Harvester Instead of Another

HIGURE up the profit per year and the total profit your average cow pays during her lifetime. FIGURE up the profit per year and the total profit your average cow pays during her liteline. Then get the facts about the profits an H I Clere in the profit and H I Clere in the profit and H I Clere in the facts about the profit and H I Clere in the profit from skim milk, in work and the profit from skim milk, in shown in our catalogues. It won't take you long to see how you could profitably buy an I H C Cream Harvester instead of another cow. The total profits paid by an I H C Cream Harvester will amount to much more. Keeping cows without a sparation will be careful wing wheat without a binder. I would be supported by the careful wing when the profit is the profit is the profit is the careful wing when the profit is the profit is the profit is the profit in the profit is the fact in the fact in the profit is the fact in th Service Bureau

# Dairymaid and Bluebell

These are the only separators with dust-proof and milk-proof gears, which are easily accessible. The frame is entirely protected from wear by phosphor bronze bushings. These separators have large shafts, bushings, and bearings; the flexible top-bearing is subject to the flexible top-bearing is bushings, and others and others and others and others are the flexible top-bearing is subject, it will make more money for you per year, and will last longer than any other separator you could buy. The I H C trade mark should be your guide in buying a cream separator. The I H C local dealer will be glad to point out of the flexible top-bearing the flexible top-b

# WESTERN LAND FOR

In areas to suit purchasers, from 160 acres upwards, situated on or near railways in the Best Wheat, Oat and Stock Growing Districts of

### SASKATCHEWAN AND ALBERTA

250,000 Acres to choose from

Prices low. Terms generous and helpful. Special inducements given actual settlers, and those requiring blocks for colonization purposes.

Write for particulars. Reliable agents wanted in every county.

F. W. HODSON, & CO., TORONTO, ONT. Room 100 Temple Building

Branch Office:-North Battleford, Sask, During 1910 we sold over 133,400 acres; during the past four years we have sold over 400,000.

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Chees Makers ar

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A cheeser ting the e cleanliness of dairy pr dick, of Ne Cleanliness factory. M ers go aro clean apro "We mus liness," said

of Farm as the patron slovenly ma
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FOR SALE TWO CENTS FOR SALE-

cockerels, Springfield, WANTED A I by the yea of factory; Apply to V FOR SALEturkeys; E erels; pric Spencerville

FOR SALE-Bails, Chai etc., all siz stating wh Waste and street, Mon

CREAMERY ery in excellent age, conver ter and di more impo ness. Goo-reply unle M., Farm a

Dec. 1 Exhibits co

> BEEF SHEE

Judging beg and continue

PRAC will be giv various ch seeds, pou Single For Progra

JOHN BRICH Presiden

YOUR JUDGMENT AND Your Neighbors Say Get a SHARPLES **Tubular Cream Separator** 

A cheesemaker who believes in set-ting the example to his patrons in cleanliness and care in the handling of dairy products is Mr. B. A. Red-dick, of Northumberland Co., Ont. Cleanliness prevails everywhere in his factory. Mr. Reddick and his help-ers go around in white coats and

aprons. clean aprons.
"We must set the example in cleanliness," said Mr. Reddick to an editor
of Farm and Dairy when on a visit
to his factory. "You cannot expect
the patron to bring clean milk to a
slovenly maker and a dirty factory.
"The interior of our factory is
painted every spring." When I first in

FOR SALE AND WANT ADVERTISING

TWO CENTS A WORD, CASH WITH ORDER

FOR SALE—Choice Rhode Island Red cockerels, \$1.00 each.—J. H. Mannell, Springfield, Ont.

WANTED A FIRST-CLASS CHEESEMAKER by the year for 1912 to take full charge of factory: must have good references. Apply to W. Fitzpatrick, Belmont, Ont. FOR SALE-Pure bred mammoth bronze

turkeys: Barred Plymouth Rock cock-erels: prices right.-W. T. Ferguson, Spencerville, Ontario.

FOR SALE—Iron Pips, Pulleys, Belting, Rails, Ohain Wire Fencing, Iron Posts, etc., all sisss, very heap. Send for list, stating what you want. The Imperial Waste and Motal Oc., Dept. F.D., Queen street, Montreal

CREAMERY FOR SALE-A modern crear REAMERY FOR SALE—A modern cream-ery in Contral Ontario; plant in excellent repair; first clase stor-age, convenient ice supply, excellent wa-ter and drainage, and what is even more important, a very profitable busi-ness. Good reasons for selling. Don't reply unless you mean business.—Box M. Parm and Dalty.

## ONTARIO? PROVINCIAL WINTER FAIL

## GUELPH Dec. 11 to 15, 1911

Exhibits consist of over 6000 high-class HORSES

BEEF and DAIRY CATTLE SHEEP, SWINE, SEEDS and POULTRY

Judging begins at 8 a.m. Tuesday, Dec. 12 and continues until Friday Afternoon, Dec. 12

PRACTICAL LECTURES will be given on subjects relating to the various classes of live stock, also to seeds, poultry, alfalfa and the conservation of soil moisture.

Single Fare Rates on the Railways) For Programme of Judging and Lectures Apply to the Secretary

JOHN BRICHT MYRTLE STATION

1, 14

A. P. WESTERVELT Secretary
PARLIAMENT BUILDINGS

to get similar ones.

"It is no use in going around and asking patrons to get outfits," said Mr. Reddick. "You must take the outfit along and show it to them, and in that way get them interested. I have quite a few of my patrons in have quite a few of my patrons in send the samples to the factory and I included. The patrons can afford to send the samples to the factory and I test them. One man sold all his cows eration the great boon pateurized

came here there was no paint any where. The facilities for work were mail. I have made full the piping you see around."

Makers are lavited to send contributions to this department, to ask questions on engagest subjustions to the department, to ask questions on engagest subjust to the department, to ask questions on the surface of the profits on the profits of the profits on the profits on the profits of the profits on the profits of the profits on the profits of the

Your Judgment says, "Get the Sharples Balry Judgment says, "Get the Sharples Balry Sharples S



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

FOR SALE Up-to-date cheese factory and dwelling; good well.
One acre land: received \$1.50 per 100 lbs.
cheese for manufacturing. ½ mile to school. Reason for selling—accepted Govern-ment position. This factory runs year round, and receives 8.00 to 9.000 lbs. milk per day in summer. Address

FRED S. HADLER, GREEN LEAF, WIS., U.S.A. R. R. No. 3, Box 6



And Dairy Men to sell our special lines of Nursery stock during the Fall and Winter months. We pay highest commis-sions, furnish free, handsome outfit and supply your outcomers with first-class stock. We engage agents on full or part time. Write at once for particulars. STONE & WELLINGTON.

Nurserymen, Toronto.

# Well MACHINES

Over 70 sisses and styles, for drilling either deep or shallow wells in any kind of soil or rock. Mounted on wheels or on sills. With engines or horse powers. Strong, simple and durable. Any mechanic can operate them easily. Bend for catalog. WILLIAMS BROS., ITHACA, N.Y.



At the Close of a Day's Work in the Cheese Factory

Mr. B. A. Reddick of Northumberiani Co., Ont., is a stickler for cleanliness. His factory, his helpers and he himself must present a clean appearance at all times. It implies the patrons to do their part. This illustration, in which may be seen Mr. Reddick and his two helpers, is from a photo taken by an editor of Farm and Dairy just as the work was being finished for the day.

after he had been testing for a while.

He never told me why he did ao, but Jaz. McHoover, Oxford Co., Ont. I suspect he found out that they were Salt is a preservative and will keep boarders.

Salt is a preservative and will keep boarders.

One of Mr. Reddick's patrons who will be favor of cheese which would other testing.

boarders."

One of Mr. Reddick's patrons who erwise be lost.—A. D. Bell, Perth Holsteins in the county got his first encouragement in cow testing through this maker's efforts.

#### The Influence of the Maker

L. A. Zufelt, Kingston, Ont.

We cannot get away from the personal element if we are to make advancement in the dairy business. We must get to the man behind the vat. must get to the man benind the vac. He is the one who makes the reputa-tion for dairy products. We all know of factories that one season have good cheese and the next have prices slash-

cheese and the next have prices slashed in all directions. It is just the difference in the makers. I am convinced that practically all of the future progress in the dairy industry must come through the makers. Our dairy instructors cannot visit all producers. The maker, however, should know all of his patrons and give them the provent factory in the section, and by nutting in it a good maker with by putting in it a good maker with lots of backbone, we will soon be mak-ing good cheese and getting good

milk.
Such a maker will insist on improvements in the factory. He will go out among the farmers and get their confidence. When he has their confidence they will then take advice on the care of milk. Farmers are amenable to reason. They do not care to be hit in the face inowed on the manual to the state of the state

have not better facilities for the care of milk. They all have barns for forage and tool houses for implements.

AND UPWARD SENT ON TRIAL FULLY GUARANTEED.

goes a long way towards making this profit.—D. Derbyshire, Leeds Co.,

A brand new, well made, easy running, easily cleaned, perfect skimming separator for \$15.95. Skims one quart of milk a minute, warm or cold.

Makes thick or thin cream. Thousands in pro-Skims one quart of milk a minute, warm or cold. Makes thick or thin cream. Thousands in use giving splendid satisfaction. Different from this picture, which 'illustrates our large capacity machines. The bowl is a sanitary marvel and richly illustrated catalog tells all about it. Our wonderfully low prices on all sizes and generous terms of trial will astonish you. Our twenty-year guarantee protects you on every American Separator. Shipments made promptly from 37.10HN, N. B. and TORONTO, UNT. N. B. and TORONTO, ONT. Wh is large or small, get our great some free catalog. ADDRESS

AMERICAN SEPARATOR CO., BAINBRIDGE, N. Y.





THE best help is not to bear the troubles of others for them, but to inspire them with courage and energy to bear their burdens themselves and meet the difficulties of life bravely.-Lubbock. ...

## The Second Chance

(Copyrighted) NELLIE L. McCLUNG Author of "Sowing Seeds in Danny · (Continued from last week)

(Continued from last week)

Pearl, the oldest daughter of John Watson, a C.P.R. section man living in Millford, Man., receives a large sum of money from the relatives of a young Englishman she had watered as a life of the pear of the last of last of the last

Bud Perkins got the minister's horse ready and stood holding it while Mr. Burrell was talking to Roderick Ray, who wanted to be sure how Mr. Burrell stood on election.

She then turned to Mrs. Slater and after Mrs. Burrell had gone to speak Mrs. Motherwell, "It's a bare-Mrs. Motherwell, "It's a bare-said amiably. "You women ought to try to fix it up some. It does look so wind-swept and parched and cheerless." Mrs. Burrell prided herself on her plain speaking.

At this Mrs. Steadman, who was a sill not sign of fall. Slater, she and Libby At this Mrs. Steadman, who was a sill not sign of fall. Slater, she and Libby and the sill she was all the sill she with the sill she was sill not sign of fall. Slater, she and Libby and the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall of the sill she was sill not sign of fall she was sill not sign of sill she was sill not sill she was sill not sill she was sill not sill she wa

At this Mrs. Steadman, who was a large, pompous woman, became as indignant that the cerise roses on ner that fairly hock. "I guess it doesn't keep the children from learning," and said hodly; "and that's mostly what a school is for." At this Mrs. Steadman, who was a

When the conversation was over Mr. Burrell walked over to where Bud a school is for."

"Oh, you are quite wrong, Mrs. Steadman," Mrs. Burrell replied, wondering just how it has happened that she had give the state of Burrell walked over to where But was holding his horse. A sudden impulse seized him. "Bud," he said gently, laying his hand on the bow's shoulder, "I wonder if you are the good ground? I wonder if you are going to let the seed grow?"

But urned and looked the minister but when he for while a fine flush in the seed grow."

"Well, you can have them for yours," Mrs. Steadman said harshly, yours, 'Ars. Steadman and harshiy, narrowing her eyes down to glittering slits. She knew that Mrs. Burrell had no children living; but when Mrs. Steadman's anger rose she tried to say the bitterest thing she could

think of. Mrs. Burrell was silent for a raoment or two. Then she said gently:
"My little girl has them, Mrs. Steadman. She has flowers that never fade, and she needs no shade from trees, for no heat shall fall upon them. I wasn't tinixing of my own. I was thinking of yours and the other children who come here."

"Well, I guess we've done more for he school than anybody else anyway." Mrs. Steadman said loftly. "We pay taxes on nineteen hundred acres of land, and only send two children." Mrs. Burrell was silent for a rao-

Mrs. Slater and Mrs. Motherwell joined the conversation then, and en-deavoured to smooth down Mrs. Steadman's ruffled plumage.

"She ain't going to dictate to us," s. Steadman declared vehemently

never quite forgotten by the Master

On the way home Bud was strange-ly silent, and Martha, with quick intuition, divined the cause. tutton, divined the cause. A great wave of emotion was surging through the boy's heart, a great new love for everyone and everything; he wanted to do something, to suffer, to en-dure. Every ripple that ran over the grain, every note of the robin and meadowlark, the rustle of the leaves above them as they drove through the poplar grove on the school sec-

the popular grove on the school section, were to him the voices of God calling him to loving service.

"Martha," he said suddenly, "I haven't been very good to you, have I, old girl? Lots of times I could have been niger and beload you. I, old girl? Lots of times I could have been nicer and helped you more. I want to be better to von now. I never thought of it before, but I know that I've often let you do things that I might have done myself. I am going to be kinder and better, I hope."

Martha was not ready of speech
"You're all right, Bud," she said.
"I know how you feel, and I'm glad"

CHAPTER XVI

#### SPIRITUAL ADVISORS

When Bud and Martha reached home, Bud went straight to his fa-ther, who was sitting in his stock-inged feet, yawning over a machiner-catalogue. "Dad," he said, "I'm going to be a better boy than I've been." Bud and Martha reached

"How's that, Buddie?" Mr. Per-

kins asked suspiciously.

Bud coloured uncomfortably. "I've made up my mind to be a Christian.

made up my mind to be a Christian. father," he answered, after a pause. "All right, Bud, that's all right," the old man answered, letting the tealogue fall to the floor. "A little religion is a fine thing, and no one should be without it. I'm a religious man myself, Buddie, if anyone should ask you. I can always ask a blessing at the table when there's company—you know that yourself—and I've attended church for years; I

"I am going to never miss goin' the Sunday the Fornever miss goin' the Sunday the Fortry," he said simply.

Mr. Burrell took hold of Bud's hand
and said earnestly: "God only knows
what can be made of a young
man who is willing to try."

Bud's eyes were shining with emotion as he returned the handclasp.
And thus the good seed was sown in
the fertile soil of Bud Perkins's
heart, destined to be cruelly choked
by weeds in the evil days to come, but
never quite forerotten by the Master

"Yes, he's a Methodist," said hon; want to

you such a dandy funeral, no matter who you are you. B Georgel and no questions asked. The graph of the first and the second of meetings at Millford a few years ago.
Well, sir, Brown, the druggist, got
religion and burned up all his pipes
and tobacco; they tell me they were
as fine a stock of briar-roots and
amber mouthpieces as any person
would care to see; people who raked
over the asnes tell me it was a terrible sicht altograther—and he was rible sight altogether—and he was a smart man up to that time, makin' good money sellin' rain-water tor smart man up to that time, makin' good money sellin' rain-water ior medicine. Now, Buddie, go slow. I don't mind you gon't to church and chippin' in your nickel when the plate passes, and it's all right to buy stuff at their sales. I mind when the Church of England ladies raffled off that call. I have the passes. Church of England ladies raffled off that quilt, I bought two ten-cent, throws, and never kicked when I didn't got it. I says: 'Oh, well, it's gone for a good cause.' But don't let them get too strong a hold on you."

you."
"But, father," Bud said earnestly.
"But, father," Bud said earnestly.
"I want to stand up for everything that's right. I want to be straight and honest, and help people, and I've just been thinkin' about it—it's not fair to plug wheat the way we've been doing—it's not right to pretend that it's all first class when there's frozen grain in it'' grain in it.

grain in it."
Thomas Perkins grew serious.
"Buddie, dear," he said, "you're gettin' cluttered up with a lot of bum ideas. A farmer has to hold his own against everybody else. They're all trying to fleece him, and he's got of them if he can. I'm honest tool them if he can. I'm honest to fool them if he can. I'm nonest myself, Bud, you know that; but there's nothing pleases me quite so there's nothing pleases me quite so well as to be able to get eighty-seven cents a bushel for wheat that I would only be gettin' fifty-three for if I hadn't taken a little trouble when I

was fillin' it up."
"But it would make a fellow feel mean to get caught," Bud said, trying to get hold of an argument that would have weight.

would have weight.

"A fellow needn't be caught, Bud.
if he ain't too graspin'. You don't
need to plug every time. They know
blame well when a fellow has some
frozen wheat, and it don't do to draw
in No. 12 offer to No. 1 Northern every in No. nard or No. 1 Northern every time. It's safest to plug it just one grade above what it is, Oh, it's a came, Bud, and it takes a good player Now, son, you run along and bring up the cows, and don't you be worryin' about religion. you be worryin' about telixion.
That's what happened me brother
Jimmy your own poor uncle. He got
all taken up with the Seventh Day
Adventists, and his hired help was
gettin' you Sundays a week—
wouldn't let them work Saturday and
wouldn't let them work Saturday and wouldn't let them work Saturday and they wouldn't work Sunday. Your poor uncle was afraid to let them work on Saturday, for, according to his reliction, you'd be damned if you let your hird help work just the same as if you worked yourself; but same as if you worked yoursel; but he used to say he'd be dammed if he'd let them sit idle and him payin' them big wages, and it was a bad mixeup. I tell you. And then there was old man Redmond; he got religion and began to give back things he said he'd stole—brought back bags to Steadman that he said he stole at a threshin' at my place; but they had Steadman's name on them.

(To be continued)



A Fine Country Home in a Famous Farming Section Brant county, Ontario, is noted for its fine farms, good farmers and splendid farm houses. The new home of Mr. Geo. Wood, here illustrated, is typical of the Brant homes of the best class.

\*\*\*\*\*\*\*\* The U -----

November

Reaping For whatsoev shall be also re

Our spiritua a looking-glass mirror our re us; if we scow return; if we peace with al self shows this mind is p for us to see.

THIS



J. H. Co

OTTA AGENTS W FARM AND

> OLD DON

Capable S Irish maid Parties arr

Apply now. mond Street, St., Toronto,

Reaping What We Sow For whatsoever a man soweth, that shall he also reap.—Galatians 6.7.

Our spiritual nature is much like Our spiritual nature is much like a looking-glass. If we smile into a mirror our reflection smiles back at us; if we scowl, a scowl greets us in return; if we are contented and at peace with all things, our reflected self shows this to be the case. If we are troubled and ill at ease, our state mind is portrayed there plainly for us to see.





ONE DYEFORALL KINDS OF GOO

**CLEAN** and SIMPLE to Use.



dripping wet on the kitchen floor because it is hinged and when open the wat-er drips back into the mach-ine.

J. H. Connor & Son

OTTAWA, ONT.

AGENTS We will pay you well to hustle in your district for new subptions to this practical journal.

FARM AND DAIRY, Peterboro, Ont.

## **OLD COUNTRY** DOMESTICS

Capable Scotch, English and Irish maids; also Danish girls. Parties arriving twice a month.

Apply now. The Guild, 71 Drum-mond Street, Montreal, 47 Pembroke St., Toronto, or 227 Bank St., Ottawa

Recently I read a book in which the author stated that humanity is finding out more and more clearly that each of us make our own heaven and hell here on earth in addition and hell here on earth in acciton to the reward or punishment that awaits us in the hereafter. The drunkard sinks in the respect of his friends sinks in the respect of his friends juist in proportion as he gives way to his appetite for drink. The profane man is shumed by those who would be pure in word and deed. The thief, sooner or later, is suspected and watched even by his friends. The seeker after pleasure loses the power to accomplish more important things and is passed in the struggle of life by others who may have lacked the advantages he possessed.

by others who may have tacked ste-advantages he possessed.

These things are clear to most of us. Not so clear, however, is it that the reward or penalty of our spirit-ual condition is being received or paid by us every day. The man or the woman who starts off the day with scowls and cross words gets them back scows and cross words gets them dack from every side from those with whom they come in contact. Thus the churl-ish nature is paid back what it gives, generally with compound interest and always in kind.

The one, however, who speaks the kind word or does the helpful deed receives in return the gratitude and love of all who come within the influence of their sunny, inspiring disposition.

position.

When we give way to thoughts of worry and doubt and thus reflect in our words and actions the fears that possess us, our friends and acquaintances soon begin to wonder what is wrong with us. They see that we doubt ourselves and our ability to tridoubt ourselves and our ability to tri-lumph over whatever it is that trou-bles us and, therefore, they too begin to doubt and thus, because they lack confidence in us, they are led to with-hold assistance that might be ours hold assistance that might be ours for the asking did we but trust our-selves more. When, on the other hand, we have faith in ourselves and in the God who doeth all things well, our faith proves contagious anen noo grounded in foolish self-conceit—is reflected back by others whose faith in us is measured by our faith in ourselves. Thus true is it that whatsoever we sow—in word and deed, in look and influence—from day to day we also reap.—I.H.N.

#### A Word to Girls

Girls in the country sometimes gro Girls in the country sometimes grow tired of the quiet routine of farm work and long for the excitements and attractions of city life. But life in the city is not the public holiday it seems to the girls on their occasion-al visits to town. Working girls in the city have an infinitely more mondcity have an infinitely more monotonous existence than the country girls ever dreamed of.

girls ever dreamed of.

Country girls get up early and work
hard, it is true. but the picnics they
attend in the summer and the sleigh
rides and parties that enliven their
winter give social recreation and
change, while there is always the
keenest enjoyment for those who know
here a seady action and charge. how to read mother nature's book

Think of spending every working day in a dingy office, writing and ngday in a dingy office, writing anu naturing constantly, with but half a day's vacation in three years, as one girl I know of has done. Think of spending all the hot summer days at a sewing machine in a factory with the ceaseless clatter of hundreds of other machines all about you! Think of walking two miles to work about the same of the sam

Through With It

The baby had just been christened, and the guests were gathered about the dinner table in celebration of the great event.

Four-year-old Ian had, to his great one has seen my collar now, I think ride, been dressed in his new suit I'll take it off." pride, been dressed in his new suit with his first white collar "just like papa's," and held his head bravely high until at the end of the first course in a lull of conversation he began to tug at the collar fastening determin-

In answer to his mother's inquiring glance he said, "Well, mamma, every

"Full many a gem of purest ray

The dark unfathomed caves of ocean hoar

Full many a pesky microbe all unseen In milk, delights in propagating there.

## Be Fair. Buy a sack or barrel before judging **PURITY FLOUR**

SOME people have attempted to judge PUR-ITY FLOUR before knowing the facts about it-before using it. So we ask you to be fair and to buy a sack or barrel of PURITY FLOUR and give it a thorough try-out before

attempting to arrive at a judgment.

Look at the beauty and loftiness of the goldencrusted, snowy-crumbed loaves, fit for a king. Count them and see how many more of them PUR-ITY yields to the barrel than ordinary flour does.

Taste the creamy, flaky pie crust, and the deliciously light cakes PURITY FLOUR rewards

you with. My! How they make yourmouth water!

Such high-class results can only be obtained when using a flour con-

sisting exclusively of the high-grade portions of the best Western hard wheat berries

And remember, that, on account of its extra strength and extra quality, PURITY FLOUR

requires more water when making bread and more shortening when making pastry, than you are accustomed to use with ordinary flour.



# PURITY

"More bread and better bread"

Buy a bag or barrel of PURITY FLOUR. Test it for a week. Then pass judgment.

Add PURITY FLOUR to the grocery list right now.

Household Hints

Scrubbing brushes, if hung in the air, will last twice as long as they would if allowed to lie in a damp place.

Waen sticking labels on canisters with noney to the flour and water paste, and then the paper will not peel off.

After trimming a lamp turn the wicks down, or else when lighted the lamp will be found to be covered with oil.

Steaming is better than boiling for fish, fowl or poultry. All the juices of the meat are retained and nothing is wasted A Larder Hint .- If a ham, a piece

A Larder Hint.—If a ham, a piece of bacon, or some spiced bef is on hand, be sure to turn the daily and put it on a clean tish met daily and put it on a clean tish met. When buying apple the best, also those, which, when pressed with the thumb, yield to it with a slight cracking noise.

A Discolored Teapot.—If your pot is of rough china or pottery you may have some difficulty in getting rid of the stains. Stand ammonia and water in it, and then scrub well with crystal soap. Repeat till clean.

Difficulty is often met with in beat-

sop. Repeat till clean.
Difficulty is often met with in beating whites of eggs, when they absolutely refuse to froth. Do not be discouraged, but for every egg white
add two drops of pure glycerine, then
they will whip quickly to a froth light
and stiff. The glycerine is harmless
and merely has a drying effect, causing the evaporation of moisture from
the egg. It is an excess of moisture
to fresh eggs and they will froth in
half of the usual time required. The
above has been proved by repeated
experiments.

# THE COOK'S CODNED

Respector publication are requested.
Insurince regarding cooking, recipes, etc., glady answered upon request to the Household Editor, Farm and Dalry.
Feterbero, Ont.

Ingredients—Take of equal propor-tions (say 2 cupfuls) milk and flour, 2 eggs, a little salt, butter the size of 2 eggs, a little salt, butter the size of an egg. Mix the salt in the flour, beat the eggs, add to it milk and pour upon the flour; mix well, melt the butter and add to other ingredients; the last thing, grease and half fill the tins; bake quickly.

#### ROCK BISCUITS

Ingredients—One-half a doz. eggs, 1 lb. of white sugar, 9 oz. of flour, one-quarter lb. of currants. Beat the eggs until very light, add the sugar and mix thoroughly; add the flour and mix thoroughly; and the hour and currants, gradually mixing all the time. Place upon greased tins in the form of small pieces of rock. This is best done with a fork. Bake half an hour, and keep in a tin canister.

#### PLAIN LUNCHEON CAKE

Ingredients - One-quarter 1b. butter, 2 oz. of dripping, 3 eggs well butter, 2 oz. of gripping, 3 eggs wen beaten, one-quarter lb. moist sugar, one-quarter lb. of currants, one-quar-ter lb. sultanas, 2 oz. candied peel, three-quarter lb. of flour, 2 teaspoon-fuls of baking powder. Melt the butthree-quarter lb. of flour, 2 teaspoon-fuls of baking powder. Melt the but-ter and dripping in the oven, let it stand till cool, then add the eggs, moist sugar, currants, sultanas and candied peel, cut up finely. Have ready in a separate basin the flour mixed with two teaspoontius of baking powder; and add districted the con-traction of the contract of the con-traction of the contraction of the con-traction of the contract of the con-traction of the contraction of the contraction of the con-traction of the contraction of the contraction of the contraction of the con-traction of the contraction of the contraction of t

CREAM CAKE AND CHOCOLATE

GRAM CAKE AND CHOCOLATE
Ingredients—Two-thirds of a cupful
of butter, 2 cupfuls of white sugar, 4
eggs, one-half glass of milk, 3 cupfuls
and sugar to a cream; add that the butter
and sugar to a cream; and that the surface
of the eggs, well beaten, eggs also well
leaten the white of the eggs also well
the surface of the eggs also well
beaten to the eggs also well
beaten to the eggs also well
desertspond of corn starch, an
egg, a teaspoonful of corn starch, an
egg, a teaspoonful of vanilla, half a
cupful of sugar. Scald the milk; mix
in the corn starch, previously moistened with a little cold milk; pour
over the well beaten eggs and sugar;
allow to remain on the fire until thick,
stirring well. Flavor when cold.

## \*\*\*\*\*\*\*\*\* The Sewing Room

Patterns 10 cents each. Order by number and size. If for children, give age; for adults, give bust mea-sure for waists, and whist measure for skirts. Address all orders to the Pattern was all control to

#### FANCY TUCKED BLOUSE, 7167



The blouse that The blouse that trimmed effective with lace or baring is a pronoung favorite. It is equily well adapted lingerie materia and to the thin stilks

silks.
For the medium For the medium size will be required 21.8 yards of mate-rial 27, 15-8 yards 36 or 44 inches wide with 1 yard of all-over lace 18 inches wide and 31-2 yards bef insertion. This pattern is cut in sizes 34, 36, 38 and 40 inch bust measure.

CHILD'S BONNETS, 7181.



Close fitting bonmee are extremely
becoming to little
children. They app
fashionable also and
they are two modcle, but as the Norquite different as
prets without rewithout rewith or without revers there practical-Close fitting bon

ly are three caps.

For the four year size will be required by yard of material il., 34 yard 5 for the plain cap, .4 yard of the plain cap, .4 yard of the yards of edgen; for the Kormandy cap will be needed with the plain cap and 1.2 yards of yard in the yard of the yard in the yards of 2 and 4 years of age,

#### FANCY APRONS, 6480.



Fancy aprons are always in demand y dainty women. always in demand by dainty women. Here are four, all of Here are four, all of which are charming, yet each of which a simple. In the illustration the police approximate of dotted with the police of dotted approximate with the police of dotted approximate approximate

aprone are made of plain white lawn with trimming of lace.

The quantity of material required for any apron is 1 yard 27 or 86, 74 yard 4 inches with with \$54 yards 200 yards 14 yards 234 yards 244 yards 245 yards 245 yards of edging for pointed apron with yards of edging for pointed apron with out bit. 5 yards of insertion, 3 yards of edging for round apron without pocked of edging for pointed apron without pocked yards of insertion, 5 yards of insertion, 5 yards of the point of edging for round apron without pocked of edging for pointed apron without pocked yards of insertion, 5 yards of learning the point of edging for pointed approximation of the point of the point of the point of the pointed approximation of the point of the point

#### THREE-PIECE SKIRT, 7171



The simple three piece skirt is a produced favorite the season and dan be treated many ways. many ways. This one is just full enough to be graceful and to conform to the latest demand of fashion.

to the nates of mand of fashion of fashion for the control of fashion f

# De sight ting for de Missus Christmas Gift

A woman appreciates a sensible gift from her husband or son at Christmas.

Something that will relieve her of the back-breaking and nerveracking worries of ordinary household duties - something that shows her you really care

## A New Century Washer

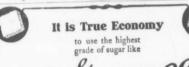
for instance. It sweetens a woman's disposition. It enables her to get cheaper help end keep them longer. It saves the clothes and thoroughly cleanare them, because it forces the water through the fabrics. It prevents disease entering your home from pablic laundries.

Day Philosophy."

At all dealers or direct.

**CUMMER-DOWSWELL** 

Limited HAMILTON, - ONT



# OSt. rence Sugar

It is brilliantly white and sparkling-looks dainty and tempting on the table-and goes further because it is absolutely pure sugar of the finest quality. the test yourself. Compare

"ST. LAWRENCE GRANULATED" with any other.

The St. Lawrence Sugar Refining Co. Limited MONTREAL



## "THE TWEED" SANITARY LIQUID CHEMICAL CLOSET

It is perfectly odorless and with ordinary care and at tention will last for years. Nothing to go wrong or get

out of order.

No self-respecting father or hu-band would permit his wife or children to use a "death trap" after he reads this announcement.

The Tweed Sanitary Liquid Chemical Closet brings health and happiness to all rural dwellers.



A DEATH TRAP The greatest death trap ever invented by man is the unsanitary, draughty and disgusting out-of-doors

disgusting out-of-deers'
closed.

Towns and the control of the con

TWEED CLOSET CO., TWEED, ONT.

November \*\*\*\*\*\* **OUR FA** 

CARDIGAN 1 having fine op about complete turnips is in f luce are good carrots, 40c; be ter, 25c; eggs, siderable produ trade has been LOWER MON

frost or snow. the shipping I getting their a land. They ar is in good de high as \$18. P 46c; butter, ver 850; cottonseed hardly be got

RICH
DANVILLE,
most finished.
have snow ening. Most of
plowing all de plowing all do price. Butter f wide a doz.—M.D COM COMPTON, N

warm weather ing a good ch done. Cattle hard to find t are from \$9 to and two-year-o Pork is going

LENNOXVILI gun in earnest but the ground dition which p hay crop. All ing good price \$10 and \$11 a very scarce an ter is 29c to 3

BRITANNIA heavy snowfall ing, which rest is \$14 to \$15; bag: beef, 5c for hinds; por butter, creame ly fresh, 50c.

ly fresh, 50c.—
HAR
HAR
SIDNEY CR
has been very
are behind wi
hay sells for 8
\$12 to \$14; b
barley, 90c;
creamery butt
25c to 28e; pot
for \$40; hogs,
13c; dressed h
15c.—J. K.

HALII KINMOUNT, their plowing heavy snow ca in years; over

NORTHUI
EDVILLE, N
ers burn coal
who are chas
have plenty
land, yet coal
use and the b on a cold night in earnest.—S

SEED ( of first quality, thy Seed. If you right price for y i-lb. sample of a

GEO. KEI

### ...... **OUR FARMERS' CLUB**

Correspondence Invited

PRINCE EDWARD ISLAND

trade has been fairly brisk.—H.P.
LOWER MONTAGUE, Nov 29.—Weather
conditions have been good: very little
frost or snow, some heavy rain. Most of
the shipping has been done. Some are
getting their apples ready to ship to England. They are a very good cror. Hay
is in good demand, the price being as
high as 818. Potatoes are 46c a bu; oats,
45c, butter, very scarce, 25c, o lickach meal,
55c, cottonseed, 540; bran, 827; eggs can
hardly be gotten, 25c per don.—64.A.

QUEBEC.

OUEBEC.

RICHMOND CO., QUE.

DANYILLES.
DETERMINE is allowed finished. Grain - Threshing Most of the farmers have their plowing all done. Beef is still high in price. Butter from 28t to 50 at lh.; eggs.

gw80e a dox.—M.D.B.

COMPTON, Nov. 13.—We are having fine, warm weather now, and farmers are having a good chance to get their plowing done. Cattle are very high, and it is hard to find them at any price. Caives are from 89 to 85; yearlings, 850 to 85, per single part of the singl

Jugn.-H.G.O.

SHERBROOKE CO., QUE.

LENNOXVILLE, Nov. 23.—Winter has begun in carries, with a good fail of snow, ground the control of the co

ter is 2% to 36c.—H.McF.

ONTARHO

ONTARHO

CARLETON CO., ONT.

BRITANNIA BAY, Nov. 22.—The recent heavy anowfall has made excellent sleigh-leavy anowfall has made to see that the see tha

ly fresh, 50c.—A.D.

SIDNEY CROSSING, Nov. 20.—Weather has been very cold. Farmers generally are behind with fall plowing. Timothy hay sells for \$14 to \$15 a. on; clover hay, sells, on \$14 to \$15 a. on; clover hay, sells, on \$14 to \$15 a. on; clover hay, \$60, onts, \$60, onts

150.—J. K.

HALIBURTON CO., ONT.

KINDOUNT, Nov. 15.—Farmers had their plowing nearly finished when the heavy anow came, the earliest anow atorm in years; over two feet on the level. In some places the drifts were eight feet. It some places were some places with the some places with the places were drifted by the places. See 15.5 to 8.0 a page; suckling colts, 850 to 870. The plg industry is at a stop owing to the low price of pork and high pork, 7c to & places, bed, 71.5c; politation, 81.25 a bag; oat. & &c. has \$1.25\$ a bag; oat. &c. has \$1.25\$ a bag; Oa

a bag; oan., 40c; hay, 510 a ton.

NORTHUMBERLAND CO., ONT.

EDVILLE, Nov. 14.—Many of our farmers burn coal now instead of wood. Many who are changing from wood to coal have plenty of firewood on their own land, yet coal is the most convenient to use and the best to keep the house warm on a cold night. Cold weather has set in in earnest.—S.H.

SEED GRAIN We are in the market to buy of first quality, Oats, Barley, Clover and Timothy Seed. It you have No. I stuff we have the right price for you. Get our quotations. Send the sample of grain, 2-ox, sample of send.

GEO. KEITH & SON, Merchants 124 King St. E., Toronto

PETERBORO CO., ONT.

LAKEFIELD, Nov. 23.—The third annual meeting of the Pine Grove Farmers' Club will be held in the Pine Grove Cheese Factory. Priday evening, December 1st, at 8 of clock. In addition to the election of the series of meetings to be held this coming winter. In addition to the holding of debates and the giving of addresses by local speakers. It is intended to have a number of well-known outside speakers at tend the meetings this winter. At the meetings this winter. At the RSA., of Norwood, ting Mr. Hopkins, BSA., of Norwood, ting Mr. Hopkins, LASSWADE, Nov. 9.—Threadure, is in LASSWADE. Nov. 9.—Threadure, is in the control of t

sentative, will be present
LASSWADE, Nov. 9.—Threshing is just
completed in this locality. Grain is away
below the average of last year, both in
quantity and quality, as the most of it
is very light in weight. Some of the
farmers report an excellent crop of potatoes, but the majority of them have a
light crop. The average will be away
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SIMCOE CO., ONT.

ELMVALE, Nov. 20.—The weather during the past 10 days has been very unpleas. out, rain and snow alternately. Sleighting is excellent in the N.E. portion of the county. Prices of fodder will, for the county. But the county of the county

WENTWORTH CO., ONT.

WENTWORTH CO., ONT.

KIRKWALLA. Nov. 15.—Winter weather has come upon all very suddenly. Not many and the prepared. Considerable plowing had very prepared. Considerable plowing had very supersonable plowing had very supersonable to the very supersonable of the very supersonable to the very supersonable very supersona corn, \$32.
WELLAND CO., ONT.

WELLAND CO., ONT.
WELLAND, Nov. 16.—A plowing match
was held on the farm of Robinson Bros.
at Stamford on Nov. 8th. The ground
was in good condition, the weather was
good and the attendance large. John
good and the attendance large. John
fred Pay, Geo. Nicholl, Russel Stevanson and Wm. Davidson, were the winners of the first prizes in the various
classes for men. In classes for boy under 15. John Embleton was first, and
Pat. Micholan, second.—J. D.
Pat. Micholan, second.—J. D.
Pat. Micholan, second.—J. D.

OXFORD CO., ONT.

OXFORD CO., ONT.

WOODSTOCK, R. R. No. 2.1—We have had snow for a week. Some started treaming, but there was hardly enough for that. Quite a number are preparing to build silos in this section next summer, mostly cement.—G. M. McD.

APPIN MIDLISER CO., OMNINING in of winter has found farmers somewhat unprepared. A fair amount of plowing is done. The feeding season will be long and steady and there is none too much feed on hand. Butcher's stuff is going of in many case quite unfinished. Cheese in many case quite unfinished. Cheese.—O.M.M.

LAMBTON CO., ONT.

LAMBTON CO., ONT.

WYOMING, Nov. 20-Peod of all kinds
will be scarce. All kinds of stock are
selling at the sales at lower prices than
last year. Sugar beets are about all
marketed; the crop is not good. The fall
work is well advanced. This county is
really the fruit grower's paradise and is
proving more so every year. Mr. Barrowman planted 10 acres of very poor
land three years aco last spring to apple
trees with posche filled in between. This
reces with posche filled in between the
D.N.A. That that the writer ever saw.

D.N.A. That that the writer ever saw.

D.N.A. KENT Co., ONT.
WHEATLEY. Nor. 23.—The fall is very
wet. Corn husking is backward, as fields
are in had condition. Fall plowing also
is backward. Pough feed is cacree. The
wet fall destroyed much of the corn fodder. Priese for feed are high. The price
of stock is lower than usual.—J.W.K.

of stock is lower than usual.—J.W.K.

WALKERTON, Nov. 14.—The
covered with snow and the plow is stopped
ly housed. Stock is in fair condition. We
have piently of fodder for the winter.
Prices of cattle and hogs vary a good
deal, but with an upward tendency. Oats.

45c; barley, 55c; wheat, 65c; potatoes, 90c; butter, 26c; eggs, 35c; hay, 815. On account of ao much wet weather the past two or three weeks the roads are in bad condition—3.4.L.

NIPPISSING CO., ONT.

NIPPISSING CO., ONT.
COURLANE, Nov. 22.—Heavy falls of snow have now put an end to farming operations. Root crops are good: demand far exceeds supply. Early in October we held our first agricultural show under the auspiese of Board of Trade. A fine collection of roots were exhibited. Potatose were particularly worthy of note. Ex. hibits included those from Tayler and nabits included those from Tayler and Glachmeyer townships, Groundbog River and Iroquois Falls. Oats and wheat of a good quality were also shown in an ex-hibit from Monteith Experimental Farm. Retail prices: Potatose \$1.65; carrots, \$1.50; turnips, \$1 a sack; butter, \$6c; eggs, \$5e-C, E, 8.

oggs, 36c-C. E. S.

ONTARIO CROP CONDITIONS

The following is a brief synopsis of crops and the synopsis of the crop bulletin for November:

Young what is looking well. Barley is practically free from discoloration, but the bulk of the grain is not as plump as the creals. The dry, hot weather during blossoming caused a great reduction in the pea harvest. Early sown buckwheat caught by freet. Corn will be an average crop. All classes of roots suffered from drought; mangels are the best. Second growth clover was a thin stand and the More attention than ever before is being given to poultry raising on the farm. Farm operations are well advanced. Threshing is completed and plowing is are hard to get. In most sections there is a scarcity of fodder, and but for the corn and the silo conditions would have been serious for winter feeding.

Have you forcotten to renew your sub.

Have you forgotten to renew your sub-scription to Farm and Daily?

(17)



Is Built for Heavy Duty. Neat and Com-pact in Design. Do Perfect Work, Be-cause they are Built on Principles that are absolutely Correct, and the Easiest

Running Mill Made. Running Mill Made.

The wheel is built on a hub revolved on a long stationary steel spindle. As a result, there is less friction, and the hub will never become worn and cause the wheel to sag toward the tower.

"BAKER" wheels have large numbers of small sails, without rivets, as compared with other makes.

The small sails develop the full power of the wind and enable "BAKER" mill to pump in the lightest breeses.

The engine is so constructed that the gears cannot wear out of mesh.

gears cannot wear out of mess.

All working parts are covered with a cast iron shield, thus protecting same from ice and sleet.

We make a full line of Steel Towers, Galvanized Steel Tanks, Pumps, Etc. Write for Catalogue No. 58.

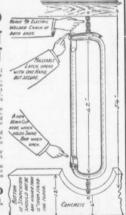
THE HELLER-ALLER CO. WINDSOR

CALVES THEM WITHOUT MILK Steele, Briggs Seed Co., Ltd., Toronto, Ont

## **FACTS** NOT THEORY--ABOUT STABLE EQUIPMENT

When big stables like the Central Experimental Farm, Ottawa, the new barn at Silver Spring bairs Farm, Ottawa, the new barn at Silver Spring bairs Farm, Ottawa, the Erindale Farm at Toronto are cuipped with O.K. Cannadian U. Bar Patented Steel Stanchions, there's a constant of the Contral Control of the C

**CANADIAN POTATO** MACHINERY CO., Ltd. 127 STONE ROAD, GALT., ONT.



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Cards under this head inserted at the rate of \$4.00 a line per year. No card accepted under two lines, nor for less than six months, or 2 insertions during twelve months.

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HAMPSHIRE PIGS—Canadian Champion herd, Boar herd headers, Sowe three months and under—Hastings Bros.

HOLSTEINS—Young stock, for sale Sired by Imperial Pauline Deckl, whose 15 nearest dams average 26.20 lbs. butter in 7 days.—R. W. Walker Utless, Out.

10 7 days.—R. W. Walker Utless, Out.

20 8 7 Maw Worlf Swing Swin

CLYPESDALES—Home of Acme. (Imp.) Holsteins—Home of King Fayne Segis Clothilde, nearest 7 dams 27 lbs. butter-per week, and Broken Welsh Ponies.— R. M. Holtby, G.T.R. & P.O., Manches-ter, Ont. Myrtle, O.P.E.

HOLSTEINS AND TAMWORTHS—All ages also S.C.W. Leghorns. Young stock for sole at any time.—J. McKenzle, Willow dule. Ontario.

TAMWORTH SWINE—Choice stack for sole at all times at reasonable prices. Correspondence invited.—Wm. Keith & Son, Listowel, Ont. Bell phone.

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## MARKET REVIEW AND FORECAST

Toronto, Monday, November 27.—Trade generally has been improving this past week. The volume of business done by wholesale bouses, a good in transacted the business. Who were transacted to the stress who whole province, compares very favorably with the same period last year. The strong market for farm produce is accountable for the buoyancy of trade, which, under similar conditions in other years, would have been buoyancy of trade, which under similar conditions in other years, would have been the same period last of the same period last in the same period last in the same period last of trade in Ontario wheat is full six 67c to 85c outside.

COARSE GRAINS

The coarse grain market is more buoyant of the same period last in wheat, an improved tone in the grain trade and an unexpected break in cattle values.

The coarse grain market is more buoyant and higher prices are recorded in a first limit of the same period last in quality and the same period last in the same period last of the same period last in quality and the same period last in the same period last

values.

The citizens of Winnipeg in their rebellion against the extertionate prices charged them by the cement monopolies now have something definite to work on. Sir Sanford Fleming definite to work on. Sir Sanford Fleming the renewed his charges against the cement merger regarding watered stock and is calling for a government investigation. This investigation was the since the since the since the since the size of the si garding watered stock and is calling for a government investigation. This investi-gation if carried out, will bring to light information that will be of value in ex-plaining the rapid increase in the price of many lines of goods.

#### WHEAT

Favorable reports of the wheat crop in foreign countries that have kept values down for two weeks have now been



How to Completely Cure

farm stock is told in FLEMING'S VEST POCKET ARY ADVISER. Write for this indexed, illustrated 96 page Tells how to cure the dreaded

Fleming's

Gerinary

LUMP JAW

in a safe, quick, easy way. The first successful cure—the one that cures the highest pero age of cases, and the

Fleming's Lump Jaw Cure

FLEMING BROS., - Chemists, 83 Church St., Toronto. 7

The coarse grain market is more buoyant and higher prices and avances being in Canadian Western oats and rye. New corn is selling at 71.26, and No. 3 yellow. 701.26. Malting barley is in Tomorous Canadian Western oats and rye. New corn is selling at 71.26, and No. 3 yellow. 701.26. Malting barley is in Tomorous Canadian Western oats and Tomorous Canadian Canadi to \$1.75.

#### MILL STUFFS

Prices are steady at last week's quota-tions: Manitoba bran, \$25: shorts, \$25: Ontario bran, \$24: shorts, \$25. Montagnic are unchanged: Manitoba bran, \$25: shorts, \$25: Ontario bran, \$23 to \$24: shorts, \$27: MAN AND STRAW

#### HAY AND STRAW

Hay is too scarce to tay long at the low level reached last war. Finest quality hay is agreeded last with the low level reached last was the prices on streak are higher than at any other time this year. No. 1 hay is quoted wholesale at \$15.50 to \$16. inferior. \$11. to \$12.50; baled straw. \$7\$ to \$8. Retail prices for good timothy are \$30. to \$12.50; baled straw. \$7\$ to \$8. Retail prices for good timothy are \$30. to \$12.50; baled straw. \$7\$ to \$8. Retail prices for good timothy are \$30. to \$12.50; \$15. To \$15. To

An average of prices being paid for hides at country points is about as follows: Cared, 11.2a to 12s; green, 19.12b; other states and peits, 60e to 75c; calf skins, 15c and 15c; horse hides, 83.25; and horse hair, 50e to 35c. Quotations on the market here are as follows: No. 1, 12.142c; No. 2, 11.14c; No. 3, 19.12c; calf skins, 13c to 15c.

Wool is quoted as follows: Unwashed 13c to 14c; washed, 19c to 26c; rejects, 15c SEEDS

Prices being paid by dealers are as follows: Alsike, facey, 89,55 to 810; No. 1, 89,25 to 89,90; No. 2, 89; red clover, face 1, No. 1, 10, 50; to 810,75; No. 2, 810,35 to 810,09; timethy, fancy, 87; No. 1, 86,50; No. 2, 86,55;

#### HONEY

Wholesale quotations remain un-changed. Strained clover honey is 10c to 11c in 60-lb. time, 11c to 12c in 5 to 10-lb. tims; buckwheat honey, 6c to 7c in tims

63.4c in barrels. No. 1 comb honey is \$2.25 to \$2.50 a dox.

#### EGGS AND POULTRY

Wholesale quotations for eggs in 30 d a nucesaire quotations for eggs in 30 dox. case lots show a further advance this week of 2c to 5c. Retail prices have advanced 6c. Dealers are paying 5c to 58c a dox. for strictly new laid and 25c to 22c for fresh. On the Farmers' Market eggs are 55c to 56c. The egg market at Montreal is strong, but no advances are

Zee for fresh. On the Farmers' Market eggs are 55c to 66e. The egg market at Montreal is strong, but no advances are recorded. Dealers are paying 26c bered at country points and the strong of the country points of the country of the country points of the country points of the country points of the country of the country points of the country of the cou

#### POTATOES

A further advance of 5c is recorded in potatoes. Grovers who have been hold-the formation of the following supplies will be paid well for their trouble. The condition of the potatom market at present would indicate that if growers had facilities for holding potatoes for a month or two longer still higher prices will be realized. Ontario potatoes are quoted at \$1.30 a beginned to the condition of the potatoes are quoted at \$1.30 a beginned to the condition of the potatoes are quoted at \$1.30 a beginned to the condition of the potatoes are quoted at \$1.00 a beginning track present and the potatoes are discovered to the conditions. The potatoes are described by DAIRY PRODUCE

DAIRY PRODUCE

Prices are unchanged for butter and cheese. The market is strong. The demand from the west is increasing and in England butter is seen to be a considered to the control of the control of

#### HORSES.

Prices on horses are coming down. The demand from the west this year shows a decided decrease, due to the larger use of mechanical power in that country and to an increased production of horses of mechanical power in that county aware to an increased production of the there. Heavy drafters are not as \$200 to \$500; medium collision of the state of the st

#### LIVE STOCK

Cattle values have received a setback of 25c. The outlook a week ago was most favorable for a strong market from now until the first of the year at least. The biggest factor in the dealment of the value of the property of claring that the cattle sent to the market are the poorest that have ever been received there. The large receipts of second rate beeves are attributed to the poor pastures of the fall and the light supply of fodder for winter feed.

supply of fodder for winter feed.
Offerings of strictly first class stuff have been small, but values on highly finished beeves are on a par with those nave neen small, but values on highly finished beeves are on a par with those that ruled the week previous bounds as somewhat was somewhat was somewhat was somewhat when the way to be a support to be a supp

Sheep are down in sympathy with cat-le, ewes being quoted at \$3.50 to \$3.75; ambs, \$5 to \$5.35; bucks and culls, \$3.75 to 84.

To \$4.

Prices being paid by packers for hogs are 55c to 75c lower than a week ago. The large receipts of the last few weeks have filled the packers up. and they have almost as large supplies as they can almost as large supplies as they can almost part of the packers up. and the supplies of the supplies of the packers up. and the packers up. and the packers up. and the packers are the packers and the packers are the packers and the packers are the packers ar

ket.
Biuffalo Live Stock: Prime steers. 87.50
to 87.857. helpping. 86 to 87.55; butchers.
85 to 87.55; butchers.
85 to 85.50; but 85.85; butchers.
85 to 85.50; to 85.85; butchers.
85.50 to 85.55; Vorkers. 85.90 to
85.25; lambs. 85.50 to 85.50; yearlings.
85.75 to 84; ewes. 83 to 83.15.

## MONTREAL HOG MARKET

Montreal, Saturday, Nov. 25.—The ket here this week for live bogs was ket here this week for live bogs was fairly active, and receiples were quickly eleared; in some cases an advance of like to 25c a cwt. on selected tols was and over the prices current last week. The bulk of the sales recorded were mad a \$6.25 a cwt. Dressed hogs are in good demand, and sales of frenk hilled abbusion stock are 'weing made freely at \$7.75 to \$5.25 with country dressed offering at \$8.

#### EXPORT BUTTER AND CHEESE

EXPORT BUTTER AND CHEESE
Montreal, Saturday, Nov. 55.—The sea
Montreal, Saturday, Nov. 55.—The sea
Montreal practically over. Most of the factories are closed, and the few that arstill operating are closing by the end of
this month, and others are going on to
butter making. This sewer going on to
butter making. This sewer going on to
huter making. This were going on to
next week the total will very likely be
less than 10,000 boxes, which should wind
up the receipts for this assaon. Board
meetings were held at Brockvitie, for
quois and one or to day the trockvitie, for
quois and one or to day the trockvitie, for
toned the price paid was 12-36e. At Pe
ton as high as 13-16e was paid. The re
duction in price is entirely due to the ion as high as 15 15c was paid. The reduction in price is entirely due to the fact that the offerings were the end of the season's make, and were green chose and as they would not reach Montreal util after the sailing of the final stemers, and as the rate of freight via is John and other winter ports is much higher, the first cost of these the country has a superior of the country in near to the value of the receives into Montreal this week. The market is firm on Septembers and other receipts into Montreal this week. The market is firm on Septembers and other fancy cheese, and now that navigation is closed the holders of these cheese are determined to get at least cost out of these cheese, and will hold them for an indefinite period in order to obtain the price required.

The market for butter is very firm, or-ing to the great demand from all parts of the country, and quotations of har-to See Fresh receipts are unsatisfaction to 30c. Fresh receipts are unsatisfaction in quality and are quoted at 28c to 29c.

#### CHEESE MARKETS

Brockville, Nov. 23.—1,415 boxes hite. The highest bid was 12 3-4c, a white. The highest bid was 12.34c, a drop of 3.4c from a week ago, and no sale were recorded. An advance of 1.5c was forthcoming on the curb, and on the basis settlements will likely be made for a total of 2.500 boxes.

Montreal, November 21.—The Cooperative Society of the Quebec Cheese Maker old No. 1 cheese for 1313-16c; No. 1

#### GOSSIP

PROGRAM OF LECTURES AT GUELPH The program of the lectures at the Ontario Provincial Winter Fair, Guelph, Dec 11th to 15th, is as follows:

Tuesday evening—"Housing Poultry (illustrated), W. R. Graham, Professor Poultry Department, Guelph; "Marketin Poultry," F. C. Elford, Professor, Poultr Department, Macdonald College, Quebs address, W. A. Brown, Live Stock Brand

Wednesday, 10 a.m.—"Judging Draugh Horses," Bobert B. Smith, Columba "Care of the Pregnant Mare," John Garbouse, Highfield: "Care of the Coli Three Years of Age," John Bright, Mythe

Wednesday, 2.30 p.m.—"Economical Febing of Beef Cattle," J. H. Grisdale, Dire tor, Dominion Experimental Farms, Otwar, Discussion, Thos. McMillan, Sector "Sanitary Stabling of Cattle," Prof. Ge. Day, O.A.C., Guelph.

Wednesday, 7.30 p.m.—Public meeting,

## NEWVERMIFUGE

The best and most effective remedy for Bots and other worms in horses. and other worms in horses.

Be edy (lo., under the Perraper) Horse Bee edy (lo., under the Perraped and Drug-Act, June 10, 1811 and bring from the body deed in from 18 to 24 hours all paworms and bots.

worms and note.
It is absolutely harmless and oan be gren to mares in foal before the sight month. Practical horse over the support of the su

Farmers' Horse Remedy Co., Dept 592 - 7th St., Milwaukee, Wiscon-

## DAIRY COWS BY PUBLIC AUCTION AT TILLSONBURG, ONT. WEDNESDAY, DEC. 6 1911, at 2 o'clock, p. m.

On the above date I will sell my entire herd of high-grade This is an exceptionally fine bunch, having averaged almost 10,000 lbs. of milk per cow in 8 months.

Write for Catalogue which contains individual records. TERMS: Nine months credit on bankable paper ACCOMMODATION FOR THOSE FROM A DISTANCE

MOORE & DEAN,

R. J. BROOKFIELD, Proprietor Tillsonburg, Ont. Novemb HO

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RIFTON: ULS B HI

Fe sell a fe ELIAS RUBY

GLENS from official by Inka 89 Lady Rose of first calf at 3m. after Count Gerbichampion 25 Yele, averagivice a day Here is an

E. B. MALLO RIVER Offers bull o SIRED BY whose 3 nea 30.18 LBS. B lbs. in 30 d breeding, at

"LES V HOLSTEIN at the pail. Fair. They com duction. Bull and ners for sa DR. L. de L.

Lynd Offers two 1910, one of of Brightest of a 20.35 lb. BROWN B FAIRVI

Sons of Privorld's rec Kol 2nd, 37. the sire of records aver by the daus breed livins who also con-traction of the con-traction of the con-dition of the con-sense of Sisson of the lengerveld of the con-traction of

uote prio E. H. DOL

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Herd heion at Gridyke; the make room 3 to 6 year old. We chance for tion invited

#### HOLSTEINS

## **WOODCREST HOLSTEINS**



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A few choice Bull Calves for sale; six to ten months old. Some of Homestead Girl De Kol

Sarcastic Lad, and grand-sons of Pietertje 22nd. Recently tu-berculin tested by a U. S. inspector. Write for pedigrees and prices.

#### WOODCREST FARM RIFTON: ULSTER CO., - - NEW YORK



The Producing Kind

Feed is scarce. I'll have to sell a few at reasonable prices ELIAS RUBY R. R. No. 5 Tavistock, Ont.

GLENSPRINGS HOLSTEINS

GLENSPHINGS HOLSTEINS from officially tested dams. One, sired by Inka Sylva Beets Posch, is out of Lady Rose Gerben, which made with her first call at 3 years 12 bs. butter in 7 d. Im. after calving. Another, sired by Count Gerben, brother of the world's champlon 2 year-old, is out of Dalay Very 1c, averaged over 1,000 hs milk, milked video a day for 3 connecutive years.

Here is an exceptional opportunity to buy a good sire at the right price.

E. B. MALLORY. FRANKFORD, ONT.

#### RIVERVIEW HERD

Offers bull calves from 2 to 10 mos. old SIRED BY KING ISEBELLE WALKER, whose 3 nearest dams and sister average 50.18 LUB. BUTTER IN 7 DAYS and 1157 lbs. in 30 days from dams of likewise breeding, at exceptionally low figure, to make room.
P. J. SALLEY. FACHINE RAPIDS, OUR.

#### "LES CHENAUX FARMS" VAUDREUIL, QUE

HOLSTEINS-Winners-in the ring and at the pail. Gold Medal herd at Ottawa Fair. They combine Conformation and Preduction.

Bull and Heifer Calves from our win

DR. L. de L. HARWOOD, D. BODEN
Prop. Man. Lyndale Holsteins Offers two, young bulls born September. 1919, one of them from a tested daughter of Brightest Canary and sired by a son of a 20.35 lb. yearling daughter of Henger-veld De Kol.

BROWN BROS., - - LYN, ONT

## FAIRVIEW FARMS HERD

FARMS HERD

— 143 FOR SALS—

Sons of Pontiac Korndyke, sire of the (world's record) cow Pontiac (Othlide) be Kol 144, 37 68 lbs. butter in 7 days. 18 lb for the Korndyke and the Committee of the Kol 144, 37 68 lbs. butter in 7 days. 18 lbs. bits 24 lbs. butter 17 days. And sire's dam Colautha 41bb Johanna 85.21 lbs. younges 18 lbs. bits 24 lbs. butter 17 days. And sire's dam Colautha 41bb Johanna 85.21 lbs. younges bull of the breed to sire a lbs. daughter.

Bibs. daughter.

By Bos. dau

which will be given addresses by promin-

which will be given addresses by promin-ent public men

Thursday, 10 a.m.—"Buildings for Swine," J. H. Grisdale; discussion, Prof. Geo. E. Day: "Care, Grading and Market-ing of Wool," W. T. Ritch, Dept. of Agr.,

Ottawa,
Thursday, 2 p.m.—"Hardy Strains of Alfaifa for Ontario," Prof. C. A. Zavitz,
O.A.C.; "Conservation of Soil Moisture,"
Alfred Atkinson, Professor of Agronomy,
Bozeman, Montana; "Feeding AlfaIfa,"
James Douglas, Caledonia; discussion, R. Aneaster

S. Stevenson, Ancaster. Thursday, 8 p.m.—Canadian Seed Grow-ers', Assoc.; "How I Operate my Seed Corn

## MISCELLANEOUS

In order to make room I am offering thirty choice young Tamworth sows and boars from three to five months old, at from 88.00 to 815.00 each f.o.b. Registra-tion and safe delivery guaranteed.

D. J. GIBSON - Newcastle, Ont.

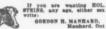
#### HOLSTEINS

## **WELCOME HOME FARM HOLSTEINS**

We have at the head of our herd King Blanche Lyons, whose two grand dams have a seven-day record of over Si and have a seven-day record of over Si and daughters of Pontiac Korndyke, the only sire having two Srib. daughters, and granddaughters of Pietertje Hengerveld Count De Koi, in ealf to a grandson of Colautha 4th Johanna, whose yearly re-ord stands unqualked.

J. LEUZLER and C. BOLLERT CASSEL - - ONT.

#### HOLSTEINS



# GORDON H. MANHARD, Manhard, Ont

# LAKEVIEW HOLSTEINS

Bull call born March 25th 1911, sired by Count Hengerveld Payne De Kol and out of Rose Battler, 24.19 ba, butter in 7 by the same sire and out of Suka Syviad 4th De Kol, 21 bb, butter in 7 days was 30 bb, butter in 3 days. Send for prices on these and several others equally good on these and several others equally good. Telephone. E. F. OSLER, BRONTE, ONT

#### HOMESTEAD HOLSTEIN HERD

Home of Helbon Dekol, Canadian cham pion cow for 7 and 30 days, vis., 31.54 lbs. lbs. butter in 7 days, 128.57 lbs. in 30 days. lbs. butter in 7 days, 123.57 lbs. in 30 days. Herd is headed by Dutchland Colantha fir Abbekerk, whose dam, Tidy Paulline Dekol, made 244 lbs. butter 7 days, and sire's dam Colantha 4th's Johanns 852 lbs. in 7 days, 1,347 lbs. in 1 year. We have the choicest young bulls we sever had coffer. Better speak early if you want

## RIVERSIDE HOLSTEINS

Herd headed by Prince De Kol Posch: dam was champlen two years in succession at Guelph, dairy test. Our new herd bull is King Johanna Pontiar Korricke: the records of dam and two nearest dams on sire's elde average 212. To the work of the contract of the

J. W. RICHARDSON, CALEDONIA, ONT.

Plot." T. J. Shepley, Ourry, Ont.; "Some Observations as a Judge in Competitions of Standing Fields of Seed Corn." J. H. Coatsworth. Ruthven. Ont.; "The Commercial Handling and Storing of Seed Foatose." Wm. Naismith, Falkenburg, Ont.; discussion, Alfred Intelhison, Mount For and Alsike Seed Production in Ontario." Dr. M. O. Malte, Seed Branch, Ottawa: "The Commercial Handling of Registered Seed and the measures taken to maintain and safeguard the high standards set by this Association," L. H. Newman, See Units Association," L. H. Newman, Seed pranch, Ottawa: Old Plot Inspection Work," T. G. Raynor, Seed Franch, Ottawa:

#### HOLSTEIN-FRIESIAN NEWS

Farm and Dairy is the official organ of The Canadian Holstein-Friesian Association, all of whose members are readers of the paper. Members of the Association are invited to send items of interest to Holstein breeders for publication in this column.

FINE BUNCH OF GRADE HOLSTRINS.
In another column will be found an advertisement of a sale of his rande flot.
This column is a sale of his rande flot.
This column is a sale of his rande flot.
This column is the sale of 18 high-producing dairy cows will be sold by public auction at Primrose Park Stock Farm, one and a half miles west of This sonburg, on Wednesday, bee 6th 1911 at 6 of T.R. C. P.R. and the Wabash.
As individual records of these cows have been kept, there is no doubt as to their quality. The catalogue gives each with the value of milk produced. These records range from almost 11,000 to 3,000 line. a cow for eight months. One of the cows, "Lill," was pronounced by Prof. Dean of Gulph as "a period by Prof. Dean of Gulph as "a period type decoration," and after certainly has a record of 400. FINE BUNCH OF GRADE HOLSTEINS

dairy cow," and she certainly has made good.

A three-year-old has a record of 9,318 hs, for eight months, which is not counting the first two mouths of her milk, as the second of 1,000 his second are all young, their ares ranging from three to six years. They are in the pink of condition, and all have large, square, well-balanced udders, and certainly look the kind to accome the purched helstein bull, Tiddy Prince Faforti Edn, No. 1022, and the most of them will freshen in January and Pebruary. Tiddy Prince Faforti Edn, Son 1022, and the most of them will reshed in January and Pebruary. Tiddy Prince Faforti Edn, Son 1022, and the most of them will reshed in January and Pebruary. Tiddy Prince in January and Pebruary. Tiddy Prince in Tadray. This sare dam and grand dam averaged Si lbs. butter in 7 days. This is a fine bull, rising two years old, nicely marked.

There is also to be been deat at the sale.

years old, nicely marked.

There is also to be offered at this sale
a fine pair of roadsters, four and five
years old, full brother and sizer, sived
They have plenty of speed for the road
and great action, and are mated in every
way. This pair won second prize at the
Western Pair at London in the roadster
class, and sevented would certainly do well
to send for a catalogue and attend the send for a catalogue and attend the

CHRIS. EDMONSON'S SALE

The auction sale of Holstein cattle beld at the farm of Chris. Edmondscattle Noral termination of the Christopher of the

MALES
MALES
Netherland Aaggie Prince, J. E. Walker, Tuscarora, \$50, Sir Netherland Spink,
8 mos., R. Fonger, Brantford, \$50, Prinus
Johannah DeKol, 8 mos., T. E. Agnew,
\$42.50.

## AYRSHIRES





#### SUNNYSIDE AYRSHIRES.

Imported and home bred, are of the choicest breeding, of good type and have been selected for production THREF young buils dropped this fall, sired by "Nether Hall Good-time"—2564—[imp.-as well as a few females of various age, for asle. Write or come and see.

J. W. LOGAN, Howick Station, Que

AYRSHIRES FOR SALE We are offering seven months old and one free Calves are the controlled to the cont

#### CITY VIEW AYRSHIRES.

R. O. P. cows and two-year-old heifers for sale; one yearling bull and a fine lot of 1911 bull calves. Prices reasonable. JAMES BEGG, R. R. No. 1, St. Thomas

#### BURNSIDE AYRSHIRES JUST LANDED

12 Bulls fit for service, Scotch winners. 4 2 year old heifers, all bred to treshen in Sept-and Oct. They are a grand strong lot of useful heifers with good teats. Also a few good year.

P. P. NEGS. HOWICK, OUR

## **Ayrshires and Yorkshires**

FOR SALE—High class Ayrshires, all ages, including three bulls fit for service. Yorkshire pigs, all ages. First prise boar and sows 18 months old. Apply to ROBERT SINTON HON. W. OWENS,

Riverside Farm, Montebello, Que

THE SPRINGBANK HERD OF AYRSHIRES Contain more World's Champion milk and butter producers than any other herd in America. A few choice buil calves from record breaking dams for sale at reason-able prices. Address

A. S TURNER & SON, Ryckman's Corners, Ont. 3 miles south of Hamilton.

#### **Ayrshires**

World's Champion berd for milk and production. Some young bulls and bull caives, all from B.O.P. cowe for sale. A grandson of Primrose of Tanglewyld in the lot. Address

WOODDISSE BROS., Tanglewyld Farm ROTHSAY, ONTARIO

#### **CHOICE AYRSHIRES** Are Bred at "CHERRY BANK"

A few young bull calves for sale. Write for prices. P. D. McARTHUR, North Georgetown

### Howick Station on G. T. By RAVENSDALE STOCK FARM

Ayrshires, Clydesdales, Yorkshires A few very choice Bull Calves, out of deep milking dams, and sired by "Bencheskie Cheer-ful Boy" (Imp). Write now and secure first choice. Females of all ages. A Commercial

W. F. KAY, PHILIPSBURG, QUE

## LAKESIDE AYRSHIRES

We have a number of fine young bulls of different ages, all sired by our imported bull and the majority of them from dams entered or qualified for the record of performance. To make room for the winter we are prepared to offer these at attractive prices.

LAKESIDE FARM, PHILIPSBURG, QUE GEO. H. MONTGOMERY, Prop. 164 St. James St., Montreal (20)

# Get in Touch With SANTA CLAUS Through THE SIMPSON STORE

Here are a few examples of Delivery-paid Christmas Gifts that are unbeatable value. But Remember, NOW is the time to order.



#### GOLD-FILLED, ROMAN-FIN-ISHED CUFF LINKS

B-9321—Here's wonderful value. Make sure of securing a pair or two for personal use or Xmas gifts by sending your order right away. Gold-filled, Roman-innisned Cuff Links, on which we will engrave any monogram free of charge. Sent to you in a dainty velvet-lined box, all Christmas giving. Price, per pair. delivered .....



F-9319—Women's fine imported real French kid gloves, made by experienced glove makers from good quality skins; oversewn seams, gussett finge s, 2 dome fasteners, perfect fitting. Black and tan in state 51½ to 71½. White, mode, grey green, any or brown, in sizes 51½ to 71½. Regular \$1.00. Price, per pair, delivered



B-9320—Drop Earrings for unpierced ears, with lovely creamy pearls of rare lustre. Sent to you in a gift case of velvet. Price, per pair, delivered .....



A-9316-Give the children on your Christmas list 



WOMEN'S PARISIAN IVORY TOILET SETS . .

HT-9322—The regular value of this excellent Toilet Set is \$4.00. The Parisian ivory hair brush has concaved back on which are firmly fixed tong white stifl bristles. Comb to match. Sent to you in a concaved back on which are firmly fix stiff bristles. Comb to match. Sent pretty gift box, lined with satin and covered with imitation crocodile or black leatherette. Order at once.

Price, delivered ...



BS-9318—Make somebody happy the Christmas by giving them one of these silver-plated pudding dishes. It is one of our best values selected from our large assortment of these desirable dishes. Satin and bright finish with fancy border and handles, separate removable lining.

5.00 Order carly.



A-9315 – Women's Irish Linen (In itial) Handkerchiefs with ¼-inch hemstitched borders, hand-embroidered initial and small conventional 



BS-9317—If you want to give a present that will be appreciated for a lifetime, give one of these four-piece, silver-plated Tea Sets, consisting of teapot, cream jug, sugar bowl and spoon-holder. The cream jug and sugar bowl are gold lined. All four pieces are satin finished, beautifully engraved and with burnished centres. Unlike the bright, the satin finish does not show scratches so quickly. Price, delivered.



A-9314-Give the men and boys a year's supply of these white mercer ized kerchiefs. Fancy colored bord ers of blue, brown, pink, sky and mauve; also navy and white. Prices, delivered, 4 for 25c.; better quality 3 for 25c.; best quality, 2 for 25c

We publish no Christmas Catalogue this year, but our Fall and Winter one is crowded with Christmas suggestions. A post card will bring it. Whether you order fifty cents' or fifty dollars' worth of goods, WE PAY ALL DELIVERY CHARGES.

TORONTO