Agricultural Students Conduct Cooperative Business---See page 3

# DEVOTED TO Peterboro, Ont., Feb. 26, 191



# Never put off until to-morrow what you can do to-day

Time waits for no man, you know, so don't neglect to take a look over your dairy, cheese factory, or creamery, as the case may be, before the busy season commences, and jot down the articles you will need.

Possibly you will want a "Simplex" Separator, B-L-K Milker, a Cheese Vat, a "Simplex" Combined Churn and Butter Worker, or a score of other things.

Better write to-day for full description and special information about any machine you may require.

Bear in mind that we keep in stock, Cream Ripeners, Pasteurizers, Milk Coolers and Heaters, Sanitary Steam Milk Pumps, Sanitary Pipe Fittings, Bottle Washers, Testers, and in fact everything the up-to-date Dairyman needs.

Our "Dominion Cleanser" keeps things "spick and span."

## D. Derbyshire & Co.

Head Office and Works - - - BROCKVILLE, ONT.

Branches: PETERBOROUGH. ONT. MONTREAL and QUEBEC, P. Q.

WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS

# They Are Looking For Them NOW

BIC dairy breeders who find it necessary to change their herd sires are out to find suitable ones now.

THERE are scores of herds that will have new leaders next year. Perhaps yours is one of them. You may be demanding one of some special breeding or type to "nick" in with your females, or you may have one of these for sale.

MOW do you propose to get him into the hands of your fellow-breeder who needs him? He doesn't know your herd, or what you have for sale—but a small advertisement fixed up now costs you only \$1.40 per inch, and will take you to 17,000 other breeders.

Let Farm and Dairy help you to sell your surplus. We want you to get results, too, or you wouldn't stay with us. Anything that helps us in advertising has got to help us FiRST. Let us help you to sell your surplus stuff—cattle, horses, swine, poultry, etc. Drop us a line to-night.

ADVERTISING DEPARTMENT

Farm and Dairy - Peterboro, Ont.

### The Farmers and The Government

They Tell Premier Borden and Members of his Cabinet What is Causing the High Cost of Living and Rural Depopulation

Burdens on the Farmer—Remedies Suggested. What do You Think of Them?

A practical farmer, in his early thrites, Mr. E. C. Drury, of Simoze County, Ont., speaking on behalf of the organized farmers of Canada, recently held the wrapt attention of Right Hon. R. L. Borden, Prime Minister of Canada, and distinguished members of his Cabinet, for upwards of an hour while he unfolded to them, simply and clearly, some of the reasons for rural depopulation and the high cost of living. Throughout they plied him with questions. These he answered clearly. At the close the Premier seemed loath to have him cease. The reason was apparent. Mr. Drury was master of his subject.

Mr. Drury's claim was that rural.

depopulation is a result largely of the high protective tariff first imposed in 1878 and maintained ever since by both Conservative and Liberal Governments. This, he asserted, has increased the cost to the farmer of everything he must buy, including labor and machinery. The price of what he has had to sell has not been affected. This has placed an unfair burden on the farmer, it has enabled men engaged in protected industries to make undue profits and has led many farmers to leave the less profitable for the more profitable industries. This has had the effect of reducing farm population to a point where farmers can no longer supply the city population with enough food products, especially those requiring products, especially those requiring cutosmann and constitutes the problem of the high cost of living.

As a remedy Mr. Druy recommend of

As a remedy Mr. Drury recommended that the tariff should be reduced on many articles purchased by farmers, including agricultural implements, and that the British Preference should be increased until within five years there shall be complete free trade between Canada and the Mother Land.

THE OCCASION

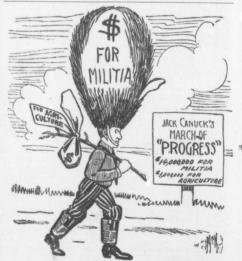
Mr. Drury appeared before the Government as a member of the farmers' deputation which waited on the Government in Ottawa during December. The deputation represented the farmers' associations of Ontario and the three prairie provinces. Other members of the deputation spoke. They asked for other concessions on behalf of the farmers of Canada. It fell to 'Mr. Drury's lot urge reductions in the tariff as it affects the farmer.

farmer.

The members of the Cabinet present included Hon. W. T. White, Finance Minister: Hon. Martin Burrell, Minister of Agriculture; Hon. Geo. E. Foster, Minister of Trade and Customs; Hon. Robert Rogers, Hon. L. P. Pelletier, Hon. J. D. Hazen, Hon. A. E. Kemp, and other distinguished men, including members of the Senate and House of Commons.

"No one whose eyes are open," said Mr. Drury in opening, "but must admit that we are facing a serious crisis, as shown by the steadily increasing cost of living. This has not been caused by any recent events. Instead, it is due to conditions that have been developing during the past 30 years.

30 years.
"When we examine prices we find that the primary products of the (Continued on page 14)



As a Western Contemporary Sees the Situation
-Prairie Farm and Home

Trade inc

Vol.

Students a Societie many T

THE op expres cultur what they p dents at the demonstrate that beset the same remediand practice The O.A.C



A \$10,00 Students at thinstitutions. T this last year paddocks seen used as rinks much pleasure of

having laur a venture that first of its kin Students' Co three-fold pu dents' paper, ment, and hing rink.

To really tion as applie look backwar year the stu-was first pub decided to hordinary colling to make they would paper.

By the year

ent Cabinet d

, 1914.

d by farral implesh Preferntil within plete free

efore of the fariring Deepresented of Ontario ces. Other on spoke. essions o anada. It urge reaffects the

binet pre-White, Firtin Burof Trade t Rogers, n. J. D. and other ng mem House of

ne open," "but must a serious eadily in-This has nt events. tions that g the past

s we find s of the 4)

3

TURE ww

nd Home



The Recognised Exponent of Dairying in Canada

Trade increases the wealth and glory of a country; but its real strength and stamina are to be looked for among the cultivators of the land,—Lord Chatham Vol. XXXIII. FOR WEEK ENDING FEBRUARY 26, 1914

## College Students Who Cooperate

B. H. C. Blanchard, O.A.C., Guelph

Students at the Ontario Agricultural College have Three Successful Cooperative Societies in Successful Operation and do an Annual Business Running into many Thousands of Dollars. The story told by one of the Student Cooperators

HE opinion has been more or less freely expressed in different quarters that agricultural students do not always practice what they preach. During the past year the students at the Ontario Agricultural College have demonstrated that they can apply to the troubles that beset them through their college course, the same remedies that they will afterwards advocate and practice as the solution of farm problems. The O.A.C. boys may feel reasonably proud of

of 300. Until then its circulaton had been confined almost entirely to the students in attendance at the college, but in that year an effort was made to extend it among the ex-students. The circulation increased rapidly, and considerable advertising was secured. In 1909 a substantial surplus was netted, and by 1913 there were on hand, funds amounting to \$1,800.

The students now felt that the time was ripe for more cooperation, so last spring the forma-

tion of a supply department was decided upon. Two hundred and twenty members subscribed two dollars each as a membership fee. There was obtained from the Review executive, the permission to use as backing, the \$1,800 surplus on hand

But this surplus was never needed. The \$440 of fees proved to be sufficient initial capital. By the time the students returned in the fall, \$1,000 of business had been done, and there was on hand \$4,500 worth of stock. Most of this stock was to be paid for by the first week of October. Enough sales

were made in the first two weeks after the fall opening of the college to meet all bills. Since then the turnover of business has been rapid.

The stock handled by the supply department consists of the text books and stationery required by the students. All books are sold at the regular retail price quoted by the dealers. Wholesale merchants give a 20 per cent. discount on purchases. This difference of 20 per cent. is more than sufficient to cover all the expenses, including a stenographer and salesgirl.



Student Cooperators and Hockey Enthusiasts Student Cooperators and Hickey Enthusiasts
One of the features of college life at the Ontario Agricultural Oblicae is the annual play-off between the
college boys and their cock, the Madonald girls
obeys its must be explained that they played with
boys its must be explained that they played with
bromstelas. The unusual feature this year was that
the game was played in the students' own rink, built
and owned on the cooperative plan.

It is very gratifying that since last spring the total turnover of business up to the holiday season was \$7,000. The profits are divided among the members in proportion to the amount of purchases made. It is assured that when the year's business is wound up in August that the members will receive not only their investment of \$2, but also a substantial rebate. Those other than members who purchase books, pay the same price, but are entitled to no rebates. Letters were sent out to the district representatives in the province explaining the work and purpose of the book club, with the result that quite a trade has been developed outside of the college.

Early last fall it became apparent that the Review surplus of \$1,800, which had by now grown to \$2,750, would not be needed in connection with the book club, as that institution was quite able to-stand upon its own legs. The surplus belonged to the students; for what purpose could it best be used?



A \$10,000 Rink, Built and Owned by Agricultural College Students

To really begin at the beginning of cooperation as applied by the O.A.C. students, we must look backwards as far as the year 1884. In that year the students' paper, The O.A.C. Review, was first published. The boys got together and decided to have something different from the ordinary college society-instead of merely trying to make expenses on the Review each year, they would save something and improve the paper

By the year 1903 the Review had a circulation



The Students' Rink as it Appeared When in Course of Construction

(4)

Several years before, the question of the students building a covered rink had been broached. The need for such a rink was keenly felt. The small open air rink was half the time filled with snow, and no satisfactory arrangements could be made with the owners of the rink in the city. In 1907 matters so far progressed that the graduating class gave their notes for \$25 each, to be used when the building of a rink might be decided upon. Since then, each graduating class has followed the example.

A \$10,000 RINK

At the beginning of the 1913 fall term there was on hand \$2,750 of cash and \$2,500 of notes. The rink question now became a live isssue. Inquiries were made and it was found that \$10,000

would build a rink that would be up - to - date. Student meetings were held, and it was decided to go ahead with the project by taking on a mortgage of \$4,000 The rest of the cost will be paid out of the season's proceeds. To obtain this mortgage it was first necessary to have the land. This difficulty was overcome by the Government leasing a portion of land to the students for 21 years, with the object of renewing.

But some organized body was necessary to assume the responsibility of meeting the obligation of a mortgage. The upshot of the matter was that the students organized themselves under the Ontario Companies Act as the O.A.C. Students' Cooperative Association. This is a no-share society, and is purely cooperative in that all profits, over and above the expenses of operation, will be handed back to the students each year in the form of rebates.

#### ALL SOCIETIES IN ONE

As the association will not be lawfully incorporated until March, the three branches, the book club, Review and rink, will be run separately until then, but after that the three will be included in the association. Each of the three branches will be operated by separate committees, but a central committee will have control of matters that concern more han one branch. All surpluses will be turned over to the central committee, which will then apportion them. The chief convenience of such an arrangement is that in the event of any department becoming pressed for funds, the surpluses of other departments can be readily diverted to its aid.

A fee of \$4 will entitle members to all the privileges of the three branches. Of course, the main reason why service can be given so cheaply is that a comparatively small proportion of the expenses goes for salaries, the boys doing most of the work themselves. The rink privileges alone would be worth at least \$4 in any city or town. This splendid skating arena is one of the best in western Ontario. The ice sheet is 180 by 80 feet, there are commodious dressing rooms, and the seating capacity is over 1,700.

The benefits that future students of the college will derive from this cooperative association can only be imagined. The possibilities of the supply department are unlimited. Surely it is not too visionary to picture the day when the students will buy not only their books, but many other articles at their own cooperative store. In addition, the boys will receive at first hand a training in cooperative management, and a knowledge of the cooperative spirit that will be of untold value in after years. Imagine several hundred young men, enthusiastic apostles of cooperation, going back to the farms and into other phases of agriculture in this province.

And what of the skating rink Its benefits will be reflected in the health of the whole student body. An hour's skating in the rink in the afternoon or evening, spent in that most pleasant and exhilarating of winter pastimes, will put new vigor into any one's veins.

Our story would be incomplete did we forget to mention the whole-hearted cooperation which the



The difference between a healthy sanitary neither healthy nor sanitary, is generally a matter of light and ventila-ion. The stable of the upper illustration shown herewith is better tighted than many stables in the country, but seen it falls down seriously by comparison with the stable of Mr. R. R. Ness, seen below. It is now generally agreed that at last one-half of the linear wall length should be in glass, as is the case in the Ness stable. Sunlight is the cheapest germicide. Such abundance of window glass guarantees a cide. Such abundance of window glass healthier herd and a healthier product.



students received from every member of the faculty. Dr. Creelman gave the movement his hearty support. Prof. LeDrew, who has made a study of cooperation in this country and in Europe, gave much of his time and ability to help the boys along. The cooperation evidenced between students and faculty was not the least important feature of this cooperative venture that is unparalleled among any student body of the same size as that of the O.A.C.

We find that very few farmers take much interest or pride in having and caring for a farm wood-lot. A few give some attention to the wood-lot, if it contains some maples, but very little thought is given to the future wood supply.-F. C. Nunnick.

Some Pointers in Buying Seed

T. G. Raynor, Seed Division, Ottawa

Most farmers have a desire to protect their farms against the spread of noxious weed life, or weed life of any kind, when purchasing seed, even if they have no other motive than that they do not care to pay the price of good clover seed for buckhorn or foxtail.

A good many farmers are badly fooled some times. A neighbor, for instance, says he has some good seed. The men who came around with the huller told him he had the best seed they had threshed yet. He believes it, and yet without being a judge himself or securing the services of his District Representative in Agriculture or the Seed Branch, where he could get

the information free of charge, he sincerely recommends it to his neighbors for seeding purposes. His neighbor, because he can get it for a little less per bushel than by buying re-cleaned seed from the local dealer, decides to take a chance, and buys it. Often he buys seed in this way that would be rejected if it were examined by those competent to do it. In other words, he takes his chances on a g more than 400 weed seeds an ounce, or 6,400 a pound, and more. See what that would mean to the acre at, say, a rate of 10 pounds of red clover.

789,120 WEED SEEDS PER ACRE Take a case in point: A farmer in the eastern part of the Province of Ontario was discovered, who had been sowing 10 per cent. of false flax in his timothy seed, which he bought of his neighbor for a trifle less per bushel than he would have paid had he bought good re-cleaned seed at the store where he bought his clover seed, which was a good lot of seed. We will assume that he sowed five pounds of this timothy seed to an acre. How many weed seeds would this mean per acre? There are 82,200 average sized seed of timothy in an ounce; 10 per cent, would mean 8,220 an ounce, or 131,520 a pound, or in six pounds, 789,120. And then the farmer often wonders where in the world all the

weeds have come from. There are hundreds of farmers who have done this in the past. They have done it with ribgrass. or buckhorn and foxtail in red clover, with catchfly or sticky cockle in alsike, and with false flax and ox-eye daisy in timothy. There are some who are doing it yet, and

will do it this spring. Sometimes farmers have left just such seed at their grocers for sale. An inspector has come along and discovered the seed, taken a sample, and has had to prosecute the grocer, and in some cases the farmer as well. They are both liable under the Seed Control Act for selling for seeding purposes seeds that will not grade No. 3.

#### WHEN BUYING SEED

When a farmer goes to buy seed of the retailer he should look around to see if the information is on the seed he wants to buy, and which the law requires shall be there, viz., the kind of seed. and in letters not less than half an inch in length the grade of the seed, on the bag, or on a label securely attached to the bag. If this information

Februa

isn't there suspicion. Even th

assurance 1 is not N going qui see that is ers thems their custo safeguard. doubt and sure, he c seed in qu of Agricu and have l just what which the test numb furnished send that the identit dump the look for t should be If you k

sample, sp and look know look seeds, if h trict Repre

There is market th price, which

In a Un chronic ba up." He in a fifteer He regard manufactui not like to stood arou gossiped v he got hor corn field. wife in ve delivered a 1914.

ect their

eed life.

ng seed,

that they

d some

he has

around

est seed

and vet

ring the

in Agri-

ould get

charge,

s it to

ng pur-

cause he

er bush-

ned seed

cides to

. Often

ay that

were ex-

at to do

akes his

than 400

6,400 a

hat that

t, say, a

\ farmer

Province

ed. who

cent. of

neighbor

than he

bought

he store

er seed,

eed. We

wed five

ed to ar

ds would

here are

of timo

nt. would

131,520 a

789.120

ten won-

all the

farmers

the past.

ribgrass.

in red

icky coc-

alse flax

y. There

yet, and

sale. An

ered the

prosecute

armer as

leed Con-

ses seeds

e retailer

formation

which the

d of seed.

in length

n a label formation

ers have

clover.

ACRE

over seed }

4

ed

(5)

The Winner and His Trophy

Mr. L. D. Hankinson, Aylmer, Ont., seen herewith, is the first one to win the trophy presented by Farm corn at the Ontario Corn Show. The trophy is valued at \$50, and must be won three years before it becomes the property of the exhibitor.

isn't there such seed should be regarded with suspicion

Even then the purchaser might ask, "What assurance have I that the seed represented as No. 1 is not No. 2?" Well inspectors are coming and going quite frequently who examine the seed to see that it isn't misrepresented. Then the dealers themselves as a rule are anxious to supply their customers with good seed, which is another safeguard. If, however, the purchaser is still in doubt and he wants to make assurance doubly sure, he can send a representative sample of the seed in question to the Seed Branch, Department of Agriculture, Ottawa, free through the mail, and have his work done free of charge, and learn just what he has: If he examines the bags from which the seed is taken he will usually find the test number put on by the wholesale house who furnished that seed to the dealer. If he would send that it would be a great help in determining the identity of his seed. However, some dealers dump the seed into barrels, cans, tubs, etc., then look for the labels and the information that should be there.

If you know any of the weed seeds take a small sample, spread it out on a white piece of paper, and look for them. If you find any you don't know look at the dealer's reference collection of seeds, if he has one, if not, take it to your District Representative for indentification.

There is a lot of very fine pure seed on the market this year, and red clover is cheaper in price, which is a great boon to the country.

#### Questionable Bargains

In a United States farm journal recently a chronic bargain-hunter tells of how he "woke up." He visited a sale one afternoon and bid in a fifteen cent pitchfork with a broken handle. He regarded the fork as cheap, and he could manufacture a handle himself. Besides, he did not like to attend the sale without buying. He stood around the barnyard after the sale and gossiped with his neighbors so late that when he got home it was dark, the cows were in the corn field, one of the children was sick, and the wife in very bad humor. That night his wife delivered a curtain lecture that was not received

in very good humor; but it contained rauch solid truth. She told him that he had been picking up bargains for years. Everything that he bought was out of repair and had remained out of repair. She told him that he had not a single implement around the place that did not have a break somewhere. The next morning he started to look over his possessions, all of the bargains that he had accumulated at the sales in the last dozen years. And he found that what his wife had said was strictly true. The result was that he had what machinery he needed properly repaired and he sold his bargains to the junk man for a song.

This man is just a type. With many men attending sales and picking up second-hand machinery is a nabit. Their barnyard and sheds are regular junk heaps. Nor are the women immune. The editor calls to mind one woman in his old home who was reputed to have her garret full of old tin pans and nick-tacks which would never be used by anybody, but which were got simply because they were cheap. But were they cheap? There are times when a bargain is not a bargain. Before we buy anything at a sale we can well afford to ask ourselves whether or not we can make good use of the article we plan to buy. In many cases we will find that we have no use for it whatever. And after all is not a new implement, a new set of harness, or a new sewing machine generally the cheapest in the long run.

#### Safe Handling of Bulls

Have you a bull so savage that you sometimes consider the advisability of doubling your life insurance? L. H. Lipsit, Elgin Co., Ont., has such an animal, but he handles him with perfect safety. The bull is kept in a box stall enclosed with steel fixtures. On one side of the stall is a strong steel stanchion. A little grain in the feed box induces the bull to put his head through the stanchion. A rope is then attached by a strap to the nose ring. This rope runs through a pulley at the far side of the pen. The bull is released from the stanchion and drawn back to the pulley.

The cow is then taken into the stall and fastened in the stanchion, Mr. Lipsit then loosens the rope holding the bull, the snap still remaining on the nose ring. After the cow has been served the bull is drawn back to the pully again, the cow taken out and the bull freed.

No need for extra life insurance when a bull is handled in this manner, is there

#### My Experience With Ensilage Albert Tattersall, Oxford Co., Ont.

I do not know how I would get along without my silo, as I find the ensilage very good feed for milch cows, they producing more milk than when fed dry corn. I would not grow as much corn were it not for my silo.

I am on a rented farm and when building the silo drew the gravel and cement and boarded the men and am satisfied that I am well paid for my work the first winter. I believe it would pay any person not having a silo to build one. It is a good plan also to grow roots as well when one has a silo as the roots and ensilage go well together.

The following figures sum up the cost of building my silo which is 14 feet inside measurement and 40 feet high:

12 loads	gravel			,	*			ì							\$12	0
48 bbls.	cemen	t													79	2
Roof						. ,									35	0
Wire							,								11	0
Lumber																
Cost for	constr	uc	ti	n	g										100	0
Total.											ė			. 5	R953	9

#### Exercise the Horses

James Jack, York Co., Ont.

The other day I had occasion to have some tiles drawn and asked a neighbor to assist me. I was surprised to find the condition his horses were in by night. They showed every symptom of fatigue, though there had been no speeding nor overloading. Last fall when those horses quit work they were in as good condition as any horses in the neighborhood, but that day's work showed that they were now anything but "fit."

The whole reason for their present lack of condition is their lack of exercise. Surely this farmer is making a serious mistake. Next spring work will open suddenly and every hour will be of value. Unless those horses are fitted in the meantime for the strenuous days that are ahead of them they will be sure to suffer. Their shoulders will go bad, and tiredness will come long before it should, while digestive troubles will be almost sure to arrive when they are least wanted.

It is in this connection that the farmer who hauls out his stable manure in the winter time has the advantage. At least every other day the horses are hitched for this work. Should the manure be kept in the barnyard it is good practice to sprinkle a little hay over it and to turn the horses out for a run. If the horses have been in the stable for a sufficient time to render them tender, it is important that they be not left out long enough to get chilled. Further, care must be taken that there is no kicking done, as unexercised horses frequently take this method of letting off steam. After a week or two, the horses are likely to play together as harmlessly to themselves as any other of the farm animals.

When there is no work to be done it will pay to hitch the horses every day and to send them off for a 10 mile drive. Daily exercise is the best safeguard against a score of troubles that are likely to show themselves after a winter's inaction, especially when the feeding has been liberal. Daily exercise means sound muscles, good behaviour, clean mills and that indefinable thing, constitution, without which no horse amounts to



The Most Lasting Structure on the Farm

Oxford Co., Out., is one of the banner dairy districts of Canada. Oxford county also numbers a greater proportion of sites than almost any other similar area in Canada. There is a relationship between the two. Good dairying and the sile or together. The one here illustrated is on the farm of Mr. A. Tattermall in that

Cost

Cost



It isn't an easy job holding them back from

# Caldwell's Sub-Calf Meal

-it's the MODERN way

-the ECONOMICAL way

-- the PROFITABLE way

of vealing up or raising calves for beef or to replenish your Dairy Herd and you can raise as fine calves with it as you can on whole milk. But-

Keep on selling the milk. Caldwell's Cream Substitute contains the same nutriment and costs far less. Ask your Feedman about it or write us.

THE CALDWELL FEED CO., LTD., DUNDAS, ONT.

## In the Horse World

Timely Suggestions

### Horse Owners

#### Cost of Feeding Colts

Many farmers make a practice of Many farmers make a practice of buying rather than rearing horses for farm work. They justify this prac-tice by the statement that Lorses can be bought more cheaply than they can be produced. To test the accuracy of this contention, the Pennsylvania Ex-periment Station produced a group of 10 grade Belgian and Percheron colts and one pure bred Percheron for use in light stock judging classes. An accurate record was kent of the An accurate record was kept of the initial cost of these colts and the feeds consumed. The following table giv-ing a summary of the results of this test shows a profit on producing the colts rather than buying the mature horses:

He needs it in winter as well as summer, and it was put there for a good

Don't overcheck your horse,

16. Don's overcheck your horse, for it is cruel and injurious. Nature's curves are always graceful.

17. Don's forget that there is more profit in coaxing a horse than in kicking him. Try gentleness and see how it grows on you.

18. Don's wait till your horse is dead, or nearly so, before you send for a doctor or an ambulance.

19. Don's kill your horse trying to get him out of a hole before you send for the dearners.

Are Prices High Enough? Are farmers getting enough for

	Nov. 3, 1910—April 18, 1912.  Initial value of colts
t	of Feeds:
	Shelled corn\$171.199
	Oats 16695 lbs. at 40c per bushel 209,675
	Wheat bran 3383 lbs. at \$28 per ton 47,362
	Linseed meal 2355 lbs. at \$36 per ton 42,390
	Silage 2772 lbs. at \$3 per ton 3.927
	Hay 59420 lbs. at \$14 per ton 415.940
	Pasture 10 acr. at \$4 per acre 40.000
t	of Labor-336 hours at 15c per hour, \$50,400
_	Total cost of feed and labor
	Total cost of ten colts at close of experiment 1893.390
	Value of ten colts at close of experiment 2350.000
	Total profit of ten colts 456.610
	Profit per colt
	riont per con 40.001

## Oliver Plows



THE group of Oliver plows built for Eastern Canada includes walking plows, three-wheel sulky plows, high and low lift gang plows, walking gangs, hillside plows, riding cultivators, and walking gang plows. Each of these is built for a certain purpose, and is the best plow obtain-

able for that particular purpose.

Back of the whole group is the fifty-nine years of successful plow experience of the Oliver Plow Works. This experience eliminates everything to the way of chance. You do not have to experimosat

with Oliver plows.

Go to the I H C local agent and tell him what kind of plowing you have to do, and he will sell you an Oliver plow built to do that kind of work and do an Olver plow built to do that kind of work and do it in the best possible manner. You can get catalogues and full information of the entire Oliver line from him, or, if you prefer, write the nearest

International Harvester Company of Canada, Ltd At Hamilton, Ont.; London, Ont.; Montreal, FMQ.; Ottawa, Out.; St. John, N. B.; Quebec, P. Q.



#### Cold Weather Don'ts

1. Don't use cold bits in cold weather. Your horse's tongue is tender and his mouth is formed of delicate glands and tissues.

2. Don't clip your horse when the mercury is at the freezing point. Don't fail to blanket your horse

when he stands in the cold.
4. Don't forget that nasal catarrh, bronchitis. pneumonia and other ills often result from exposure and the chill which follows suddenly checked perspiration.

Don't fail to keep your horse's shoes sharp when streets are slippery.
6 Don't put your horse's feet in hands Good feet are spoiled by bad shoeing.

7. Don't keep your horse in an overheated stable, then stand him for hours in a freezing atmosphere, and wonder why he became sick.

8. Don't fail to water your horse the first thing in the morning, but

not with ice water.

9. Don't load your horse too heavwhen the streets and roads are blocked with snow.

10. Don't force him to back heavy load over a deep snow bank.

A shovel with a little energy will make it easier for your horse and your conscience.

onscience.

11. Don't try to convince your horse that he is on skates when his feet strike the slippery road.

12. Don't fail to oil your ragon axles. There is a lot of humanity in

13. Don't fail to properly shelter

Don't fail to properly shelter your stock from the cold and to exercise them when the weather is good.
 Don't fail to have you horse's teeth examined. Of what use is food if your horse can't eat it?
 Dou't dock your horse's tail.

their produce? This question is discussed by Mr. J. Eldridge of Bruce Co., Ont., in a recent letter to Farm and Dairy. We reproduce herewith a few paragraphs from this letter. The points brought out are well worthy of consideration:

Don't imagine that if high-class butter produced in high-class dairy butler produced in figure tass should buildings should cost 47c a pound that I believe it should sell for 47c. The price of an article has to be kept within bounds. If not the demand decreases. Nevertheless average milk testing about 3½ per cent. fat at four cents and eight cents a quart, is equal on the Bow Park farm they place the cost of producing milk at four cents a quart. When we sell butter fat at 25c a pound, and allowing 20c a cwt. for skim milk for calves, only three cents a quart is realized.

This is my style of reasoning, showing that in some lines of dairying there is a deficit which cannot be completely overcome unless the price advances. Farmers, therefore, as a body are entitled to political consideration, privileges that they deserve, such as a parcels post system, a tax on excessive values on land, reduced duties on agricultural implements, and so forth, so as to help to reduce the burdens that are nearly everywhere imposed on agriculturists by nature.

"As an illustration, it takes from 50 to 67 per cent. of a full feed to maintain animal life, therefore no production in either milk or flesh can take place except from what is eaten above that quantity. Some of the foods fed to animals have a high and definite value for maintaining human life. This is an inkling of the obsta-cles encountered by farmers in pro-ducing animal products." February

Winter

WING everyth ter months year's supp wood is use pile inside. rule, care fo noon hour n up at about

Get as mu field as poss practice, clai large amoun conclusions. experimental ure is on the the very rev For instance of land of e given numb reated in t following s ing a sumr better result are several considered 1 sions of thi

WHERE CA (1) Was t for the ice a load caused regular shap til it was th would only (2) Do we sustain by a

by different



Make all You won't ing breeds. Sheep like need dry for Wet or m

of foot dises What's th you don't ke Give your soon get in Remember pends upon Give your

and they w Don't buy sure he is h The farme without root

The lamb good care valuable ani Don't stac can get at

fleeces with the value of See that or run fur fresh water. drink green

Keep an wait until th or you migl It isn't al

ram; he is occasion. Y

1914.

hora. Nature's here se than horse is ou send

rying to ore you gh? igh for

of Bruce to Farm erewith a ter.

worthy of

igh-class ound that 7c. The be kep demand age milk , is equal place the our cents eer fat at 0c a cwt. nly three ng, show

dairying annot be the price re, as a considerdeserve, em, a tax , reduced plements, to reduce verywhere v nature. I feed to fore no flesh can is eaten high and g human the obsta-

in pro

Winter Work that Lessens Spring Rush J. R. Philip, Grey Co., Ont.

WING to the scarcity of labor, ( ) it is wise for us farmers to get It is wise for us farmers to get everything done during the winter months that is possible. Get a year's supply of fuel, especially if good is used. It is a good plan to 4 plit the wood ready for the stove, and pile inside. The 3-dys do not as a rule, care for splitting wood for the under the control of t

Get as much of the manure into the field as possible. Some object to this practice, claiming that they lose a large amount of the fertilizer. We should not be too quick to arrive at conclusions. It has been proved by experimentalists that the sooner manure is on the ground the more pro-fitable it is. Some may say, "That is the very reverse of my experience." the very reverse of my experience." For instance, they may take two pieces of land of equal fertility, treated to a given number of loads of manure, one treated in the winter, the other the following summer. The one receiving a summer coar gives much the better results. Possibly so; but there are several things which should be considered before we jump at conclusions of this kind.

WHERE CALCULATIONS MAY BE OFF

(1) Was there any allowance made for the ice and snow; the voids in the load caused by chunks frozen in irload caused by chunks frozen in irregular shapes. Possibly if left until it was thawed out and tramped it would only make half a load.

(2) Do we ever consider the loss we sustain by allowing manure to lie in a pile in the yard? It has been proved by different experimenters that it will

lose one-half of its fertilizing quali-ties in six months. Then we only have half as much as if taken out at

Balancing the one with the other we are only applying one-quarter as much manure in the winter as six months later. How could we expect as good results? There are certainly fields that it is not wise to manure in winter that the state of the state o ter, but as a rule we can get the bulk out in winter profitably. We have known cases in a wet season when it was impossible for some farmers to get their manure out so as to get the tenefit that season.

It is not wise to leave cleaning seed until it is needed. Now there is a greater quantity than there will be in a couple of months. The light oats, if any, can be fed to the idle horses. This is one thing we are not particu-lar snough about. Let us look over the reports from those who have been taking a deep interest in this important question and we will not be sat-isfied with cleaning our seed once, or perhaps twice. We should read more and become more acquainted with facts before we are satisfied to settle down to any theory.

Secondly, our time is not so valu-able now as in seeding time, when we should get the seed in the ground as quickly after the soil is in fit condition, as possible, and at a time when there is a lot to look after around the stables. Young stock arriving daily demand a certain amount of atten-tion. Have a system, and keep up to it. There is no time a thing is so easily done as at the right time.



#### Sheep Notes

Make all changes gradually. ing breeds.

Sheep like upland pasture. They need dry footing.

of foot diseases.

What's the good of a salt box if you don't keep salt in it?

Give your boy a lamb, and he will soon get interested in sheep. Remember that the lamb crops depends upon the care of the ewes.

Give your sheep good feed and care and they won't need condition pow-

Don't buy a new ram unless you are sure he is better than your old one. The farmer who tries to raise lambs without roots and clover makes a mis-

The lamb makes the sheep, and good care or lack of it produces a valuable animal or a scrub.

Don't stack straw where the sheep can get at it. They will fill their fleeces with chaff, which will injure the value of the wool.

See that the water trough, spring or run furnishes plenty of pure, fresh water. Don't make your sheep

drink green, slimy water.

Keep an eye out for a good ram, if you need one this year. Don't wait until the breeding season is on, or you might not get just what you

It isn't always safe to buy a chow ram; he is probably fitted up for the occasion. You will get better results

from one that is well bred and in good thriving condition. Good breed-ing and individuality are the things

Make all changes gradually.

You won't gain anything by crossing breeds.

Sheep like upland pasture. They seed dry footing.

Wet or muddy yards are breeders of foot diseases.

They seed the footing of the female increase.

The Farmer.

#### Danger in Feeding Salt

There is considerable danger in feeding salt to ewes just before lambing time. Many cases have been known where abortion has been traced directly to the use of salt during this period.

Sheep must have salt and plenty of it, but this is one time during the of it, but this is one time during the life cycle when it should be withheld. Not only have bad results been noticed from the feeding of salt, but when sheep have been fed a liberal supply of beets or turnips, abortion has been more prevalent than otherwise.

This is attributed to the fact that there is more salt in these feeds than in others.

In the same way similar results have followed from allowing ewes in lamb to run on an alkali soil. See to it that your ewes do not get too much salt just before lambing.-Iowa Homestead.

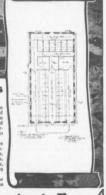
We have taken Farm and Dairy for a number of years and consider that it cannot be beat. We are pleased with the good information it gives each week.—J. A. C.





for Good Barns

Let Beatz Broschelp you plan your barn this winter. We're planning hundreds of dairy barne every year, and in every plan that comes before us for our critisism and advice, we can always polity out money as advice, we can always polity out money as a consequence of the state of



## BT Barn-Plan Service is Free

Our knowledge of good stable construction covers energing, from the larging of somest. Score and walls and general layout of the barm to the ventilation, lighting and framing. This expert knowledge is absolutely free to you. We invite you to write us, tell us what your ideas are, what sias your barn will be, the number of stock you will keep, and COUPON when you expect to build.

About any improvements we can suggest, and will send up-to-date plana, with all ranging the plane with all fing the plane. When you expect to build a shout any improvements or a ref or ity.

For it left or or postal or please as en d tention. Address Stable Squipment.

Beatty Bros.

Limited I expect to build in 1914.

1223 Hill St. / about...... I expect to build in 1914.

Orchard and Garden Magazine Number OUT MARCH 5TH

Last Forms Close March 2nd, 10 a.m. Advt. Dept., Farm and Dairy, Peterbo

WANTED

# Give me a chance to **PROVE** my flour

It makes great big bulging loaves of the lightest, whitest, and most wholesome bread. I want folks to know what a splendid flour Cream of the West is. That is why I have induced the Campbell Flour Mills Company to make special prices direct to the farmers.



Per 98-lb. How to Get the

Household Book

Free

With every purchase from us of not less than three (8) bags of Campbell's Flour (any brand) yeu will get a Household Book Free. But bear in mind that if you order up to five (8) bags we will pay the freight to any station in Ontario. Bast of Sudbury station in Ontario. Bast of Sudbury bags because the book, at least 3 bags must be flour — the other two bags may be flour or any other product mentioned in the list printed above. Head the list and make up an order todays. Add 10 cents to your order todays. Add 10 cents to your order todays.

Special Prices

on Car Lots

Correspondence with

Farmers' Clubs

Solicited

# West Flour

**FLOURS** 

The hard wheat flour that is guaranteed for bread

We want to make "Cream of the West" flour better known in every locality in Ontario. And with this end in view we offer the following special prices today on flour and feed direct to the farmers:

## Read This Splendid Offer

Cream of the West (for bread) ...... \$2.80 Queen City (Blended for all purposes) .. 2.40

To enlarge the acquaintance of the public with its various products the Campbell Flour Mills Company makes you a very special offer-a great 300page household book free. This is one of the most remarkably complete and helpful household volumes ever prepared. It is called the "Dominion Cook Book." The 1,000 recipes are alone worth the regular price of the

These recipes cover every kind of cookery from soup to dessert - from the simplest to the most elaborate dishes. Every recipe is dependable and not too expensive or troublesome to prepare. They always come out right Full instructions how to carve meats and game, with many graphic illustrations

And in addition there is a big medical department in this wonderful book that should be in every home tells in simple language how to deal with almost every common malady. You must get this book - read how simple it is to get it free

atonarea	1 (макев	delicious	Dastry)		2 30
FEI	EDS			Per 1	lag. 00-1b.
"Builru	sh" Bran				81 25
"Bullru	sh" Midd	ings			
Extra V	Vhite Mid	dlings			1 45
"Tower"	Feed F	our			1 55
"Gem"	Feed Flo	ur			1 70
Whole	Manitoba	Oats			1 45
"Bullru	sh" Crush	ned Oats			1 50
					1 45
					1 50
Cracked	Corn				1 55
"Genova	" Coarse	Feed			
Manitoh	n Feed B	arley			
Barley	Meal				1 45
Oil Cak	e Meal (c	ld process	1)	*****	1 70

#### TERMS: Cash with order

Orders may be assorted as desired. On shipments up to 5 bags buyer pays freight charges. On shipments over 5 bags well prepay freight to any station in Ontario. East of Sudbury and South of North Bay. West of Sudbury and South of North Bay. West of Sudbury add to above prices 10 cents per bag. To points on T. 8. N. O. line add 15 cents per bag to cover extra freight charges. Make remittances by express or post office Make remittances by express or post office. Prices exhibited to market changes.

The Sales Manager

The Campbell Flour Mills Company, Toronto

#### FOR SALE AND WANT ADVERTISING THREE CENTS A WORD, CASH WITH ORDER

Position on Fruit and Poultry or Fruit and Dairy Farm, by young married man (Small family). Box 201, Farm and Dairy, Peterboro

#### Computing Amount of Cord Wood

How much cord wood would there be in logs that measure up 1,000 feet of lumber? (Logs averaging from 12 to 24 inches and 12 to 16 feet long). — C. E. L., York Co., Ont.

The rule in general use in Canada for finding the lumber in a log is that known as the Doyle, and is as follows: From the diameter in inches subtract four, divide by our, and square the result, multiply this by the length of the log in feet. In for-mula it would be as follows:

 $\left(\frac{d''-4''}{4}\right)^2 \times L'$ 

Example: The lumber in a 12" log 12' long would be as follows:

 $\left(\frac{12''-4''}{4}\right)^2 \times 12=4 \times 12=48$ 

and it would take about 201/2 of such

logs to make a thousand feet.

The rule for cord wood is as follows: The diameter in inches squared, divided by 144, and multiplied by the length in feet. In formula it would be

 $\frac{d''^2}{144} \times L'.$ 

Example: A 12-inch log 12 feet long would contain  $\frac{12''_2}{144} \times 12=12$  feet

of cord wood, and 201/2 of such logs would contain 246 feet of cord wood, or a shade over 1% cords.

Applying the same formulae to any size of log that you may desire, you can work a similar comparison. — Prof. Wm. H. Day, O.A.C., Guelph.

#### Homeseekers' Excursions and Settlers Trains to the West

Those taking advantage of above Excursions should bear in mind the many exclusive features offered by the Canadian Pacific Railway in con-nection with a trip to the West.It is the only all-Canadian route. Only line operating through trains to Western Canada. No change of depots. Only line operating through standard and tourist sleepers to Winnipeg and Van-couver. All the equipment is owned and operated by Canadian Pacific Railway, affording the highest form of efficiency of efficiency.

Homeseekers' fares will be in effect each Tuesday, March 3rd to October 27th inclusive, and round trip second class tickets will be sold via Canadian Pacific Railway from Ontario points Pacific Railway from Ontario points (Azilda and East) at very low fares— for example from Toronto, also West and North of Toronto, to Winnipeg and return, \$43. Other points in pro-portion. Fares from points East of Toronto will be slightly higher. Return limit two months.

Homeseekers' trains leave Toronto ach Tuesday during March and April.

Each Tuesday during March and April the Canadian Pacific will run Settlers' Trains to Winnipeg and West and for the accommo action of settlers travelling with live stock and effects, traveling with live stock and discretifing a colonist car will be attached to the settlers' effects train. This car will leave Toronto on regular train at 10.20 p.m., and on arrival at West Toronto it will be attached to settlers' effects the stock of the settlers' effects and the settlers' effects are considered and the settlers' effects and the settlers' effects are considered and the settlers' effects and the settlers' effects are considered as a colonist and the settlers' effects are considered and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and the settlers' effects are considered as a colonist and colonist and colonist are colonist and colonist and colonist are colonists. fects train as mentioned above.

For those not travelling with live stock and effects, special Colonist cars will be attached to regular trains from Toronto, running through to Winnipeg without change. No charge is made for accommodation in Colon-

ist cars.

Tourist sleeping cars are also operated on regular train leaving Tor-

onto 10.20 p.m.
Full particulars from any C. P. R.
Agent or write M. G. Murphy, District Passenger Agent, Toronto.

Februa S

w. F. YOUNG. GO

Y.M.C.A.

GASC

GOOLD, 8

TH

our gates Pee

welded to gates are Open H built for Send for

1914. Cord

there be 00 feet of 12 to 24 -C. E. L.,

n Canada og is that is as foln inches this by
. In for-

12" log

=48. of such s as foled by the

would be

12 feet 2=12 feet ord wood,

ae to any arison. — Guelph.

ns and West

of above mind the fered by west.It is Only line Western ots. Only ndard and and Vann Pacific

e in effect o October rip second Canadian rio points ow faresalso West Winnipeg nts in pro-es East of gher. Re-

e Toronto larch and

will run and West of settlers nd effects, hed to the is car will in at 10.20 est Toron ettlers' ef-

4

with live Colonist ular trains rough to No charge in Colon-

e also op-

C. P. R rphy, Dis-

a big knee like this, but your horse may have a bunch or bruise on his Ankle, Hock, Stiffe, Knee or Throat.

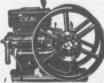
## BSORBINE

will clean it off without laying the horse up. No blister, no hair horse up. No blister, no hair gone. Concentrated—only a few drops required at an application. \$2 per Grops required as an appropriate of the property of the proper

uplete Auto Course, Our instructors are specialists in their line and our equipment is most complete. Illustrated bookles will be sent free on request. Y.M.C.A. AUTO SCHOOL

#### **GASOLINE ENGINES**

1½ to 50 H.P. Stationary Mounted and Traction



WINDMILLS Grinders, Water Boxes, Steel Saw Frames, Pumps, Tanks, Etc. COOLD, SHAPLEY & MUIR CO., LTD. Brantford Winnipeg Calgary

# THE GATE THAT



Braced Like a Steel Bridge

TUST as the engineer strengthens the points of strain in a big, mighty bridge, so we have designed braces, stronger that was necessary, to make our gates stiff and rigid. They can't sag -they can't twist-they are a great im-provement over gates made the old way.

#### Peerless Gates

are made of first-class material. Frame work of 1% inch steel tubing electrically welded together. Peerless pipe braced gates are all filled with heavy No. 9 Open Hearth galvanized steel wire— built for strength and durability— weather proof and stock proof.

Send for free catalog. Ask about our farm and poulity fencing, also our ornamental fence and gates. Agents meanly everywhere. Agents wanted in open territory.

BANWELL-HOXIE WIRE FENCE CO. LM.

Winnipeg, Man. Hamilton, Ont.

#### SELDOM SEE Messessessessessesses The Feeders' Corner

The Feeders' Oorner is for the use of our subscribers. Any interested are invited to ask questions, or a send items of interest. All quee tions will receive prompt attention.

#### Do Oats Affect the Flavor of Milk?

The effect of various feeds on the flavor of milk has long been a dis-puted point. Many dairymen hold puted point. Many dairymen hold that crushed oats result in milk of very desirable flavor, while others are equally certain that corn meal produces the best flavored milk. To get accurate information on the subject the Bureau of Animal Industry of the United States Department of Agriculture used six cows for an experiment. Three were fed a grain ration of corn meal, bran, and cottonseed meal. The other three were fed a grain mixture of five parts crushed oats and one part cottonseed meal.

A number of samples of milk from the cows fed these rations were sub mitted to various persons in the dairy division and they were asked to in-dicate their preference. In all 50 opinions were passed on various samopinions were passed on various sam-ples. Of these, 16 showed a prefer-ence for the milk from cows fed on crushed oats, 25 preferred that from the bran and corn ration, while nine expressed no choice. The results show that in these rations, not only was there no marked difference in favor of the crushed oats as a feed to improve flavor, but, if anything, the ration containing bran and corn was more successful in producing a fine-flavored milk.

#### Regularity of Feeding

R. R. Hamilton, Wentworth Co., Ont. I have somewhat unusual views on the subject of feeding. I have been reading all of the articles appearing on the subject, and in these the points most emphasized are the quantity and quality of green foods, their relative roportion to roughage, the most desirable kinds of roughage, and so forth. The one factor that I believe in feeding ahead of all others is, re-

Have you ever heard it said of a man that he could do a great amount of work in a day and keep it up year after year? Often the wonderful point has been that these men who are such workers are not men of tremendous physical strength. How did they do it? Invariably you will find it is a matter of regular habits. They never subject themselves to unusual hours or to unusual strain of work. It is moderate, everyday accomplishments that carry them ahead.

Let me draw an analogy with the cow. I know that the parallel is not exactly a similar one. The cow must each week produce a certain amount of milk that necessarily requires a certain amount of feed to make. After we have accounted for the amount of feed to make the company of the company o feed for milk production, however, the analogy is similar. The cow that is fed regularly right to the tick of the clock without any sudden change the clock without any sudden change of feed, will keep in better condition and do better work for her owner than the cow fed much more extensively, but without regularity. And in the but without regularity. And in the long run does not profitable production depend largely on the condition of the cow?

I would like to see a clock kept in every stable and milking and feeding kept right up to the minute. With cows, as with men, regularity is a priceless boon.

#### Use Coal Oil--12c. For 10 Hours

This is the cost for Coal Oil per horse power to run this engine, figuring the price at 16c. a gallon. Don't let the high price of gasoline prevent you from having cheap, safe and dependable farm power.

Make Us Prove It Don't let any competitor or agent tell you that Ellis and see them run at Toronto Exhibition. Let us grove it to you under actual working conditions on your own place before you buy. We'll ship an engine from Wisdor, Oniario, on 30 days' trial, freight prepaid, so you will have entired will your bright to pay It don't prove our claims, send the engine back. Write today for catalogue and ophilons of users in all parts of Grands.

ELLIS ENGINE CO., 90 Mullett Street, Detroit, Mich.

## CRUMB'S IMPROVED STANCHION



he standard of m-enience for a quarter of a con Ex. Gov. Hoard of the Dairymen writes: "I have very much impressed with mallenge of Wa

WALLACE B. CRIMB, Dr. Perseville, Cons. U.S. A. Constant and specifications of one of the simplest year Constant covers list for control to Constant covers list for constant covers list for constant covers list for constant covers list for constant covers constant covers list for constant covers of covers



R.DILLON & SON OSHAWA, ONTARIO



HEY BENEFIT THE FARMER, because they increase the value of his farm; enable him to raise more profitable crops; his cost of hauling will be low; he can reach markets when prices are best; his children can get to school every day in the year, and he will have more social life and better conditions generally.

THEY BENEFIT THE CONSUMER, because they reduce the cost of living in proportion to what the farmer saves, and by bringing new industries to the community, enable a larger proportionate amount to be paid out in wages, and with increased population, more amusements and better stores.

Public roads are commercial feeders of the city, and every improvement of these roads means a greater prosperity through increased agricultural production and greater stimulous to all industries.

#### **Economical Good Roads**

Conerete roads are best from the start and cheapest in the end. They are free from ruts, mud and dust. They give good footing to horses and easier traction to every class of vehicle, but most important is the fact that they require practically no expenditure for upkeep.

Complete information of concrete road construction is yours for the asking, without cost or obligation.

Write to-day for concrete roads literature, to

Concrete Roads Department

Canada Cement Company Limited 833 Herald Building, Montreal





VERTISE in these popular col-umns which others find so profitable costs you only \$1.40 an inch

# **BABY CHICKS**

Order your baby chicks now from our splendid laving strain of SINGLE COMB WHIITE LEGHORNS .

## UTILITY POULTRY FARM

T. G. DELAMERE, Prop. STRATFORD

## EGGS, BUTTER and POULTRY

For best results, ship your live Poultry to us also your Dressed Poultry, Fresh Dairy Butter and New Laid Eggs. Egg cases and poultry crates supplied. Prompt Returns.

The DAVIES Co. Established 1854 TORONTO, ONT.

## CORN THAT WILL GROW

Money back if not satisfied Send for Price List

newledged to

J. O. DUKE, RUTHVEN, Ont.



All "ARLINGTON COLLARS" are good, but our CHALLENGE BRAND is the best

BARGAINS — A few Cookerels, Barred Rocks, Brown Leghorns, Houdans and Black Minoreas, Either utility or prize-winning stook. Also Eggs for hatching. —Sunnyside Poultry Yards, Highgate.

## **EGGS**

EXPRESS PREPAID—all the standard breeds of Chickens, Ducks, Grees and Turkeys. BIGE-CLASS STRAIRS. Write today for entalog describing J. H. RUTHERFORD, But 62

130-Egg Incubator and Brooder Port \$13.90 If ordered together we send both machines for only \$13.00 and pay all freight and duty charges to any R. R. station in Canae We have branch warehouses in Winnipeg. Man. and Toronto. Orders shipped from nearest warehouse to your R. R. station

Write un today . WISCONSIN INCUBATOR CO., Box 348 , Racine, Wis., U. S. A.





Black Victor Meat Foods

Black Victor Meal Scrap, \$4.00, per curt. If your dealer cannot supply you, we will send it all charges pre paid on receipt of the regular price.

Cooped-up hens must be supplied with egg-making food. What hens get in Summer—the natural laying season—they must get in Winter or the egg yield will

Meat and Bone take the place of the live bugs, grubs and grasshoppers that go to make up a hen's summer rations. The Poultry experts, the Government bulletins -everyone that knows says "Feed Meat for Winter eggs."

Black Victor Meat Foods are clean healthy meat and bone from which all grease, waste and moisture have been removed; more economical than the cheapest fresh

Write for complete price-list.

Matthews-Blackwell Limited - Toronto



#### Factors in Hatchability

"Why do eggs not hatch?" has been an eternal and largely unsolvseen an everial and largely unsolved question with poultry keepers. Some experiments that were conducted by Prof. A. G. Phillips when he was at Cornell University, and reported in Farm and Home, serve to

throw some light on the question. In one experiment conducted by Prof. Phillips three lots of 50 eggs each were kept two weeks in average temperatures of 80, 65 and 50 degrees respectively. When they were placed in the incubator the percentage of fertility ran 24, 88 and 90, and the final hatch was 0, 43 and 70 per cent. This indicates clearly the advisability of keeping eggs in a room of not higher than 50 degrees temperature. To determine the effect of age at

To determine the effect of age at time of setting or the hatchability of eggs, Prof. Phillips took those lots of 50 eggs each, which were kept one, seven, 14, 21, 28 and 35 days respec-tively in a suitable place and handled in a proper manner. The longer tively in a suitable piace and handled in a proper manner. The longer time the eggs were kept the poorer they hatched, running from 35 up to 86 per cent for fresh eggs. STAND ON LARGE END

Another experiment proved that eggs held standing on the large end were eight per cent better than eggs egg holder, allowing free circulation and plenty of light, the last lot proved by far the best. The eggs held in bran were second best. Prof. Phillips' experiments did not show that dirty shells have any effect on hatchability.

Another factor in hatchability often discussed, and on which many poultry men have fixed superstitions, is tiy men have fixed superstitions, is the effect of the shape of an egg on its fertility and hatching power. To determine this point eight sets were set as follows: Ridge around the middle, small end twisted, thin shelled, the usual small end enlarged, short and round, long and narrow, small, double yolk. The fertility varied short thought the property of the state of the state of the short the set of the short the shor double yolk. The fertility varied about 10 per cent except with lot 8, which was infertile. The small, thin which was intertale. The small, this shelled and enlarged end eggs had 70 per cent fertility. The others had 80 per cent. Lot 1 hatched 100 per cent fertile eggs; 2. 63 per cent; 3, 28 per cent; 4, 43 per cent; 5, 86 per cent; 6, 33 per cent; 7, 28 per cent; 8, 0.

HOW TO HANDLE EGGS FOR HATCHING

After numerous experiments Prof. Phillips summarizes his deductions as follows:

"The fresher the egg the stronger it will be in fertility and hatchability. "Never keep eggs at all if the tem-perature is not cool.

"A temperature of 50 degrees or less is desirable.
"Eggs should be turned sometime

or other during the period of keep-

ing. "Washing the eggs affects them but little. "It makes little difference what

sition the eggs are placed in when being kept.

"Abnormalities in the shell of eggs do not affect fertility and hatchability to any extent.

"I believe the hatching power of eggs is largely controlled by the vigor veges must seaming on the large can eages in largely controlled by the vigor were eight per cant better than eggs of the germ, and the supply of food held in any other manner. Another material for the growing chick. Too experiment in which three lots of many times cases have been noted of eggs were kept 14 days in bran, in an eggs that have been badly abused in ordinary egg case, and in a rotary various ways hatching large percent-ordinary eggs case, and in a rotary various ways hatching large percentages. They did not hatch particularly on account of the conditions, but more in spite of them. I believe that the hen which laid the eggs has a wonderful influence on the hatching power. Shape, etc., certainly has Little influence. power. Shap l'ttle influence.



Is the Incubator a Practical Success?-The Question Answered

There are 2,000 White Leibroras in this flock. Everyone of them were hatched in incubators. Mr. Chas. S. Bennett, who is in charge of the Prescott Co., Ont., edit of the Prescott Co., Ont., and the Company of the Company of the Prescott Compa

Machine No.	Date Set	No. Eggs			Left i	Statched	Chicks
2 4 1 2	April 29 May 3 May 10 May 22 May 22 May 28	 394 393 412 401 400 404	 73 60 46 47 49	23 12 20 20 23 19	 299 320 346 334 329 336	 243 283 292 282 263 282	 277 210 270 289 278 256 280
4	June 3	-			2622	_	

Februar Some

Don't fo bator. scribes you study ever tion in ger Don't tr place wher a stove, o

places it v

where the

and you v Don't fo setting the during inc doubtful o any egg t tains a fe Don't al Keep then nearly full not let th plan to el

to insure sence of a Don't pl tray. Fil-tion of dec ruin to ma Don't tr

in the tray incubator room after the broode Don't fo da second turns then

son who a essential a Don't ne morning. that time is natural posed for atmosphere Don't ha

hands. upon the h of the gern Don't d eighteenth obtained b quiet after

A Yo In Farm Rural Sch

Among the for the be the studen The Roy Brook typical of competition "Receive 1913, at the set them o

"The wa clean one mark it of damp eart an inch o Do not ge the eggs v other and once a day food for a part corn. part buck the eggs warm water ening the

4

"Eight other four ly account must have weeks is the life."-Roy

All of my

Remembe as much a by their o 014. y often

poul-ons, is poul-

ogg on r. To

were

helled, short small.

varied lot 8.

thin

had 80 r cent 28 per cen:

HING Prof.

ons as bility.

e tem-

netime

keep-

them

what

when chabil-

er of vigor f food c. Too

ted of sed in ercent-

icular-s, but e that

tching y has

4

oder

#### Some Incubator Don'ts

Don't forget to study your incubator. Get the catalogue that de-scribes your particular machine, and study every part and the construction in general.

Don't try to run the incubator in a place where there is a draft or near a stove, or in the sun. In such places it will be impossible to maintain a uniform temperature. Set it where the temperature is uniform and you will have much better suc-

Don't forget to test the eggs before setting the incubator and three times during incubation. Do not use any doubtful ones. Take no chances with any egg that you are not sure contains a fertile and vital germ.

Don't allow the lamps to burn low.

Keep them trimmed correctly and as nearly full of oil as possible. Do not let them smoke. It is a good plan to clean the burners every day to insure a uniform flame and ab-sence of smoke.

sence or smoke.

Don't place any dirty eggs in the tray. Fith may cause the generation of deadly gases, which will work ruin to many of the fertile eggs.

Don't try to place too many eggs in the trays. Eggs need room in the incubator as much as the chicks need room after they have been placed in the brooder.

the brooder.

Don't forget to turn the egg every second day. The hen generally turns then every day, and the person who attempts artificial incubation should see to this important essential at least each alternate day.

That's medicat to each alternate day.

Don't neglect to cool the eggs every morning. The hen leaves her nest at that time for food and drink, and it is natural that the eggs should be exposed for a few minutes to the pure atmosphere.

Don't handle the eggs with dirty hands. There may be enough germs upon the hands to destroy the vitality of the germs in the eggs you touch.

Don't disturb the eggs after the eighteenth day. Better results are obtained by allowing them to remain quiet after that date.

#### A Youthful Poultry Man

In Farm and Dairy, Oct. 16, the In Farm and Dairy, Oct. 16, the Rural School Fair was described. Among the prizes mentioned was one for the best essay descriptive of how the student cared for his or her poul-try. The following essay written by Roy Brookfield, of Simcoe county, is typical of the ones handed in in the commatiting. competition :

typical of the ones handed in in the competition:

"Received my eggs on May 23, 1913. at the Lynn Valley School, and set them on 24th.

In the man 24th.

Early and the Lynn Valley School, and set them on 24th.

The way I set all my hens is to climate the set of the pens so they may be by the set of the pens of the set of the set

"Eight of my eggs hatched; the other four were unfertile. I can only account for six as the other two must have died. The first four weeks is the making of any chicken's life."—Roy Brookfield.

Remember that variety of ration is as much appreciated by the hens as by their owners.





The New Armouries, Oshawa, Ontario

O'N the question of cost, our METAL SHINGLES have many points in their favor. A "Pedlarized" Roof is cheaper than any other, because the first cost is the last cost. You save time and labor by using either the big "GEORGE" shingle (24 in. x 24 in.) on your barns, or the "OSHAWA" Shingle (16 in. x 20 in.), of identical design and quality, on your houses, sheds and smaller buildings—a wooden roof takes three days to lay, while a "Pedlarized" roof, of same size is laid in one day. No high-priced labor is required.

The long shingle (24 in.) means a great decrease in the amount of sheathing required—another Big Saving.

Laid with hammer, nails and snips only. Effect a saving of one-third in nails. Pedlar's Metal Shingles outlast the building and the builder.

PEDLAR'S METAL SHINGLES PROTECT YOU FROM

FIRE, WIND, WATER AND LIGHTNING

The All-perfect Metal Shingle. No greater cost, but greater service and satisfaction. :::: Get our prices on Siding, Corrugated Iron, Vents, Eaves Trough, Conductor Pipe, Finials and Ornaments. Every article is standard throughout Canada.

THE PEDLAR PEOPLE, LIMITED OSHAWA, ONTARIO ESTABLISHED 1561

Large and varied stocks always carried at Oshawa, Montreel, Toronto, London, Chatham, Quebec, Calgary, Halifax, St. John, Sydney, Ottawa, Winnipeg, Vanc



## McCormick Drills For Eastern Canada



McCORMICK drill prepares the A best possible seed bed, and McCormick drills are longest-wearing. Any man who owns one of these implements will assure you that these are facts. When you

buy a drill, buy a McCormick.
McCormick single disk and hoe drills have continuous axles, strong, light, thoroughly braced frames of angle steel, and durable, wide running drive wheels. They have a double run force feed which adapts them perfectly to the sowing of all kinds of seed.

all kinds of seed.

Bearings are simple, as nearly as possible dustproof, and easily oiled. Grain boxes are of large
capacity, and they are too firmly supported to allow

See McCornick drills at the nearest IHC local agent's. All their features are explained in our catalogues. Get catalogues from the dealer, or drop a line to the nearest branch house.

International Harvester Company of Canada, Ltd

Montreal, Que. St. John, N. B.



# Sydney Basic Slag

the ideal Fertilizer for stiff clay lands and all sour or muck soils. All farmers in Ontario realize that something is lacking in the soil, and thousands of them will this season start using Fertilizer for the first time. They will be pressed to buy all kinds of Fertilizers, but we ask them to

## Give Basic Slag a Trial

because it is much more reasonable in price than, and will give as good results as, the bulk of the Fertilizers offered elsewhere. Ask the District Representative of the Department of Agriculture as to the merits of Basic Slag and be guided by his opinion. Do not be misled by the statements of unscrupulous Agents for other goods. Twenty thousand tons of Basic Slag were used last season by the farmers of the Maritime Provinces and Quebec. What is good for Nova Scotia will be equally beneficial in Ontario. If you think you would like to take an Agency for Basic Slag, write at once to any of our

#### District Representatives

EASTERN ONTARIO-A. L. Smith, 220 Alfred St., Kingston. OTTAWA DISTRICT-W. H. Dwyer Co., Ltd., Ottawa. NIACARA PENINSULA-E. Platts, Pelham Corners, Welland, Co.

WESTERN ONTARIO-W. T. Colwill, Centralia.

The Cross Fertilizer Co., Limited SYDNEY NOVA SCOTIA

## Mr. Macdonald Replies to a Critic

J. A. Macdonald, Carleton Co., Ont.

tion part of his business, as does Mr. Hamill, whose ideas appear on page five of the Feb. 12th issue of Farm and Dairy, should direct that ques-tion to himself. He should proceed to answer it in its entirety. We have accurate records to prove that it costs at a college farm in the Middle Wart 45 costs a quart to produce West 4.5 cents a quart to produce milk and 5.2 cents on a farm of a similar institution in the East.

The net profit over cost of feed is of practically no value. Such statements are erroneous and misleading. The net profit is what we want to find out, and this is arrived at only when every item of expense has been deducted. By being a member of a cow-testing association and paying from \$1 to \$1.50 for each cow, a dairyman can know at the end of the year how much it costs him to pro-duce a quart of milk or a pound of butter-fat under his own conditions. The opportunity is open to hire clerical work done that he has not the time, inclination, and maybe the ability to do.

The items which go into the cost

of keeping a cow one year can per-haps be best set forth by the use of the summary of the Lydeboro Cow-

I OW much does it cost to pro Testing Association, New Hampshire, duce a quart of milk? Any which conditions apply, in almost ion part of his business, as does Mr. conditions. Here are the items:

conditions.	Here	are	the	items	
Cost of feed					.873
Labor					. 32
Delivery of I	nilk	4			. 7
Housing					. 91
Depreciation (	on cow				. 8
Bedding					. 41
Bervice of bul					. 3
Taxes and in	terest				. 4
Ice, coal and	wood	for h	entin	0	. 2
Veterinary se	rvices	and	medi	nine	. "
Tools, utensile	a salt	ate.	1		
Cow-Testing	Associa	tion	expe	nses	. 1

\$147.73

CREDIT

Total cost ...... \$129 73 The fixed charges, other than cost of feed, are found to be \$56.70, representing 11 items. The milk of Mr. Hamill's 8,000-lb. cows (marvellous yields everyone will admit) would have to sell at 4.05 cents a quart, or \$1.62 a cwt. the year round to pay cost of production. The average price of milk in Ontario is a little over \$1 a cwt. Better, we think, have that \$27 profit and leave winter dairying alone. Mr. Hamill is losing money on his cows, and apparently does not know it.

## Where Calculations Are Off

R, J. Kelly, Oxford Co., Ont.

"H OW the Profit is Made!" I should say that a much more appropriate name for that article of Mr. Macdonald's would have been, "How the Profit is Not have been, "How the Profit is Not Made." It seems strange that any Made." It seems strange that any one with the reputation as a writer that Mr. Macdonald possesses should think it worth while to try to make the readers of Farm and Dairy believe that the right way to make money out of dairy cows is to milk them for only six months of the year, and that for the six months when

and that for the aix months when milk is cheapest.

In the latter part of the article he says, "The old pastoral system, so much in vogue, is, strangely enough, the only system having a profit." Now, Mr. Editor, the article in question is a strange mixture of contra-dictions, and as I have not the time at my disposal, and I know you would think my letter too long to print if

I were to write a reply to the whole article, I will try and give you in as short a time as possible my reasons for saying that the dairyman who is keeping 2,700-pound cows and selling the milk to the cheese factory for \$1

the milk to the cheese factory for \$1 a owt., and probably paying eight cents or 10 cts. a cwt. to have it drawn, is really too far behind the times to be called a dairyman. We will use as a basis of calculations that is, \$1.00 and mentions, that is, \$1.00 are nilling the year round. And lots of cheap feed such as the man who stables and the year round. And lots of cheap feed such as the man who stables and cares for his cows well the year around is able to grow. I have pre-pared a table that, while I know it is not infallible, still I think it does not come far from an estimate of the true, profit of cows producing from true profit of cows producing from 3.000 to 15,000 lbs. of milk a year at My estimate is as follows:



One of Several Unique Exhibits at the Ontario Corn Show

The exhibit here illustrated was staged by the Essex Farmers' Glub at the On-tario Cora Show at Chatham two weeks ago. Notice the miniature railroad, one car representing asab township of the county and all loaded with seed orn. This pari of the exhibit presages the day when seed corn will be shipped from south-western Outario to all parts of America.

Febru CI

clovers.
SEED ou
wise to
No order
and care SPECI

Seed

High ger Yellow Der Write

TILBURY,

SEED B A very ol second gen seed plotter Fair, Pure and Siberian 3rd in Fie oat for thinoluded.

We take stocks pur stocks pur offered suc for sale th Empire also a lim ware and Alfred Hutch

> FO ON

POTA

erop un available erop's re dominan for Pota and Veg to all ot Mur

Sul

Can be tilizer dof "Respurchase percenta A new ers: The

prepared of 80 par and con is a mo telligent be sent with an "The Can "Fertil

Fertil STAT

Pota

1102-5

(13)

npshire, almost Ontario ms:

1914

C

53 8147.73

18 00 an cost nilk of

marvel-) would lart, or to pay avera a little winter s losing parently

e whole reasons who is selling for \$1 g eight ave it nd the

calculaor milk milking f cheap des and e year we pre-ow it is it does of the g from year at lows:

d. one

Club Together On Your Seed Grain

We can supply you with any quantities—all kinds of seed grain and clovers. SEED CORN and CLOVER SEED our SPECIALTIES. You'll be wise to buy before the spring rush. No order too smell for our prompt and careful attention.

SPECIAL RATES TO FARMERS'

M. W. SHAW & COMPANY

TISDELLE BROS., ONT. · · ESSEX CO. TILBURY, ONT. .

SEED BARLEY, O.A.C. No. 21
A very choice stock of this great barley, second generation from the hand-selected seed plot. Took End prize as Gueiph Winter Fair, 1918, in registered seed class.

Biberian Oate, a bright heavy sample. 3rd in Field Grop Competition. The best introduced to the Frontier. Go per bus, base included, the greatest care to keep our stocks pure and clean. And have nover offered such a high-class lot as we have for sale this provious cour specialty, also a limited quantity of selected Delaware and Rural New York.

Alfred Hutchissen Meent Ferest, Ost.

# **POTASH**

FOR ALL CROPS ON ALL SOILS

POTASH is an INDISPENS-ABLE Plant Food.

No soil will produce a maximum crop unless it contains a supply of available POTASH sufficient for the crop's requirements. POTASH is the dominant ingredient in a fertilizer for Potatoes. Tobacco and most Fruit and Vegetable crops, and is essential to all other crops.

## Muriate of Potash AND

## Sulphate of Potash

Can be obtained from the leading fer-tilizer dealers and seedsmen. Buyers of "Ready-Mixed" fertilizers should purchase brands containing a high percentage of POTASH.

A new edition of "Artificial Fertilizers: Their Nature and Use," has been repeared. This is a complete irealize represent that is a complete index. This is a most helpful bulletin in the intelligent study of fertilizers and the relilizer of various crop. It will be sent PREE on request, together with any of the following:

"The Principal Potash Crops of Canada."

"Fertilizing Orchard and Garden." "Fertilizing Grain and Grasses." "The Potato Crop in Canada."

"Fertilizing Hoed Crops." "Farmer's Companion."

STATE WHICH YOU REQUIRE

## German Potash Syndicate

1102-5 Temple Bldg., Toronto, Ont.

Yield		Cost of		st of m		Profi
per year.		feed.	a. t	housa	nd.	a cw
3,000 lbs.		\$36.00		\$12.00		812.
4,000 lbs-		45.00		10.50		19
5,000 lbs.		50.00		10.00		
6,000 lbs.		57.90		9.65		
7,000 lbs-		65 45		9.35		46.
8,000 lbs		72 00		9.00		56
9,000 lbs.		76.50		8.50		
10,000 lbs.		80.00		8.00		80
11,000 lbs.		83.05		7.55		
12.000 lbs.	****	87.60		7.30		
13,000 lbs.		92.95		7.15		
14,000 lbs.		98.70		7.05		
15,000 lbs.	***	105.00		7.00		

15,000 be. . . . 165 00 . . 7.00 . . 135.00

Some Farm and Dairy readers may ask how I would feed a 15 000-pound cow for \$105. In the first place I would take 15 lbs, of this rough grain 

SEED BARLEY, O.A.C. No. 21

A very choice stock of this great barley, second generation from the hand-selected seed plot. Took fad prize at Guelph Win. the 3,000-pound one? A glance at the foregoing table will show that al though I have allowed almost three times as much for the feed of the en and an analysis of the second

The Value of Occupation The Value of Occupation
In literature the freat names
are recorded with a statement also
of the occupition which was part
of the experience of preparation for
when one thinks of Abraham.
Moses and David one is reminded
to the former and keeper of sheep
forted and benefited by the words
of the poem. "The Lord as My
of the poem. "The Lord as My
of the poem. "The Lord as My
actor by occupation before he was
a poet. Burns was a ploughnum
before he became the volce of the
tatation moves under the influence
of the Bahermen of Gaillee, the
crutinalize of Torsus, and, above
tertuinalize of Torsus, and, above
Dr. Jas. Robertson."

governomens 15,000-pound cow as for the 3,000-pound one, still it will take 11% of the 3,000-pound profit makers that Mr. Macdonald speaks of to make as much as one 15-000-pound cow. And that is only for feed alone. never speaking of the extra labor of 11½ cows as compared with one. 'Nuff

Fine Maple Sugar and Syrup

In the days of orude sugar bush methods there was little opportunity of learning the difference between the inferior dark products and those of fine quality, but now consumers are learning to appreciate the excellence of superior goods and to accept no other so long as these are available. This appreciation is leading to better returns for those who produce the light color, fine flavored sugar and

The up-to-date maple sugar maker recognizes that sap, like milk, is a very perishable product, being an excellent medium for the development of fermentative organisms. To make a fine sugar or syrup it is necessary, therefore, for the maker to have an equipment which will allow for the least possible contamination of the product in all stages of manufacture. Not only must thorough cleanliness be observed but transformation of the sap to the finished product must be

d'rect and speedy,
Bulletin No. 2B, "Maple Sugar," issued a few months ago by the Department of Agriculture at Ottawa, deals fully with this subect, and is deals fully with this succet, and is therefore useful to the consumer in making clear what constitutes fine products and to the producer in show-ing how such goods are made. It is mailed free upon request to any address in Canada,

## AT LAST

## Just The Outfit You Are Looking For

The most practical, efficient and simple high pressure Power Spraying Outfit ever offered.



"GOES LIKE SIXTY" High Pressure Direct Geared No Racking Pump Jack

Light Weight 100% SERVICE

Engine can be used for other work all the year round. Truck makes a capital farm wagon

Sills of channel steel, with steel platform. Price of Complete Outfit, Only \$230.00

This includes all Acce sories, Engine, Pump, Tank, Truck, Bamboo Extensions, Agitator, Hose, Nozzles, Etc.

Do not buy a Sprayer until you have finvestigated the "Goes Like Sixty" Power Sprayer. Send for Sprayer Catalogue today.

GILSON MFG. CO.

422 YORK STREET - GUELPH, ONT.

#### SEED BARLEY

Choice Samples. Pure and Clean. Yield this season 52 bush, per acre. 95c, per bush, in small lots; Ten bushel lots or over 85c. H. R. NIXON & SON

St. George, R.R. No. 1 -

## Peck, Kerr & McElderry

Barristers, Solicitors, etc.

415 Water St., Peterborough E. A. Peck F. D. Kerr V. J. McElderry

## WHICH TREE DO YOU WANT

The slow grower, with few and shallow roots and fruit of poor quality, or the vigorous, quick and steady producer of fruit.



X



Blasted the hole in which the tree to the right was planted. The hole for the other was spade dug. Compare the two trees, note the development and then decide how you are going to do your Spring planting. Trees set in exploded holes bear fruit one year earlier. Write for booking.

**BLASTERS WANTED** 

Many farmers prefer to hire blast emand exceeds the supply. Write for in-





GUNNS SHUR-CROP FERTILIZERS
are prepared under the supervision of chemical experts—are backed by
forty years' reputation, and are guaranteed to be in perfect condition

d mechanically.

chemicarry and mechanicarry.

Gunns' fertilizers are finely ground, insuring an even, easy distribution.

For users of our fertilizers we are ready at all times to analyze samples of soils and recommend the fertilizer best suited, making it up especially if necessary.

For fertilizer book and other information, write

GUNNS LIMITED.

WEST TORONTO

DON'T FORGET that we have still a FOR SALE—A quantity of White Cap son a Veterinary Hand Rook. You can seem secure represent the property of the working of the secure of Wallace, Ruscomb, Ont.

## 363.1 Bushels Potatoes

#### From One Acre of Massachusetts Land

A. Webster Butler of Brockton, Mass., won the first southern zone prize offered by the Bowker Fertilizer Company for the largest yield of best quality potatoes grown exclusively on Stockbridge Potato Manure. His acre was a "rocky loam" producing about 2 1-2 tons of hay per acre in 1912 on manure. Rows were 36 in. apart and Green Mountains cut to two eyes were planted 14 inches apart. The piece was cultivated five The acre was sprayed with Pyrox.

## STOCKBRIDGE POTATO MANURE

was applied 2100 lbs, broadcast and 700 lbs. in the drill. No other fertilizer or dressing of any kind was used. The entire crop weighed 21,783 lbs. or 363.1 bushels. His total score including quality points was 589 points, the highest in the southern zone.

Other Winners secured yields ranging from 311.1 bushels to 502.6 bushels in the northern zone (Me., N. H., Vt.,) and from 183.8 bushels to 363.1 bushels in the southern zone, (Mass., R. I., Conn.)

Send us your name for complete and intructive statement concerning the results of the contest and how these great yields of potatoes were obtained. No other fertilizer than yields of potatoes were obtained. No othe the Stockbridge Potato Manure was used.

## BOWKER FERTILIZER COMPANY 43 Chatham St., Boston.

Also Baltimore, Buffalo, Philadelphia and New York.

## The Farmers and the Government

farm, such as wheat and oats, are the capital they have invested and low in price. This is because they rethey labor they spend in their farm quire comparatively little labor to operations."

THE HEAL BESSON products, such as cheese, butter, beef and pork. The high prices paid by our consumers are paid for these secondary products. There is a wide secondary products. There is a wide divergence also in the prices paid the producers and the prices paid by the ultimate consumers. Wheat is low, ultimate consumers. Wheat is low, but flour is high. Until recently cattle prices have been low, but meat been expensive to the consumer. These conditions are not due to anything the present Government has They have been developing for They are both the cause and the result of our declining rural population

without we examine the census fig-ures we find that the high mark of rural population in Ontario was in 1881. While it is true that many ot our farmers have moved from On-tario to the west this has been offset with immissions who have come to by the immigrants who have come to this country, but who have declined to settle on our farms.

"In Ontario conditions growing out this decreasing rural population ve become serious. I have here have become serious. the census figures for 1881 and 1911 of five representative townships in On-These show that during the 30-year interval the rural population of these townships decreased as fol-

Township. County.	Population. 1861.	Populati 1911.
Oro-Simcoe Innisfil-Simcoe	4.566	3.485
West Zorra-Oxford	3.430	3,499 2,593
Wellesley-Wellingto McKillop-Huron	on 5 752 2 685	4 757

"This decline in rural population is not due to increased efficiency on the farm. In the eighties our farmers devoted most of their attention to grain growing. Now they are engaggrain growing. Now they are enged largely in the production of condary products, such as dairying and hog raising. This change neces-sitates the employment of more labor than formerly, and farmers have not the help they need to enable them to reach the maximum of production.

FORMER CONDITIONS "In the early nineties my father hired men for \$16 a month and board. He was able to obtain farmers' sons on those terms. To-day we have to pay \$30 a month and board for immigrants and give these immigrants more privileges than were given formerly to farmers' sons. Not only has there been a lowering in the quality of farm help we employ, but in the general character of our rural population as well. Many of the old families have moved to the cities, and their places have been filled, for the most part, by an in-ferior class. In consequence the ferior class. In consequence the standard of living in many of our rural sections is distinctly lower than formerly.

"Not long since, Prof. Reynolds, of the Guelph Agricultural College, made this statement: 'We cannot expect college trained boys to go back to the farm. This is because they can't make a living there equal to the standard of living they can attain elsewhere.' This statement reveals a very serious condition.

"Within a radius of two miles of my home there are 16 vacant houses. We know that in the early days people settled on some land that should neverhave been cleared and that they have since abandoned this land. The main since abandoned this land. The main reason, however, for our declining rural population is entirely economic. It is due mainly to the fact that far-mers as a whole have not been able to obtain the returns they should for

## (Continued from page 2)

THE REAL REASON

Hon. Martin Burrell: "The farmer does not have to buy so much as the

man in the city."

Mr. Drury: "No; but farmers do not live on air. It costs them something to produce the food they con-sume. The real reason for the rural sume. The real reason to decline is because farmers have to buy most of their goods from pro-tected industries. These industries tected industries. These industries have so advanced the prices of the goods the farmer buys they have increased the cost of living not only to the farmer but to ministers, teachers, lawyers, and other classes in the community as well, with the result that all these people have to be paid more now by the farmers than for-merly. In the face of these handicaps our farmers, until in the last couple of months, have had to sell their products in the lowest markets while buying their goods from pro-tected interests which have charged the most the tariff would allow."

A QUESTION AND ANSWET Hon. Mr. White: "The tariff has remained practically unchanged since 1878, while the rapid increase in the cost of living has taken place during the past few years. How do you ac-

Mr. Drury: "As I stated at the outset, the effect is cumulative. Great changes in the character of the rural population of a country, such as have been going on in Ontario, do not take place in a few years. When the pre-sent protective tariff was instituted in 1878 we had a large rural popula-tion and small cities. It was some years before the full effect of the new tariff became apparent. In time the large manufacturers began to absorb smaller concerns and later to the smaller concerns and laws to combine and advance prices. The new tariff gave an advantage to the manufacturers over the farmers and enabled the protected interests to pay wages to the working man which the farmer could not equal. This helped of the country. For a number of years farmers expected that each year would bring about an improvement, but as conditions continued to oppress them they began to leave their press them they began to leave them farms in an effort to do better else-where. While some may have left because of the so-called lure of the city, I believe their numbers were few. The people I know who have rew. The people I know who have left their farms did so because of the better opportunities they had to invest their money elsewhere while obtain-ing a more liberal return for their labor. THE DECREASE IN FARM POPULATION

"The best evidence of how serious this decline in rural population has the rural population of Canada was 4,324,810, and the urban population in towns over five thousand, 649,942. In 1911 the rural population, in spite of our increased immigration, had decreased to 3.924,394, while the urban

'This condition is utterly unnat-il. Under ordinary conditions, ople would flock to our unused d. While the free food proposal of the Liberal party would be a step in the right direction it would not, in my opinion, prove to be a panacea for the evil conditions existing. The high cost of living is due largely to the high cost of secondary products, such as pork, canned goods, and flour

population had increased to 3,280,444

WHAT IS NEEDE "What we must do is lift some of the burden off the farmer by enabling him to b cheaply. our far increase have al trade w it would by wide Britain smaller second ies, whi taining Britain bring goods, Canadia the this cost to importe

Febr

By cement. we will

One The arg average J. McKe

and th to rema objection ering Prem

manufa

tariff h viding Mr. would tries th ments separat The fa out pro fact, as combin hind or large f ones of that ev

these i

Hon

lieve th

stand speciali Mr. Under our ma ing un case o Some y nt ested and heir farm

1914.

he farmer

ch as the em somethe rural have to rom proindustries have in ot only to teachers, in the he result

than for se handi-the last d to sell markets rom procharged er ariff has

ged since se in the se during you acthe out-Great the rural as have

not take

the pre nstituted as some the new time the later . The e to the ners and

s to pay hich the s helped expense mber o ach year to opter else e of the

rs were ho have e of the to invest obtain-or their LATION serious ion has t in 1881 ada was

942. In

spite of had de-e urban ,280,444 ditions unused posal of step in not, in

rgely to ls, and

nabling

him to buy the articles he needs more cheaply. It is for this reason that our farmers' organizations favor an increase in the British Preference. have always liked this idea. Free trade with Great Britain would have many advantages. In the first place it would be a benefit to Great Britain by widening her markets in Canada manufactured articles. Britain has gone to war to obtain smaller advantages than this. In the second place, our steamship compansecond place, our steamship companies, which now find difficulty in obtaining return cargoes from Great Britain to Canada, would be able to bring back more of these British goods, thus reducing freight rates on Canadian goods to Great Britain. In the third place it would low-r the cost to farmers of all articles thus imported.

imported. "By making it easier for the farmer to buy such articles as nails, cement, and agricultural implements, we will lower the cost of production portance. We should consider it from

the pretence that the Canadian tariff was not high enough to protect it sufficiently against the competition of British manufacturers. When the employees struck, the Government appointed a commission to investigate the circumstances. This commission found that the company had oeen mak ing 50 per cent. on its investment, and in order to hide this fact had watered the stock and made it ap pear that they were paying only five per cent. on their investment, whereper cent. on their investment, whereas the fact was 90 per cent. of their stock was water. If we open a barrel of apples in the dark and pull out a rotten apple, the first thing we conclude is that a good many more apples in the barrel are of the same kind. That is the way we farmers feel about many of the protected industries in Canada. It is natural for dustries in Canada. It is natural for dustries in Canada. It is natural for us to suspect that we have many more like the Dominion Textile Co.



One Does Not! Need to Grow Special Crops to Use Commercial Fertilizers The argument is often advanced that while commercial fertilizers may be all right for truck growers they can not be made to the control of th

to remain or settle on our farms. One objection to this policy is that a low-

objection to this policy is that a lowering of the tariff would burt our
manufacturing interests."
THE PREMIME'S OBJECTION
Premier Borden: "The objection is
not so much that it would burt the
manufacturers as that our present
tariff helps the working man by providing him with labor."
Mr. Drury: "Iff this is the case, I
would point out that the two industries that show the greatest developments are binder twine and cream
separators. These have no protection.
The fact that they have grown without protection indicates that other inout protection indicates that other inout protection indicates that other industries could also. As a matter of fact, as our census figures show, the combines that have been formed behind our tariff walls have enabled the large factories to drive the smaller ones out of business, with the result that even less labor is employed in these industries than 20 years ago." Hon, W. T. White: "Do you be-

lieve that our smaller industries can stand the competition of the great specialized industries of the United

States?"

Mr. Drury: "Uadet natural conditions we believe that they could.
Under existing conditions many of
our manufacturing concerns are making undue profits. Let me cite the
case of the Dominion Textile Co.
Some years ago this company reduced the wages of its employees under

and thereby encourage more people the standpoint of Canada as a whole. Nothing but national disaster can happen, if the character and number of our rural population continues to decline as it has of recent years."

This concluded Mr. Drury's evidence. Premier Borden invited him to proceed, but as there were other speakers to follow, Mr. Drury gave way to them. It is well that farmers are beginning to think and talk out on these subjects. We will obtain the attention and respect of all other classes in the community only in pro-portion as we manifest t that we are thinking for ourselves and that we are prepared to defend our opinions in any company.

#### Recipe for Black Paint

I would like to get a recipe for mixing black paint to put a wainsect around the inside of the stable wal! I have seen a recipe composed of imphilack and whitewash recommended in Parm and Dairy and would like to know how to make the mixture.—W. M. I., Perth Oc., Ont.

Ont.
Wet the desired quantity of lamp-black in vinegar, then pour into or-dinary whitewash and apply. It must be mixed very dark because, when applied, it is considerably lighter in shade. We have this styl-of wainscoating in our own stable— A. S. Turner & Son, Wentworth Co., Ont.

It is well to strain milk, but it is better to never allow dirt to enter the



#### Grimm's Sap Spouts and Covers

The Grimm Sap Spouts are guaranteed to flow one fourth more sap than any Spout made, or money refunded. Price \$2.75 per 100.

Save Money By Using Grimm Covers Save Money By Using Grimm vovers.
The past Maple Syrup making season wa rainy period, and more sap wasted tha would pay for the cost of covers twice over Price per 16-inch Galvanized Iron Covers... \$6.00 12-inch Galvanized Iron Covers... \$7.00

Now is the Time to Send Your Order We are headquarters for all Improve Maple Syrup Makers Untensile. The GRIMM MFG. CO. LIMITED
Wellington Street Montreal, Qu



FOR SALE-Iron Pipe, Fulleys, Belting, Rails, Chain, Wire Fencing, Iron Poets, etc., all sizes, very cheep. Send for list, stating what you want.—The Imperial Waste and Metal Co., Dept. F. D., Queen





# \$100 to \$200

#### Selling Farmers What They Need

ry farmer in Canada needs and uses our kind of goods. Over 2000 man on asking be movey using Russleigh Quastry Products, Household Runner, Estates, Space, Todar, Astricke, Stock highest quastry, well suows and relable. When the state of th

in Winnipeg.

We offer you the opportunity to

#### Get Into Business For Yourself

With fittle compelition. We are the only concern of our kind who own and operate a factory in Canada. No dust, Freight services pumping. We want meen of good standing in their community, who can formish assistancing polinears, and trans for the conduct of the business. No seguringer required. We stack you how to handle the goods necessitally and stand bank of you wish the services of our guts. If you can meet our requirements, write for particular

The W. T. Rawleigh Medical Co. 66 Henry Street Winnipeg, Man.

HICH-CRADE SEED CORN, CLOVER, AND CRASS SEED FOR SALE

FLETCHER PAYS THE FREIGHT on orders of fire bus, and over to any etation in Old Ontario.

Special inducements to farmers and farmers' clubs. All orders receive prompt attention. Write to-day for prices.

J. A. FLETCHER - R. R. I. MERLIN



#### Bigger Crops of Better Quality! That's What a

# **S**pramotor

Will Get For You

Compared with what it will do for you year after year, a Spramotor's initial cost is trifling indeed.

We can prove to your complete satisfaction that you can increase fruit yields fully 80 per cent with a Spramotor. Also that it has brought 400 bushels of potatoes to the acre from land that formerly yielded practically nothing.

There is a big difference between the Spramotor and any other spraing machine made. For example, the spraing machine made is a sprain over twenty years in this one of the sprain of the

These are the reasons why Spramotors have won over a hundred First Awards and Gold Medals in different parts of the world, and why the Canadian Georenment, the State and Federal Governments or the United States and the leading agricultural colleges and universities in America use our machine.

You owe to yourself to know all about the Spramotor before investin in any spraying machine. We cannot tell all its points of superiority i one advertisement or in twenty. Take advantage of the following offer.



Write us a short letter, giving some idea of your spraying needs, and we will send you a copy of our valuable illustrated work on Orop Diseases, also full particulars of a Spramotor that will do your work to best advantage at

## HEARD SPRAMOTOR CO.

1781 King St., LONDON, Canada

## FARM AND DAIRY

AND RURAL HOME PUBLISHED EVERY THURSDAY.

SUBSCRIPTION PRICE, \$1.00 a year Great Britain, \$1.20 a year For all countries, except Canada and Great Britain, add 50c for postage.

ADVERTISING RATES, 10 cente a line flat, \$1.40 an inob an insertion. One page 48 inches, one column 12 inches. Gopy received up to the Saturday preceding the following week's issue.

UNITED STATES REPRESENTATIVES STOCKWELL'S SPECIAL AGENCY Chicago Office—People's Gas Building-New York Office—256 5th Avenue. CIRCULATION STATEMENT

CIRCULATION STATEMENT
The paid subscriptions to Farm and Dairy exceed
to the actual cremitation of each least including
to the control of the

OUR GUARANTEE

We distribute the control of the con

The Rural Publishing Company, Limited

PETERBORO, ONT.

#### The Selling End

"You farmers are positively the poorest market men in the world. You never seem to study market conditions at all. Take the matter of dressed poultry, for instance. Fowl can be marketed to far better advantage in June and July than in the fall. But the greater portion of the supply is marketed in the fall of the year, causing a glut on the market and prices that are not much more than fifty per cent. of the June price. My colleagues in the grain business tell me that the same condition prevails there. You have to get wise to this selling end." Thus did a produce merchant of Montreal deliver himself to one of Our Folks. Our friend was offended at the time, but when talking it over with one of the editors of Farm and Dairy a few weeks later, he admitted that in too many cases the produce man was "just about right."

Perhaps the greatest reason why we farmers are not better marketmen is that the problem is a comparatively new one. The farms of our grandfathers were practically self-sustaining. The marketing of surplus produce was a comparatively unimportant consideration. Only in the last few years has the selling end become of equal importance with the producing end. As individuals, we farmers can hardly hope to become marketing experts. The city produce merchant devotes all his time to buying and selling. The chief function of the farmer, however, is at the producing end, and in that one department he requires quite as much expert knowledge as does the merchant in the entire management of his business. Our best plan is to employ selling ability rather than to attempt to develop it in addition to our numerous other duties. And here and there we are doing it.

Fifteen farmers at Chatsworth, Ont., last summer established an association for the marketing of their produce. They employ a special agent, who makes it his duty to study markets and place their produce where it will bring the greatest returns. This association has now been running for several months. Their returns from

the sale of butter, poultry, and other products are larger than they were sold through the commission houses, and the organization has proved very satisfactory. The association has recently established its own store in Toronto. Each member on joining the association subscribed \$100. This \$100 is forfeited when it is learned that a member is selling his produce outside of the organization. The business is conducted on profits alone, no paid-up capital stock being necessary. This cooperative plan offers one good solution to the farmers' marketing problem.

#### Is This Economy Wise?

Last year's grain crops were decidedly short in many sections of Eastern Canada and the bare space in the bottom of the feed bin will be a little larger than is usual at this time of year. The size of this bare space is apt to be in direct proportion to the urgency of the temptation to cut down the cow's ration to match the depleted supply. This practice of apportioning the feed so that cows may be carried until grass without buying is followed probably by half the dairy farmers of the country, if not more. This practice usually goes under the guise of thrift. But is it true thrift?

A cow uses about 60 per cent. of her ration for maintenance. If you get below that 60 per cent. she has to draw on the reserve of her body. The consequence is not only a reduced milk yield but a poor bodily condition that makes it impossible for a cow to do her best even when she is turned on the best of pasture. A still more serious result of reduced rations where summer dairying is followed, is that the calves are apt to be weak and stunted. To breeders of pure bred cattle in particular this is a serious consideration.

In calculating our rations from now on we may as well decide that we have to feed a 60 per cent. quarter ration anyway to maintain the cow and that if we wish to feed to make any profit over and above her maintenance we must buy feed. Starvation economy does not pay in the long run with good dairy cows. This line of reasoning of course does not apply to scrubs; they do not pay anyway.

#### "Back to the Land"

Every now and then Farm and Dairy receives a letter from a city address asking for advice as to the advisability of settling on a farm. Just let week a young man yet in his twenties, who has been working in the general post office in one of our large cities for the last seven years, with \$1,000 of capital, told us that he was considering starting a poultry and dairy farm, and asked for advice as to the best locality in which to start, whether or not it would be advisable to keep pure bred cattle and closed by admitting that he has had very little practical farming experience.

The craving for life on the land, the privilege of holding some little portion for one's use, the desire to delve in the soil, is one of the primal passions of mankind. Even city bred men many generations removed from the soil, often feel the tug of nature and desire to return to the country from which their ancestors came. This "Back to the Land" fever has afflicted almost every city man at some stage of his career. Our friend in the city post office is only one of many with similar desires.

We wonder how Our Folks would have answered such a letter. It seemed hard to advise this young man to stay at an occupation that had come to mean little more than a treadmill existence for him. But we did not dare to advise him to start on a farm, even had he been able to get one with his limited capital. A man with so

little experience would be certain to make costly mistakes during the first couple of years. True, he would get experience and, having the advantage of being free from prejudice, would probably be quick to adopt up-to-date methods. But it takes plenty of capital to cover such mistakes as one is apt to make at the start. In fact the greatest drawback to this young man's starting on a farm is his lack of capital." The usual advice given to such a one, to go and work as a hired man on a farm for a couple of years, is almost impossible in this case as the young man has a wife and family, and a city-bred girl would hardly care to live the life of the wife of the average hired man in the country.

But what is the lesson for those of us who are now on the farm? We wonder if the men who today are leaving their farms realize that their sons may some day be in exactly the position of this young man,-tied to a treadmill existence, and unable to get away from it. Boys who leave the farms may find themselves in the same position after a few years. We know that farming seems unprofitable to the young man, who sees expensive motor cars filled with well-dressed, pleasure-seeking people rolling past the home farm day after day. These visiting motorists represent to him the city and its advantages. He does not realize that nine-tenths of a city's population is composed of people who eke out an existence by hard and continual labor in unhealthy shops and factories. Farming may not be a ready road to great wealth, but the man who owns his farm is one of the most independent men on earth. He has a diversified occupation that never lacks interest and he is living next to nature, which we believe is the place where God intended man to live. We would do well to consider carefully every phase of the question before leaving the old farm.

#### Fire Protection

If fire were to break out in your buildings to-day, would you be prepared to fight it? This is a question that we fear is well calculated to keep many of Our Folks awake at night if they allow themselves to think of it. And yet it is an important one and presents a problem that must be solved. We farmers have from twenty to sixty per cent. of our capital tied up in buildings and stock. The loss of this capital through fire would give us a setback from which it would take years to recover.

One of our Folks in Ontario County has pondered this question and his solution is a graduated fire insurance policy. His policy is so worded that during the summer months before the crop is put in the barn and when the loss from fire would be at a minimum, the insurance is proportionately low. During the early part of the winter when crops and stock might be lost along with the buildings, the insurance is strongest. By following this system our friend is enabled to get a maximum of insurance at a minimum price.

Another precaution that all can afford to take is to discard all of the old-fashioned lanterns that start a blaze every time they are upset. Safety lanterns can now be had at small cost that are perfectly safe even if upside down. Chemical fire extinguishers are not expensive, and might be distributed at convenient points throughout the buildings. Fireproof roofing material on all buildings and an efficient system of lightning rods guard against loss.

In the nature of things an efficient fire fighting service such as we find in all of our cities and towns is an impossibility in the country. The best we can do is to take all precautions against fire, and carry a paid-up insurance policy that will give us a fresh start when we are unfortunate.

A Pread "A Hired Rural de ject that i discussions.

Februa

less article tural paper flux into t tinues. Reader. your daily the strugg our cities. man and r lished in a is easily o can be hire words this is exac farm hands of remaini ing a com What ab daughters, about them

not have the hundr that confro They are can return whenever In the to and call of factory. work!" I.

different cl

have to ear

tend some

prenticed

"The pron the locods and b In sendir dentally t small ads. spring, he When you

farm prod investigati Of cours something and its re be "spicy" And, furth advertising others to ers must ! er and in pure-bred poultry, they prod exchange" has LIFE nere's ery maker

There's pe in the buy We've I People' t adv from adv it pays, a terest you appeal ou live ones Consider lists-keep

They give special ph Our ner March 5. in it?—T Number 7 "A Pape 1914.

ke costly

True,

e advan-

d probamistakes fact the rting on

l advice a hired almost

n has a d hardly

who are

who toat their

sition of

xistence, ho leave

me posifarming

vho sees dressed,

e home

notorists

ges. He

's poput an ex-

nhealthy

ot be a

an who

pendent

cupation

ng next

e where

well to

question

uildings

? This

lated to if they

ret it is em that

twenty

in build-

through it would

nty has

a grad y is so s before

the loss

surance

rly part night be nsurance ar friend rance at

to take

lanterns

e upset

nall cost

down

t points roofing t system

re fight-

ur cities

country. cautions ce policy

A Preachment to Hired Men "A Hired Man," Northumberland Co., Ont.

Co., Ont.

Rural depopulation is still a subject that is attracting much attention and causing many debates and discussions. In spite of the countless articles written in our agricultural papers and our dailies, this influx into the cities and towns con-

flux into the cities and towns continues.

Reader, you have only to pick upyour daily or weekly paper to see the struggles of the unemployed in our cities. A well known business man and manufacturer was heard to remark in one of our large cities that "a successful business must be established in a town or city where the said of the stable of the stab

can return home to a fine farm house whenever they feel so disposed. In the town you are under the beck and call of many bosses, the chief being the whistle or buzzer of your factory. hich calls "Hurrah for work!" I, you are a minute late it

#### AD. TALK COXXX

"The progressive farmer is always on the lookout for new helps, meth-ods and bargains."

ods and bargains.

In sending along his copy the other day, Mr. Forster of Markham, incidentally told us that from his two small ads. in Farm and Dairy last spring, he sold over 2000 bushels of

spring, he sold over 2000 busness of oats.

When you find readers of a farm opper reserving quarter, half, and even full pages for advertising their arm produces at little?

Of course you know at once there's comething different about that paper and its readers—the editorials must be "spicy" and "quench the thirst.' And, further still, you know that the advertising readers must expect the others to buy from them. The readers must have confidence and in their misseling each other purchased cattle, horses, hogs, sheep, pouttry, grain—in fact everything they produce—"We're a medium of exchange" for "Our People."

The farm paper that can do this has LIFE within it.

There's opportunity with it for everything the produce—"We're a medium of exchange" for "Our People."

There's opportunity with it for every maker of things used on a farm.
There's people behind it, too, who are

There's people behind it, too, who are in the buying mood.

We've been trying to teach "Our People" to both advertise and buy from advrtisers—and we've succeeded. Moreover, they have proved that it pays, and pays well, as they tell us from time to time. Does this interest you? I san't that where your appeal ought to be—in among the live of the people of the people

live ones ?
Consider it in making up your new lists—keeping in mind our specials. They give you wider service—on special phases of farm life.
Our next special number comes out March 5. What space will you need in it?—The Orchard and Garden Number of Farm and Dairy.

"A Paper Farmers Swear By"

is booked against you, or you lose a half hour. Then if you lose many you are fired.

you are fired.

Let me ask, are you ever at the command of such an instrument in the country? If you are a few minutes late with the charce does your boss stop any pay? Why no! Again in summer, what do you do in town? Rise at six a.m., be at work at seven and work nine or 10 hours a day; then work harder at night by walking the streets or giving your hardearned money to proprieters of picture shows and theatres. When winter comes with its stormy blasts you are stumped, without a cent, and consequently find times hard. Then you long for the good eld farm again.

Think this over, hired men, before me,

you long for the good old farm again. Think this over, hired men, before quitting the farm, and when hiring, hire by the year only or not at all. I think the time will come when many of the laborers and toilers in our cities and towns will be compelled to return to the land. So stay right with the land, men, and have an occasional good time in town. What is nicer than to walk into your nearest town with your pocket well lined on an occasional week-end, knowing that a good home and plenty of work give a good home and plenty of work

ing good returns, is yours for 12 or eight months, as the case may be? Spring will soon return with all its majesty, and so I think of the fol-lowing words by Longfellow:

'Gentle Spring in sunshine clad.
Well dost thou thy power display!
For winter maketh the light heart sad
And thou, thou makest the sad heart gay."

Marketing of Farm Produce

Marketing of Farm Produce
Editor. Farm and Dairy.—I contend that so long as the country merchant takes in farm produce for the
nurpose of trade, so long will matters remain in the unsatisfactory
condition they are at present. It
is impossible for the country merchant to discriminate between two
baskets of butter or eggs brought in
by two women. One basket may be
worth 25 per cent more than the
other in quality, yet if the merchant
were to make a difference in the
price he would soon lose a customer.

I believe that the only way out of

I believe that the only way out of this difficulty would be for each village or town to have one, two or village or town to have one, two or three reliable men to pay cash for all kinds of produce and pay according to quality. In this way it seems to me that the producer would soon come to realize that it meant money in his pocket to produce a good ar-

ticle. The great ery nowadays is for fresher eggs and better produce of all kinds, but I have yet to find anyone offering to come forward and put up the extra price for this good qualiful ended of goods which is in such demand. If those who are advocating a better quality of produce would give us an idea where to ship our produce in order to get these hich prices. I think things would certainly start to move.

"One Interested." "One Interested."

The annual convention of the Ontario Branch of the Dominion Alliance will meet in Massey Hall, Toronto, on Wednesday. Thursday, and Friday, February 25 to 27. This convention is now recomized as the great provincial problidition parliament of Ontario. It is hoped that the convention this ware will be a record backer in this year will be a record breaker in attendance, enthusiasm and business

Properly conserved and applied the manure from a single cow is worth 820 a year, says a United States ex-change. If this be true it is certain-ly worth the trouble to prevent this waste in the harnyard.

# DE LAVAL EQUIPMENT

For Farm, Dairy or Creamery DE LAVAL equipment is first, last and always high grade and dependable and includes only such machines and supplies as are known to be absolutely reliable and "standard."

#### Ideal Green Feed Silos

IT isn't too early right now to plan for the erection of a silo next summer.

The more you investigate the advantage of having succulent slage to feed your cows all winter, the sooner you will decide to erect a silo; and if you thoroughly investigate the silo question you can scarcely escape the conclusion that the Ideal Green Feed Silo is the best sile for you to buy.







Uses all fuels. Easy to start. Equipped with magneto. Develops tall

The most convenient, reliable and economical power for the farm, dairy, creamery or shop

THE "ALPHA" Gas Engine is the highest grade and most reliable engine that you can buy for any purpose whatever; but on account of its simplicity of construction and reliability of operation it is unusually well adapted for farm use.

### Dairy and Creamery Supplies



VICTOR CHURNS

THE DE LAVAL line of dairy and creamery supplies for milk dealers, creamerymen, cheese makers, and dairy farmers is by far the largest and most complete in Canada. We handle nothing but high grade goods, and successful dairymen know that this is the only kind they can afford to buy.

Our Service Department insures proper installation of all machines and supplies and is always ready to co-operate with our customers.

We issue catalogues of each line Any of these mailed upon request

## DE LAVAL DAIRY SUPPLY CO., Ltd.

LARGEST MANUFACTURERS OF DAIRY SUPPLIES IN CANADA Exclusive Canadian distributors of the "World Standard" De Laval Cream Separ MONTREAL PETERBORO WINNIPEG VANCOUVER



#### Why Not Cut Off the Two Cars of Filler?

It takes 400,000 cars to carry American Fertilizers to our farmers and planters every season. Forty per cent.—2 cars out of 5—of this stuft is Filler, which requires 160,000 cars! Order less filler, higher grade and

## Nitrate of Soda

for your active Nitrogen and save freight bills.

The greater productive capacity of high-grade fertilizers without so much filler means a greater outbound tonnage for railroads and greater purchasing power for farmers, so that railroads and everybody would be benefited.

DR. WM. S. MYERS, Cailean Nitrate Propaganda NO BRANCH OFFICES 25 Madtson Ave., New York



TMF grow broader, not by seeing error, but by seeing more and more the truth. -/ames Freeman Clarke. ...

## A Slip of the Tongue

By M. GIBSON (New England Homestead) (Continued from last week)

. . . . .

Although Miss 'Manda helped Mrs. Hopton by the day, during the busy season, it was more like an old friendship than the relation of employer and employed. Mrs. Hopton was thirty-four, scant, and Miss 'Manda a good sixteen years in the lead. Be-sides, they had been neighbors. friendly and equally poor, for all of the six years since Mr. Hopton had died-a well-meaning, incompetent man, who had left his plump, little wife no legacy but the struggle for It had been a hard struggle, and had taken the light from her eyes, the color from her cheeks, and had left her a thin, toil-worn woman. Rest and happiness and an unscrimped table might yet make her a pretty woman again; but these things were luvuries.

It was about three weeks after they had sheltered the stranger that Miss 'Manda with the freedom of long acquaintance proceeded to entertain herself by putting Mrs. Hopton herself through a catechism.

"I see you got your umbrella back Mis' Hopton. (This title of Mrs. was no formality, being purely a con-cession to Mrs. Hopton's dignity as a married woman. Unmarried it a married woman. Unmarried it would have been plain Hester, just as Miss 'Manda was plain 'Manda to all friends.)

Mrs. Hopton threaded a "Yes." needle with some precision.
"Took Nellie for a drive, didn't

"Yes." Mrs. Hopton evidently felt the need of an explanation. Miss 'Manda had not been sewing for her for over two weeks of the interval; but she did not live next door for nothing. "When he brought the umbrella home he came in a buggy, and asked if Nellie wouldn't take a ride in the country. It sort of made me mad, too. I didn't want any charity, and it seemed queer to send her out with a stranger; but he was real nice about it, and Nellie was so crazy to go. It did her good, poor child."
"Humph! Guess he thought Nel-

lie's ma needed the air, too, didn't

Mrs. Hopton's color heightened, and she laughed a little as she looked over at Miss 'Manda.

You seem to know a lot, 'Manda Yes, he took us both out on Sunday, and it was lovely. Maybe I shouldn't have gone; but I knew I mightn't get another chance to go driving from now to etermity, and I didn't care if didn't know him very well. I felt like another woman; but my, it was hot coming back to the city and this stuffy little box."

What's his name?" inquired Miss 'Manda relentlessly.

4 UMPH!" observed Miss 'Manda again, and made no fur-out on a farm. We went past part of it, and it was beautiful." of it, and it was beautiful." Miss

"I s'pose he'll do, then?" Miss 'Manda suggested dryly, and her eyes twinkled again as the color flamed into Mrs. Hopton's thin cheeks. " 'Manda, suppose you mind your

business. I don't believe he heard me say that at all."

Miss 'Manda shook with noiseless mirth over the ruffle she was hem-ming, but knew her friend too well

and a little time to enjoy him, than to slave myself to death to get auto-mobiles and frills, and die of overwork before I could use 'em.

"It is better, a great deal better." Mrs. Hopton looked rather wistfully over the broad fields they were pass-She was thinking that some ing. people must come near to dying of overwork for the bare necessities of

"There's my house, the white one on the rising ground," he said, indicating it with deprecating pride. "Tisn't as fancy as some, but it's old and solid, and I like that kind. If you don't mind I'd like to have you stop and rest a moment. We'll have some of Mrs. Smith's sponge cake"—this in a friendly aside to Nellie. "Mrs. Smith's my house-She and her husband look keeper. after my straight." things and keep me

"It's a pretty house. It's better than the fancy ones," said Mrs. Hop-ton soberly, looking toward the well-built old house set back from the road, with the straight pillars gleaming immaculately white through the It was plain, because it had been built in the days when a solid plainness was the fashion; but it looked cool and roomy and very home-

"My next door neighbor thinks I'm



"We Are All Ready For Fun."

to take offence at this vigorous retort. Mrs. Hopton had neglected to tell Miss 'Manda that George Dunbar had come twice during the previous week at evening, and that Nellie and she were to ride again on the following Sunday afternoon. Nellie was conscientiously sent to Sunday School in the morning, while her mother bak-ed and swept and scrubbed for the ensuing week; and when Mrs. Hop-ton stepped into the carriage that afternoon, under the stare of a score of neighbor's eyes, she sighed in weary relief at the comfort of it all.
"You're tired," Dunbar said in

friendly fashion as he helped Nellie in after her. "I believe you're trying to see how near you can come to killing yourself without going clear off."

"It's a hard season now," she said apologetically, knowing full well that she was nearly killing herself, because there was nothing else to do.

They drove out through the sub urbs by the shortest route and breathed freer as the breezes came to them across the fields. Then he went back to his first remark

"I don't believe in taking the world too hard. I like to be comfortable. I'd rather have fewer fancy things in this world, and take a little more human comfort as I go through it. I'd rather have a good driving horse

dreadfully extravagant, because wasted so much good land in grass and trees," observed Dunbar jubilantly, as they went swiftly up the drive-way. "He'd like to see a potato patch clear up to the front door, but my folks always had it this way, and I wouldn't miss all that shade and the rose bushes my mother tended, for a dozen patches. Maybe you think a man ought to be more ambitious and "I think you show good sense,

said Mrs. Hopton emphatically, and he laughed as he helped her out before the broad, old-fashioned veran-

"I like my fields and orchards, and I like to work in them: but I'm forty-five now, and it's time I got ome enjoyment out of both ends the place. Don't you think it looks nretty trim for a bachelor's quarters?
That's Mrs. Smith's work."
Mrs. Smith appeared in the door-

way, broad, smiling, and not a little curious. She tucked thin little Nellie under one arm and embraced mother and child in an expansive smile of welcome.

"I'm right glad to see you," she said hospitably. "Mr. George here, said he might bring company. Do come in and sit down while I get a little bite. I said to Mr. George. says I: 'If you bring company,

want them to taste my sponge cake and blackberry wine." She bustled off, but Dunbar called

after her: "S'pose you show Nellie the bantams, Mrs. Smith I was telling her about 'em."

He turned back to Mrs. Hopton a twinkling smile as Nellic with

danced delightedly off.
"Didn't I do that neatly?" he asked, and then sat down in front of her with an appallingly businesslike manner. "I want to say something," he continued earnestly, "and I won't have more than five minutes to say it in. I'm forty-five and I've got a good many grey hairs, too many to have the right to get romantic, may-be, but after knowing you for four weeks, I've got this much to say: love you, and if you'll take a crotchety old bachelor. I want you to come here and call it home. 'Tisn't rightly home after all, unless there's a wo-

He spoke somewhat doggedly, finding it hard to get the right words but the remarkable suddenness of the declaration had left Mrs. Hopton mute and breathless. Her hardworked little hands trembled in her lap, and the tears were not far away. Presently, as she hesitated, looking far out over the shaded yard, a boyish twinkle came into his eyes.

"I've got a steady job, Hester," he suggested meckly.

Mrs. Hopton turned upon him with blazing cheeks, and lips which quivered in shamed pride.
"You heard?" she said tragically,

and her voice broke. What could he have thought of her? Dunbar leaned forward impulsively, laying his big hand upon her wrist.

"Oh, now, don't you take it so hard. I knew you were in fun. As soon as I knew you at all, I knew you weren't the kind of woman to be man-crazy. I couldn't help hearing, and that was why I ran into your house out of the shower, rather than any other. I was amused then, a little, and I was sort of curious when I saw you and remembered what I heard. And then I wanted to come again. Now, come, you haven't answered me. I want to have you here as soon as you can pack your trunk and take time to be married. And Nellie can get as fat and healthy as I am. Now, Hester dear, please."

Mrs. Hopton's answer is not on cord, but a few moments later, record when Nellie came dancing back to the cool little sitting room, Dunbar turned to her unabashed by the interrup-

"Nellie," he said jubilantly, calmly keeping one arm around her warmly blushing mother. "Nellie, come kiss your dad."

. . .

Parsley may be kept green and fresh all winter. Put it in a strong boiling hot brine of salt and water. Leave in a half hour and then hang in a dry room with the blossoms for flavoring soups, dressings, etc. as when it is freshly grown and gathered

"Well, my love," said Mr. Duddpolls, "did you get your vote at kins, after his wife's return from the

'Yes," said Mrs. Duddkins, with

a happy smile. "There it is!"
She placed the ballot upon the

"Why," said Mr. Duddkins, "didn't

"Cast it?" retorted Mrs. Duddkins, "Cast it?" rou don't suppose for a moment that now I've got it. I'm going to let go of it, do you? Not if I know myself-I'm going to have it framed."

\*nesees The \*\*\*\*\*

Febru

Streng

"As thy be." This str mere strer of soul, m need so so

Is there dreading then cling this verse. His promi comes in A very

critical or her the ho to take pla After this it will not those about ing to hea loved one of anxiety even to th be as at arisen son enne

3T :

a of sun lover; be only goos

in the ho the doctor and deare How wo place deta losely lin same days ing on in completed one, so th time were ry as mig

they not Recently of her tee first and tor had s the below first anxie mother be must leave will be wi But wh

that her l home, I held every could wis agonizing much at though th erintender many year a rare exc ly she slip The the

the suffer

we live w taken awa could you time," sh great hap with the keen joy. strength

#### onge cake The Upward Look bar called

#### Strength in Time of Need

"As thy day so shall thy strength

This strength means not only the mere strength of body, but also that of soul, mind and nerves which we need so sorely in the great crises of

Is there a time now which you are dreading with a great inward terror?
Then cling with all your strength to
this verse, because God never fails in
His promises though His help often

comes in most unexpected ways.

A very dear one had to undergo a critical operation. For those loving critical operation. For those loving her the hours of susp. se when it was to take place were most dreaded ones. After this in thinking of a hospital it will not be of those in pain or of those about to have an operation that they will think of, but of those waiting to hear from the physician if the loved one has accordingly present loved one has successfully passed through the ordeal. Yet in those hours of anxiety there was not much time even to think what the outcome might be as at the last moment there had arisen some complications about spec-

## OUR HOME CLUB

#### The Passing of a Member

Readers of our Household Department, and Home Club members particularly, will learn with sorrow that Mrs. Ivan V. Folliott, of King, Ont., known to our Home Club as "Cousin Ivan," has passed away. Home Club readers will no doubt remember the very interesting and helpful letters Cousin Ivan used to send in, when, with good health, she was one of our most faithful members. We received the folowing letter last week from Miss Alice Ferguson, a well-known contributor to our Household Depart-

:contributor to our Household Depart-ment and a very intimate friend of Mrs. Folliott: "I regret to say that Mrs. Folliott passed away on Thursday morning, Feb. 12th. For over two years she had been fighting a weakness of the lungs, but it was only during the last two weeks that she became seriously indisposed, the heart and lungs together giving out. She was confined to her bed for only a few days, but so full of pain that death was a happy release.
"In death her face was illumined

CONTRACTOR DE LA CONTRA

T is not rare gifts that make men happy. It is the common and simple and universal gifts; it is health, and the glance of sunshine in the morning; it is fresh air; it is the friend, the lover; it is the kindliness that meets us on the journey; it may be only a word, a smile, a look-it is these and not any rarity of blessing that are God's gentle art of making happy.

—G. H. Morrison

a construent de la cons

it that the tragic and the common-place details of life should be so closely linked together. During those same days some alterations were go-ing on in the house which had to be completed before the return of the sick one, so that mind and thought and time were so much occupied with them that there was not the time to wor-ry as might have been the case had

they not been especially occupied.
Recently a young friend not yet out of her teens, was passing through her of her teens, was passing through her first and very deep sorrow. The doctor had said there was no hope for the beloved mother. The daughter's first anxious thought was "How will mother hear it when she realizes she must leave us, for she knows what life will be without her?"

But when the dreaded hour came, But when the dreaded hour came, the sufferer was so worn from pain, that her last words were: "I want to go; don't keep me. I want to go home, I want to die." And yet life home, I want to die. And yet life held everything for her for which we could wish. There had been the agonizing fear that she would suffer much at the last moment, and al-though the doctor, who had been superintendent of a large city hospital for many years, said a painful death was a rare exception, peacefully and quietly she slipped away from them.

The thought often comes, how can we live without a certain dear one. A friend, whose beloved father had been friend, whose beloved father had been taken away suddenly, was asked, "How could you bear it?" "Because at that time," she said, "God had sent a great happiness into my life, so that with the bitter sorrow there was the keen jov. "As thy day, so shall thy strength be."—I. H. N.

ial nurses. Then came the hard days in the hospital when the loved one hovered between life and death, when the doctors allowed even her nearest and dearest to be with her but little.

How wonderfully God has planned it that the tragic and the commonplace details of life should be so bor, a true friend, a good mother to bor, a true friend, a good mother to be in the tragic and the commonplace details of life should be so her four little children and an inspiraner four little Children and an inspira-tion to her husband. Her ideals were high and she and Mr. Folliott were full of plans for beautifying their farm and for bringing up the children to be good and useful citizens. When in health she was a worthy church worker, a bright member of our Women's Institute and a living argument for Christianity.

> "Farm and Dairy was read in their home from cover to cover, and talked over and quoted, until as our hired man said, 'it was their Bible,' only they always gave the Holy Bible first

"Mrs. Folliott has passed away at the age of 30 years leaving her hus-band and four little children bereft of their best earthly friend. I, too, have lost one of my most companionable and helpful of all friends."

. . .

Little Jim, though he attended Sunday School every week, did not know quite so much about scriptural history as he ought to have known; but when his sister asked him, "Where was Solomon's temple?" he was ra-ther angry that she should think him unable to answer a simple question like that

"Don't you think I know any-

"Well, where was it, then?" his sister repeated, and then he informed

"On the side of his forehead, of course—the same as other folks'. Do you think I'm a dunce?"

# HERE'S A BARGAIN THAT IS A BARGAIN

WHY

First—Because we give you this beautiful China Tea Set, pictured below for nothing but a little of your spare time.

Second-Because this spare time could be spent in no more profitable way than getting your friends to subscribe to Farm and Dairy, even if you got no premium at all.

Third-Because we have had letters from over a Hundred persons who have received these Tea Sets from us and they all claim they certainly were bargains.



If you could only SEE these Tea Sets, we would not be able to pack them up and ship them out to you fast enough. But since you cannot see them, we will have to tell you about them as best we can. Here is a letter from a lady who has seen one and is now particularly anxious to get one:

Rednersville, Feb. 12, 1914.

Farm and Dairy, Peterboro.

Dear Sirs:

Have you any more Tea Sets like the one you sent to Miss Carroll Weese, Rednersville? It has just a plain gold band. If so, I will GLADLY get you Four new subscriptions for one. I do not wish a set decorated with flowers, as I already have one. If you have not one like hers let me know as I like hers very much, it just suits me-

Sincerely,

MRS. JOHN A. WILSON.

We have now Three Different Sets to choose from: Pink Roses, Yellow Roses, and the plain white with the gold band.

In answering please state which set you prefer

A SET SENT TO YOU ON RECEIPT OF FOUR NEW SUBSCRIPTIONS TO

Farm and Dairy, Peterboro

ght words Mrs. Hop-Her hardled in her far away. d, looking ard, a boyeyes. Hester," he n him with which quiv-

1914.

telling her

s. Hopton

"he ask-ont of her slike man-thing," he I won't tes to say

many to

ntic, may-

to say: 1

come here

gedly, find-

tragically, at could he nbar leaned ng his big

take it so fun. As I knew you to be man earing, your house r than any en, a little, when I saw at I heard. ome again. iswered me. as soon as k and take Nellie can I am. Now,

is not on nents later, back to the unbar turn-he interrup-

her warmly , come kiss green and

in a strong then hang he blossoms it is as nice ssings, etc. A grown and

Mr. Duddrn from the ur vote at ldkins, with

is!" t upon the kins, "didn't

s. Duddkins.

ppose for a ot it I'm go-rou? Not if g to have it



## Edison's Latest Wonder The Blue Amberol Record

is so faithful and lifelike in its tone reproduction, so fine and broad in the scope of its selections, so high in its plane of artists, that you can almost see the stage setting.

For more than four minutes, thou-sands of times, the Blue Amberol unwinds to you the most luxurious entertainment you ever knew, It never wears out and won't break. Drop in on your Edison dealer today. He'll be glad to give you a concert free. Specify the Blue Amberol always.



100 Lakeside Ave., Orange, N. J.

## FREE

Now is your chance to make your home attractive Until March 1st we will tell you, free of charge

Until March 1st we will rell you, free of charge, how this may be done.

Write us about any room you want to fix up and how much you want to spend [\$10,00 will allo wonders], how much you want to spend [\$10,00 will allo wonders] or material with informatil well you free, samples of material with informatil and the price.

Write at once. Ask us anything you want to know about fixing up your home, and we will gladly give you the benefit of our experience free until March lat.

MALL HOUSE DECORATING COMPANY

1 Liberty Street, New York, N.Y.

catalogue giving descriptive list of rural books for farmers, stock rais-ers, poultrymen, etc. Write for it Book Dept., Farm and Dalry

\$1.00 LEARN \$1.00 PIANO IN ONE HOUR

PIANO IN ONE HOUR

Without Notes or Teach or age of the top of the

Leader Sales Company, Dept. F, Toronto, Ont-

## Black Knight A CANADIAN KNIGHT DISTINGUISHED SERVICE ORDER COMPANION OF THE RANGE A PASTE | THE FF DALLEY GUD. NO DUST NO WASTE | HAMILTON CANADA NO RUST



#### The Winter Dining Room HE decoration of a dining room

depends largely on whether depends largely on whether it adjoins the living room, or is across a hall. If the dining-room and living room adjoin and are con-nected by large double doors, the two rooms should be decorated almost alike. The wall paper should be the same; or if one room is a little darker than the other, use for the darker room a paper of the same color but a lighter shade.

lighter shade.

If you do not wish to use the same cretonne in both rooms, you can use a solid color for the dining room hangings. It is a good plan to use the same color as the table covers in the living room. This serves to bring the two rooms together. Between the two rooms together. Between meals it is always pretty to have a runner across the table. This should be of the same stuff as the hangings and about 18 inches wide.

When the dining room does not ad When the dining room does not adjoin the living room, it can be decorated entirely independently. Blue and white dining rooms are always pleasing. There are many cheap pleasing. There are many cheap papers on the market now in deli-blue and white. One of the best de-signs is a conventionalized tulip. With a paper like that it is well to use plain blue denim for hangings. If you want to keep the room light and airy, put dotted muslin curtains at

the windows WHAT RUGS TO USE In a dining room, rugs should be durable. In case you use a solid paper the rugs may be figured and are less apt to show spots of any kind But with a figured blue and white paper the rug should be a dark blue solid color with a woven in border of a lighter shade of blue. These rugs come in cheap grades that are reasonably durable.

In a dining room as in a living room. the kind of furniture you have room. the kind of furniture you have makes less difference than you would think. If your table is ugly put a cover on it that hangs down about a foot all around. Then you get the charm of the color of the cover and forget about the table.

Sideboards are generally either pretty or ugly, and there is very lit-tle that can be done to make an ugly sideboard attractive. But if it mars the beauty of your room, it can al-ways be moved to the pantry, where it is just as useful. A built-in corner curboard for china adds much to a dining room. You can find a pic-ture of one in any book on old furniture, and the family carpenter can copy it.

A serving table is a great comfort a housekeeper, and a good design to a housekeeper, and a good design is the one that has the appearance of three deep shelves, the lowest being about three inches from the floor. This can be made of cheap wood and stained the color of the rest of your dining room furniture.

SIMPLIFY SERVING OF MEALS

There should be a five-foot screen before the door leading to the pan-try. Three panels 15 inches wide is a good size. Get the carpenter to make you the frame and then tack over it stuff like vour hanging it vour serving table is placed behind this screen, it will be found to greatly simplify the serving of meals in a quick orderly manner

A dining room should, above all, have a clean, clear-cut appearance. the solidar clear-cut appearance. It should be kept free from all unnecessary furniture, and there should always be flowers on the table. Artificial flowers can be bought for very ittle and are so wonderfully made now that it is difficult to tell them from real ones. In winter a vase of there flowers, however small, on the dining room table makes a differen in the appearance of your whole



## Choose which Grain

you like best for your white agar and buy St. Lawrence Pure Cane Granulated white, in original bags - Fine grain, medium or coarse. Each the choicest sugar.

Ask your Grocer. ST. LAWRENCE SUGAR REFINERIES, LIMITED MONTREAL

#### FARM HELP

We are now organizing parties of Men and Boys for Ontario Farms to arrive February, March and April. If you are requiring help, for full particulars apply BOYS' FARMER LEAGUE wer 126 Winona, Ont

## "In One Hour I Learned to **Play the Piano** at Home"

Without Lessons or Knowledge of Music You Can Play the Piano or Organ in One Hour.

Wonderful New System That Even a Child Can Use.



Impossible, you say! Let us prove it as our expense. We will seach you to play seat under expense. We will seach you to play seat under you can play.

A mutcal genins from Chicago has cone can hearn to play the Pinno or transin one hour. With this new method you you have you will be not one can be not only the property of the proper arm and Dairy

#### FREE TRIAL

The complete system together with 100 pieces of music will then be sent to you plees of music will then be sent to you plees of music will then be sent to you not not be sent to you will be to pay. You keep it seven days to thoroughly prove it is all that is sent us 11,00 and one dolar a mount until \$4.00 in all is paid. If you are not deliktled you will have risked nothing and will be under no obligations to us.

But the province of the prov

Februa

"Oh, "Oh, c of doors to is curl up a nap. A and steam conductor, plays. W Mamma

brightly. house. coax doze under this watch the "But the sight," sa

those cru Mamma opened th ed them o the apple
"See, t
ma!" cri

to come 1 "We my mice," w over Carl birdies! the snow Soon t apple tre

sly peck fear and hungrily, a piece o breakfast tasted reddees? T

"Some plied ma sparrows. are just spots; se that little he seems "for he is

"It is party. S and qua fluffy bro the same are so da

gar,

1914.

rain white rence ite, in rain,

LIMITED 26-10-13 LPs of Mor

Dur ano 99

wledge of e Piano our. at Even s

lust Think,

IN

om another, you can be with all the wing it well. that even a thout costly be this new by asking, e the Easy mounced in

office. Ad-187 Wilson



#### Carl's Pets

"Oh, dear!" sighed Carl, "it snows all the time and I can't go out snows all the time and I can't go out of doors to play. Buster cat is so old and sleepy that all he wants to do is curl up in a warm corner and have a nap. And I've played Santa Claus and steamboat and snow plow and conductor, till I'm tired of those plays. Wish we had a jolly, lively kitten to play with me. But the boy. Manana pitted her Jonely little boy. Manana pitted her Jonely little boy.

He was not used to staying in the the pretty birds flew away.

"They are wiping their little bills on the branches, every single one of them, just same's Buster washes his face after drinking his milk. Now, if they have finished their breakfast, they have finished their breaklass, they will fly away, and I can't see

"I think the bread will not be left to waste. Perhaps they will go and find some more hungry birds." Sure enough! away they flew, but were soon back with twenty or thirty

were soon back with wearly of university of more. The path was full of brighteyed, fluttering little birds who ate
eagerly. If Carl moved and made
much noise, away they would fly into the tree to wait until all was quiet

again.
"'Do you s'pose they'll come to-morrow, mamma?" asked Carl when the last crumb had disappeared and



What Boy would not be proud to own a Family like this?

"But there isn't a single bird in sight," said Carl. "They won't find those crumbs."

Mamma kept on breaking bits of stale bread in hot water. Then she opened the kitchen window and tossed them out on the snowy path under

the apple tree.

"See, there comes one bird, mamma!" cried Carl, "but he is afraid to come near the house."

"We must keep as still as two wee mice," whispered mamma, watching over Carl's curly head. "Poor little birdies! They must be hungry, for the snow has covered up all their food."

food."

Soon there were dozens of busy little fellows hopping about in the apple tree and darting down for a sly peck at the warm bread. After a while they saw there was nothing to fear and were less shy. They ate hungrily, sometimes flying away with a piece of the bread. "I wonder if they ever had a hot breakfast before? They act as if it tasted real good. Are they chickadees?" They don't look all alike." "Some of them are chickadees," "some of them are chickadees,"

"Some of them are chickadees," replied mamma, "but there are also sparrows. Aren't they cunning? Some sparrows. Aren't they cunning? Some are just dull grey; some have black spots; some are speckled; others have light, fluffy breasts; and see that little smooth bird, so dark that he seems almost black."
"I like him best," decided Carl, "for he is very polite to the others."

"It is a very well-behaved little party. Sometimes the birds are noisy and quarrelsome. See those five fluffy brown birds sitting together on the same branch as if they wanted to have their photographs taken? They are so dainty and pert."
"Oh, look, mamma!" cried Carl.

house. "Les me think," she smiled brightly. "So you want some pets, dear? Well, just watch now while I "Even birds soem to remember their coax dozens of little birds to come under this window where you can these little wild creatures can be "Even birds seem to remember their Triends. If you are good to them, these little wild creatures can be tamed and make lovely pets."—Farm FOR SALE AND WANT ADVERTISING and Home.

#### Obedience Worth While

Bobby stood looking sorrowfully at Bobby stood looking sorrowrusy at his new Shetland pony that his father had bought him yesterday. He had decided to name him "Diamond." Father had taken him for a ride last night, but now Bobby and sister Bessie wanted to drive him. Father had told him not to drive Diamond. Bobbus thought if he drove down the wood. by thought if he drove down the wood road with Bessie there could be no harm, so half an hour later they were narm, so hair an nour later they were trotting slowly through the silent wood. "I don't think pa will care as long's I don't go on the town road," said Bobby, but Bessie didn't

road," said Bobby, but Bessie didn't think it was quite right. Suddenly Bobby heard a humming sound followed by the appearance of an automobile. Diamond had never seen an automobile before, and now what was this big object coming toward him? It was too much for the pony's nerves, so he dashed to one side. The cart hit a tree and Bobby and Bessie found themselves on the ground

They were not hurt, but the front and dashboard were damaged The chauffeur had the cart repaired, and Bobby and Bessie now take many rides alone, but never without their father's consent.—New England Home-

According to this advertisement in a Connecticut country paper, there is a cow in New England which is pos-sessed of rare accomplishments:

"Wanted — A steady, respectable young man to look after a garden and care for a cow who has a good voice and is accustomed to sing in the

## They use Maxwell's Churns in Denmark-

Fancy! Denmark—the great butter-producing country of the world—send all the way to Canada for Maxwell's Churnal Also used in Australia, New Zealand and S. Africa. Convincing proof, this, of the excellence of these well-known churns. Best of all is the—



"FAVORITE" CHURN (with Bow Lever)

Notice the adjustable handle on the bow lever. No other churn has this. Handle can be moved to centre or either side, whichever is most connt for driving.



You can buy the "Favorite in eight sizes. Strongest and best made churn on the mar-ket. Easy to work. Gives ket. Easy to work. Gives aplendid results. Ask your Dept. "D"

ST. MART'S, ONTARIO

DAVID MAXWELL & SONS

#### MANGEL, TURNIP FIELD CARROT

FIELD CARROT

Dit you ever miss your Mangel or Turnip crop through seed that did not continuous the property of the property o

paid, 360-6 lbs or over at 30c.
MAMMOTH SMOOTH WHITE INTERMEDIATE CARROT-Price, per lb., 60c

GEO. KEITH & SONS, 124 KING ST. EAST, TORONTO Seed Merchants Since 1866

THREE CENTS A WORD, CASH WITH ORDER

HELPFUL LITERATURE for Bible Study, free on application.—International Bible Students' Association, 59 Alloway Avenue, Winnipeg, Man.

We have only a limited supply of those Al Quality Henry Boker Razors.

They are being offered for One New Subscription to

FARM AND DAIRY, Peterboro



asking. Send for it to-day.

INTERNATIONAL CARRIAGE CO. BRIGHTON ONT.



242

As good as New Milk at half the Cost



100 pounds makes 100 gallons of Perfect Milk Substitute.

Send for pamphlet, "How to Raise Calves Cheaply and Successfully Without Milk." At your Dealers or

#### **Every Farmer and** Dairyman

who expects high prices for butter needs salt of fine quality.

## **PURITY SALT**

will give the flavor-keeping quality and bring the big prices. You can prove it for yourself. Just send to our factory for samples of

## The Salt that Satisfies

Prices mailed at your request.
A card will bring them—write it now.

## WESTERN SALT COMPANY LTD.

Dept. "A" COURTRIGHT, ONT.

BUTTERMAKER, twelve years' experience, open for engagement. Apply Box 802, Farm and Dairy, Peterboro, Ont.





CONCRETE SILOS Any size with the London Adjustable Silo Curbs. Send for Catalog. We manufacture a complete line of Concrete Machinery. Tell us your requirments. LONDON Concrete Machinery Co'y., Limited Dept. B. London, Ont. Largest Manufacturerson concrete machinery in Canada.

Fleming's Spavin and Ringbone Paste

remove the lameness and make the remove the lameness and make the resego sound. Money refunded if it ever list. Easy to use and one to three 66 minute splications cure. Works just as well on debune and those Spavin. Before ordering buying any kind of a remedy for any kind a blemish, write for a free copy of Fleming's Vest-Pocket

Veterinary Adviser
Veterinary Adviser
ty-six pages of veterinary information,
special attention to the treatment of
tishes. Durably bound, indexed and
trated. Make a right beginning by
ing for this book
T.E.MING BROS., Chemists.

83 Church Street, Toronto, Ont.

## Dressing Well a Matter of Judgment

Form and Dairy patterns shown in these columns are expecially prepared for Form and Dairy Human Polit. They can be retired upon to be the latest match and include the most mid-garden between the continuous and include the most mid-garden between the continuous and the most measure for a deal to the late but or waiti measure for adults, age in children and the number of pattern desired. Price of all patterns to Our Folks, or each dedress all others to Pattern Dayl. Form and Dairy Peterborn, Out.

WE women are the subject of culf. Stitching in contrasting color women are the subject of our. Settening in contrasting color considerable relieule for the forms a unique finish on front and way in which we dress and be cuffs. Six sizes: 34, 36, 38, 40, 42 cause we are such slaves to fashion. and 44 'nches bust measure.

While aware that in some es this ridicule well warranted, ret there is no exyet there is no exfollowing such ex-treme fashions that she will be the subject of comment. No matter what the prevailing styles may be we are privileged to use our common sense and good judgment in select-ing the models from which to design our own and our chil-dren's garments.

No doubt some of our readers are al-

ready wondering what materials will g in vogue spring. The stores have begun to show an array of spring goods, and we note that more and of the bi brighter have been used this win-ter will be favor-ed. Blue will be one of the most popular, light popular, shades such as Royal, Chinese and Persian being some of the best A the best new shade of brown called "rust" for excellent those who nnu becoming, and a new shade of pur-new shade "fox-

will be in great demand. In our designs this week we are again showing again showing couple of pleasing models for the 'little miss.' Mothers who find it difficult to keep their children, who are growing quick-ly, nicely dressed, will appreciate the various styles that are shown in these columns from time ne. In the design, No. to time. 9781, the fronts are cut square below a chemisette, outlined

by revers that meet a deep round collar. The skirt is gored and arranged in deep plaits in panel effect back and front. It is cut in four sizes: 8, 10, 12 and 14

In design No. 9788 the practical In design No. 9788 the practical feature is the closine in front. Blue serge could be used to good advantage in fashioning this freek with trimming of black soutache braid on tan colored serge to form a contrast for chemisette, collar cuffs and belt. Four sizes: 6 to 12 years.

A simple shirt waist in tailored style is shown in No. 9767. The design shows the popular long shoulder and may be finished with deep straight cuff or the added pointed











pearance at all times. Design 9778 times. Design 9778 is a pleasing model and cut in sizes from 34 to 44 inches

Six sizes: 34 to 44 inches.

A splendid suit coat is shown here This comprises a lady's coat, pattern No. 9752, and skirt pattern 9733. It will not be long until it will be the time for wearing suits will be the time for wearing suits again, and it is always well to be prepared beforehand by selecting our styles early. This suit could be nicely designed from striped serge in blue tones, with trimming of blue moirs in a darker shade. This model calls for two, in the serge of sizes 34 to 42 inches bust measure.



fashion's

within

taking

long strides. 9771 we sho

skirt which

oped in almost any be suitably devel-

22, 24, 26, 28 and

In 9775 a season

able top garment for the small boy is illustrated. This

overcoat has a square yoke in the

the back is plaited.

The fronts are double breasted and

closed high at the

3, 5, 6, 8 and 10

A simple and comfortable gar-

ment to slip on while in one's room

ticularly wishes to

have solid comfort

white striped flan-

there is one

Five sizes

and

back and below

the popular ma-

inches waist

steps

new

model

terials.

neck.

is she 9782. shown in design

zone we must

course patronize the tight skirts. But there is no

reason why anyone should wear a skirt

that is too tight to

step in easily. All we have to do is to

ecome resigned to

shorter

lady's

rather than

we show a and stylish

EVERY farmer known milk VERY farmer knows that and better milk when they are contented. Are your cows contented? Are they profitable? If not, make them so by doing away with your old-time wooden stalls. They gather dirt, harbour disease germs, and prevent the free circulation of life-giving air and sunlight.

# LOUDEN Perfect Barn Equipments

The LOUDEN Tubular Steel Stable Equip ment is easily and quickly installed and insures cleanliness and ventilation. Its use means comfort for your cows and profits for your GET INTERESTED. WRITE TO DAY.
Our book, "Perfect Barn Equipment," and the
service of our architectural department, are fee-

The LOUDEN MACHINERY CO. Dept. 52 - GUELPH, Ont.



### for a Horse

Save a horse and you won't have to buy one. Don't sell or destroy any horse on account of Spavin, Splint, Ringbone, Curb, Sprains or Lameness. Spend one dollar for a bottle.

# SPAVIN CURE

has saved a great many horses— them back to work, even after the been given up. Over 35 years of have proved its value.

Mr. J. M. Greadin of St. Lin, Qua. writes;

Our for many years, always with exceptions results.

Statement results.

Statement results.

Statement results.

Freed, Statement results.

Statement results.

Freed, Statement results.

St

Dr. B. J. Kendall Co., Enosburg Falls, Vermont, U.S.A.

WE Want CREAM WE Pay Express WE Pay Every Two Weeks

BELLEVILLE CREAMERY, LTD. Belleville, Ontario

## FOR SALE

Greamery Equipment complete, including boiler, waggons, cans, etc., practically new; also lee cream freedrand shipping tube. Unusual opportunity to scurre up-t-date outfit at a great bargain. Will sell separately or on bloc. BOX 614, FARM AND DAIRY.

RIDER AGENTS WANTED



We ship on approval to any address in Carada, without any deposit, and allow 10 DAYS'TRIAL. It will not cost you a cent if you are not assisted after using biografs no days.

DO NOT BUY a bic ONE CENT

Resessa The M Butter an vited to se department matters rel and to sug

Februar

1000 Pasteuriz ...

whey i favor of this to both chees ummarized | of the Wisco recent issue Prof. Hastin,

"For a mu before return has been disc tice has been Denmark, in the purpose spread of t rience of ma tories has sh of the proces ing the qual the cheese. product. "The quali

mpaired by whey in the e washed ar in a thoroug vent the cor from the wh has been a large num teria and oft harmful kind circle is esta to cheese va used for the and milk ali ed to 150-155 in the tank free from ha A few Ontar treating the factories add ducing it be

to be profit tional fuel a "One adva the increase weet whey is received process is n "It now heating of t to prevent

abortion, a by the br tuberculosis. the organism body of the milk, as we that the m tain them fo animal is a milk from a a chees there is opp ence of the free from the

"It may will be fed and that th the milch This may be not good pr tions mater the organi tuberculosis. tion onto t shown that by means of vestigators this is the

"It seem reasons for 8

s that

miliz

e con-

ented?

make your gather went the unlight.

Its use

CO.

orse

and you buy one. stroy any ount of tingbone, ameness. ar for a

E

## The Makers' Corner

Butter and Cheese Makers are in-vited to send contributions to this department, to ask questions on matters relating to cheese making and to suggest subjects for discus-sion.

#### Pasteurizing Skim-milk and Whey

pasteurize skim-milk and The main arguments in whey P favor of this process, one of interest to both cheese and butter makers, are ummarized by Prof. E. G. Hastings, of the Wisconsin Exp. Station, in a recent issue of Hoard's Dairyman. Prof. Hastings says:

"For a number of years the question of heeting skim-milk and whey before returning them to the farm has been discussed. Where this prac-Denmark, in Iowa and in Minnesota, the purpose has been to prevent the spread of tuberculosis. The expe-The experience of many Canadian cheese factories has shown, however, the value of the process as a means of improving the quality of the milk, hence of the cheese. This has resulted in an increased financial return for the product. "The quality of the milk is often

impaired by the carrying of sour whey in the milk cans which can not e washed and sterilized on the farms in a thorough enough manner to prevent the contamination of the milk from the whey. This product, unless it has been heated, always contains a large number of acid-forming baca large number of acid-forming bac-teria and often gas-forming and other harmful kinds of bacteria. A vicious circle is established from whey tank nammit kinds of oacteria. A victious circle is established from whee tank to cheese vat by means of the can used for the transportation of whey and milk alike. If the whey is heated to 150-155 deg. F. after it is placed in the tank, it will be practically free from harmful kinds of bacteria. A few Ontario factories in 1008 were treating the whey; the advantages derived were so evident that other factories adopted the method, introducing it because it had been shown to be profitable. The cost of additional fuel and labor is small.

"One advantage to the farmer is in the increased feeding value of the sweet whey over the sour whey which

sweet whey over the sour whey which is received from factories where the cess is not in use.

"It now seems apparent that the heating of the by-products may serve to prevent the spread of contagious to prevent the spread of contagious abortion, a disease as much dreaded by the breeder and dairyman as tuberculosis. It has been shown that the organism is given off from the body of the infected animal in the milk, as well as in other ways, and that the milk may continue to contain them for months, even when the animal is apparently healthy. If the milk from a diseased herd is carried to a cheese factory or creamery, there is opportunity for the transfer-ence of the organisms on to farms yet

chere is opportunity for the transference of the organisms on to farms yet from the disease.

"It may be argued that the whey will be fed only to hogs and calves and that there is no opportunity for the mitch cown to be some infected. This may be true, to be the control of th

milk and whey before returning them to the farms: first, to improve quality of the milk; second, to prevent the apread of tuberculosis; third, to prevent the spread of ubberculosis; third, to prevent the spread of contagious abortion. Any one of these is sufficient to justify the introduction of the process. Cheese factory operators do not be upon the control of the process of the process of the process of the process as a means of protecting of the process as a means of protecting the process are means of protecting the process as a means of protecting the process are means of the process as a means of the process are means of the process of the the process as a means of protecting their herds."

#### Storing Ice for Summer Use

T. J. Newman, Victoria Co., Ont.

T. J. Neuman, Victoria Co., Ont.
We take our ice off a creek supplied from a running spring. Below the spring a dam is built and sufficient earth is scraped away to make a pond deep enough to cut the ice. Thus we have ice near home, while it is nine miles to Lake Simcoe. the nearest large body of water.
We use an ice plow for cutting the one way and saw it, the other. We have proved both ways, but still to pack in the ice-house. For any community that stores 3,000 or 4,000 blocks of ice, I would advise that they buy an ice plow. We can plow enough ice in one-half to one hour to make 1,000 blocks of ice. We have enough ice in one-half to one hour to make 1,000 blocks of ice. We have used our plow for nine years, and in one season have used it at Lorneville. Gamebridge, Rathburn, Brechin and Hawkestone; hence a number of com-munities might cooperate together and use the one plow.

When plowing we clear away the snow for about 100 feet square, or if on a small pond the whole width of it on a small pond the whole width of it and as far back as we think we can take the ice out on that day. We then plow, making the plow cuts about 16 inches apart. Again we shovel off the snow the plow has made and as warross the plow cuts, being careful to cut at right angles other-wise the blocks will be more or less diamond-shaped and difficult to pack. We use an ice chisel to break the blocks apart. We always leave two blocks apart. We always leave two rows of ice (two plow cuts) to give the horses room to start plowing again. We make the blocks about 16 inches each way, but if the ice is shallow we make the save-uts 20 or 22 inches apart, but the plow cuts are always 16 inches. If the blocks are too large the work is much harder. We pull the ice out at either end but not over the plow cuts. Care must be taken not to splash water into the plow cuts or they will freeze and be no good. and be no good.

When pulling the block out of the When pulling the block out of the water it is easier if one grets the bottom of the block towards him at the edge of the ice, then catch the block with the tongs about the centre or a little nearer the top, then give an upward, inward pull and the block comes over the edge with a rolling slide. This operation is difficult to describe clearly, but the man who never did it always makes hard work for himself until he is shown the easy

## Hear What Others Say About the

Standard.

Following are some extracts taken from letters received from owners of Standard Cream Separators. They show what others think of the Standard:



"Its akimming by our repeated tests is perfect."

"I think it is the easiest machine I ever turned and very easily washed, and I don't think there is a separator that can skim as clean taking it all round."

"No back straining to put in the milk and o dirty oil smeared around the machine all

"It has the best oiling device I have ever geen

"I find it a very close skimmer with the milk in any condition, and that it will de liver any density of oream with either warm or cold milk, and still flush out easily."

The letters from which the above extracts are taken are printed in full in our booklet. Send for a copy. It is interesting, instructive, and fully describes "The World's Greatest Separator," the Standard.

## The Renfrew Machinery Co., Ltd.

HEAD OFFICE AND WORKS: RENFREW, ONT. Branches: Saskatoon, Sask. Calgary, Alta.

## CREAM WANTED

340 per lb. fat for sweet or sour oream is more than present mar-ket conditions warrant, still this is our price, commencing Feb. 1st. Cans furniehed and express paid within 100 miles of our city.

We meet all competitors. Write us

Toronto Creamery Co., Ltd. 15 Church St., TORONTO

## CREAM WANTED

Both separator spouts will yield big profits if you feed your skim milk and ship your cream to us. We supply cans and pay express charges from any express office within 150 miles of Ottawa. Write for narticulars.

Valley Creamery of Ottawa Limited 319 Sparks St., Ottawa, Ont.

## SHIP YOUR CREAM

PETERBORO CREAMERY at Prices Paid for Cream at nea

PETERBORO CREAMERY - PETERBORO, ONT.

95 AND UPWARD **AMERICAN CREAM** 

Thousands In Use giving splendid satisfaction, justifies a more provided to the control of the c

Our Twenty-Year Guarantee Protects You y low prices and high quality on all sizes and generous terms of ou. Whether your dairy is large or small, do not fall to get our great offer. Our takes, cent from of charge on prompts, takes not get our great offer. on of Cream Separators issued by any concern in the world.

ipments saade promptly from Winnipeg, Man., St. John, N. B., and Toronto, Out.

AMERICAN SEPARATOR CO., Box 1209 Bainbridge, N. Y.



freezer oppor-fit at a parately IRY ONT. NTED YS' TRIAL

E

t will cost write us a ed full infor-you Froo mail. Do now. Limited Cassda

244



## "Metallic" Ceilings and Walls for

Homes, Stores, Theatres, Hospitals, Schools, Churches and every description of building.

Beautiful Economic Fireproof Durable

Can be applied by any mechanic. Write now for FREE BOOK and full information.

Save time and money, by sending us

## B.C. Dairymen Endorse Tuberculin Test

HE work of the Provincial Government in the eradication of bovine tuberculosis in the Pro-vince was heartily endorsed by the pure-breds.

dairymen of the country at the recent annual convention of the British Columbia Dairymen's Association, held at Chilliwack. The convention was unanimous in its opinion that the work should be continued. The de-partment of the Provincial Government having charge of this branch of work was highly complimented upon the results already attained, and on all sides expressions of sympathy in undertaking were forthcoming.

Naturally the question of compensation came under discussion. dairymen expressed the view that a larger measure of compensation should be given them. Opinion upon this point was not unanimous, however, some of the dairymen asking for more, while others argued that the Government was already paying an adequate sum.

THE QUESTION SETTLED

Ultimately the collective view of good milk. but that the amount of compensation when these animals were pinced in be raised from a half to two-thirds, the judging ring it was found that and that the maximum valuation be the dairy conformation compiled with increased to \$150 in the case of their records of production.

grades, and to \$250 in the case of

Commissioner MacDonald referred to the recent action of the Provinconvention in Victoria some time ago. He pointed out that the stockbreed-y. ers were apparently of the opinion that the present rate of compensation was adequate, for they did not urge any increase upon the Government. They, however, made the same re quest as the dairymen in regard to the increased valuation of the cattle.

Interesting addresses were delivered during the convention. Professor Eckles, of Missouri University, spoke upon the dairy type of cow, on spoke upon the dairy type of cow, on the opening day, and upon the most desirable selection of a sire, the day following. Mr. Donald McInnes, pro-sident of the State Dairymen's Asso-ciation of Washington, spoke upon the feeding of the dairy herd: and Mr. W. J. Langdon, of Sumner. Washington, addressed the delegates upon the recognition of the properties of upon the profitable production

the convention expressed itself in the One of the most interesting fea-form of a resolution to the effect that tures of the convention was the com-One of the most interesting feathe Government be asked to continue petition for dairy cattle, in which its work in connectica with the the best producers of the local coveradication of bovine tuberculosis, testing associations were entered, but that the amount of compensation When these animals were placed in

Why Organize a Farmers Club?

By A. D. Wilson

farmers' club is an organization socially or in a business way.

The people in any community for One needs to get away from his improvement of themselves, their own work and home and get an opof the people in any community for the improvement of themselves, their

A good, active farmers' club will do and for the community, is a much for a rural community just what a better place in which to live than is good, active commercial club will do a community in which there is for a village or citv. namely, it will mutual distrust. As a rule, knowl-tend to secure the united influence edge of one another increases control the community to bring about any fidence. Play is an important part desired improvement, and, further, it of one's life. One cannot do his will unite the community to oppose best if every minute is devoted to anything that is not for its best in-work. Relaxation and pleasure are terests. We can conceve of no way absolutely essential to good living, in which a farmers' club can be det. Clubs that will bring some entertain-rimental t.e. a community, while we ment, ascala gatherium, or other in which a farmers could can so decline that the form of the farmers and a community, while we ment, social gatherings, or other believe that there are at least three means of amusement into the comways in which it may be helpful, (1) munity, are very important.

By A. D. Wilson

We have because it develops poof financially. (2) educationally, and (3) club because it develops poof financially. People are essentially social beings best there is in a community, and to They are not usually happy when get people ready to act concertedly isolated, and do not develop propriator their own betterment. It is an except in groups. Life on the farm ever-ready means of taking up and tends to keep people too much to studying independently any matter themseives. A farmer's club that will of importance to the community. It bring the people together monthly or makes the work of the unscrupious semi-monthly furnishes a very desir-promoter unprofitable and aids any able change from the ordinary routine movement that is for the real inter- of farm life. Everyone is interested eats of the community. It makes any in making the most of himself and new movement undertaken the work his life. An important part of one's of all of the people, rather than pleasure and development comes from something to be forced on them by meeting people and gaming the abit-someone from the outside. A farmer's club is needed in every community.

A farmer's club is an organization out which one cannot appear at his best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most out of life, either best or get the most of life, either best or get the most of life, either best or get the most of life, either best or

the improvement of memoraries, incirculated and see an open of the homes and their community. It portunity to see it from a different should include in its membership the angle. As a rule, one is better satishable family, men, women and chil. find with his own conditions when he dren. Two or more families may sees how others live and do. A better constitute a successful farmers' club, acquaintance with people usuall- reconstitute a successful farmers' club, acquaintance with people usuall-re-but it is best, where possible, to in-sulfa in more tolerance for their clude all of the people in the com-shortcomings. Many times when left, munity. A rural school district is a to ourselves we begin to thing un-suitable territory to be covered by a kindly of our neighbors, and really farmers' club. Meetings are held in believe they are not what they should suitable serriory to be considered and the sum of the s

ings at the homes of the members they are really better than we had wherever it is practical to do so. The thought them to be. It is the territory should be small enough so the territory should be small enough so A community in which people are that all of its members can conveniently get together.

A good, active farmers' club will do and for the community, is a much for a rural community just what a better place in which to live than is

## Double The Yield of The Garden

### We Want You to Try Rennie's Tested Seeds This Spring OUR CATALOGUE

Is larger and better than ever, and includes several splendid new varieties. For 45 years the leading authority on Vegetable, Flower and Farm Seeds, Plants and Bulbs. You need it before you decide what kinds to plant. Send for your copy to-day.

WM. RENNIE Co. Cor. Adelaide and Jarvis Street TORONTO Also at Montreal, Winnipeg and Vancouver

Vith Rennies Seeds

# International Harvester

Manure Spreaders



ay Loaders ay Presses CORN MACHINES Insters, Pickers inders, Cultivators asslage Cutters bellers, Shredders TILLAGE Cultivators
GENERAL LINE
Oil and Gas Engines
Oil Tractors
Manure Spreaders

STEEL frame on steel wheels—that is the lasting basis on which International manure spreaders are built. All parts, including box, beater, spreading mechanism, apron, are built by experts, using best materials, from careful designs based on field tests.

Dased on field tests.

Every detail is strong and durable, built for long life and ease of draft. Among the features that will interest you are these: Simple protected beater driving mechanism, all of steel; load carried on rear axie, insuring traction; reversible gear and worm; low, easily loaded box, with ample clearance underneath; end gate, preventiles [colgging of beater while driving to the field; etc.]

All styles are in the 1 H C spreader line, high and

All styles are in the I H C spreader line, high and low, endless and reverse apron, and various sizes for small and large farms. Our catalogues will tell you more. Write for them and let us tell you also where you may see I H C manure spreaders.



International Harvester Company of Canada, Ltd At Hamilton, Ont.; London, Ont.; Montreal, P. Q.; Ottawa, Ont.; St. John, N. B.; Quebec, P. Q.



It is desirable to mention name of this publication when writing to adver

Februa Mr. Ha

A and I titled Made," ra must confe he is char cow as the still hold fa well, what It looks " being a jol it. because cows that with pract ever gettir Possibly so perly hand have beer

> dragged th let dry at the writer Every of standard a of milk a and Guer

they certa

One of the Farm and years before won this

6,000 por cows tha under p which th sooner t ers or d The w

is just a

money of

cows in ter any board a winter In i work di year; no our farr and. las herself i calf. through should r dry tha

year. Until the im food stu then fee to profi double up his f able her to go ha

## Mr. Harding on 'How the Profit is Made"

R. H. Harding, Middlesex Co., Ont.

A N ARTICLE appearing in Farm bank account or clear off a mortgage and Dairy of January 29th, en- or make some necessary improvetitled, "How the Profit is ments, such farmer is not nearly liv-Made," rather puts me guessing. I ing up to his privilege or what he is must confess I don't know just what capable of.

the writer means, but assuming that Mr. Macdonald finishes up by sather the distribution of the profit of the must confess I don't know just what the writer means, but assuming that he is championing the 2.700 pound ow as the one that the farmer should still hold fast to, it looks to me like—well, what will I call it—a huge joke. It looks "hugo" all right, but as to being a joke, in reality it is far from it, because it is in keeping just such cows that many farmers are plodding own that the cows that many farmers are plodding with practically no hope in sight of ever getting their heads above water. \$8.000 tbs. of milk each, and we cows that many farmers are plodding have \$800, or \$800 total: 10 cows proteing slowly of the statement. Take a herd 10 cows proteing slowly of the statement of the statemen

Mr. Macdonald finishes up by saving that the dairyman' finds that there is no money in dairying the year round at \$1.50 a cwt. of milk. I wonder how many of our most pro-

The Corn that Won the Farm and Dairy Trophy at the Corn Show

One of the coveted trophies at the Ontario Corn Show was a \$50 cup offered by Farm and Dairy for the best 10 cars of Flint corn, this cup to be son three years before the becomes the permanent possession of the exhibitor. The cup was won this year by L. D. Hankinson, of Aylmer, with the 10 cars of Longfellow corn shows in the liberation.

6,000 pounds for any other class. The compared with some herds in Ontario. cows that fail to reach this mark When we add to the returns above under proper conditions should be the value of a good calf from each fatted,—that is the only source for cow, what will build up a farm faster which they are intended; and the than this and give to the farmer and sooner that this fact is understood his family the just pride that belongs the better for many so-called farm—to the proposersize ELLIA pages.

year: not struggling for an existence but manufacturing the products of our farms into finished articles of food. viz. milk, cream butter, cheese and, last but not least, reproduce herself in the form of a first-class calf. Instead of being dragged through the winter, as suggested, she should receive even better care while dry than while milking, preparing for still better work the following year.

The writer, Mr. Maedonald, says it these 0.000 to 9.000 pound cows so is just as well not to try to make money out of the cow during winter. With this argument I don't agree. Choicest of which is very poor cow will now a summer to a summer to green the company of the company would certainly be costly. On the other hand, if every man who keeps cows would first build himself two silos. The size he would govern by the size of his herd. For an average herd I would say the silos should be 12 feet by 30 feet for winter use and 12 feet by 30 feet for winter use and 10 feet by 30 feet for summer use, cost of which, roofed complete, can be met at about \$160 for both. He would fill these silos with well matur-

calf. Instead of being dragged would fill these silos with well maturthrough the winter, as suggested, she ed corn of the best quality. He should receive even better care while dry than while milking, preparing growing timothy hay and grow infor still better work the following year.

Until our backward farmer realizes the importance of growing all the temperature of growing all the food stuffs possible on this farm and then feeding it all (or its equivalent). Last, but not least, he would have to profitable live stock, with the double purpose in view of building up his farm and building up a profitable herd, two things that are bound to go hand in hand to finally swell his gure to follow.

## EDGEMONT STOCK FARM

COMPLETE DISPERSION SALE OF

# 43 HOLSTEINS 43

## Thornhill, Wednesday March 11, 1914

ONE P.M. SHARP

As my farm is leased every animal will be Sold Without Reserve.

ALL MATURE COWS ARE IN R.O.P.

THREE AND FOUR YEAR OLD HEIFERS with Records up

to 13,500 lbs. Milk.

TWO YEAR OLDS up to 11,200 lbs. milk. All records made on two milkings per day, and under farm conditions of care and

YOUNG STOCK are nearly all sired by SIR LYONS HENGER-VELD SECIS (see catalogue.)

COME EARLY AND INSPECT THE HERD

If you are in the market for Good Breeding attend this Sale Catalogues give full particulars-Records and Breeding. Send

J. H. PRENTICE Auctioneer

G. H. McKENZIE

TORONTO, ONT.

THORNHILL, ONT.

Stop 39 Metropolitan R. R.

TERMS OF SALE-Cash, or 8 months on Approved Notes.

Full Set (with the exception of Nos. 6 and 8) of H.F. Herd Books for Sale 

## MY ENTIRE HERD

CONSISTING OF

# REGISTERED

Will be Sold by Auction at Dr. Rudd's Sale Stable

WOODSTOCK, ONT.

## On Thursday, March 5th, 1914 (1 p.m. Sharp)

All but 4 are my own breeding.

46 Females

Daughters and gd-daughters of Maud of Kent-

My herd sire, SIR SADIE CORNUCOPIA CLOTHILDE — born Jan 18, 1909, perfectly quiet and sure, and 16 of his daughters and 2 sons in sale. All good type and from a sire proven in producing females.

Nearly all young stuff, whose ancestors have records behind them.

6 Males

Also a choice lot from Sir Shadeland Segis and Brookbank Butter Baron—a proven sire with champion daughters. For 15 years in the breeding business we have used the best of sires. The dams are long-distance milker—the kind every dairyman demands.

As my farm is rented, every animal will go under the hammer. Look up your needs in my catalogue. It gives you full particulars.

## P. D. EDE, OXFORD CENTRE, ONT.

Auctioneers { A. SIPLE W. PULLEN } Woodstock

entered. and that , 5

1014.

lest

case of referred

Provin-

n annual

time ago. ockbreed- g opinion pensation not urge ernment. same re

egard to

deliver-

niversity cow, or

the day nes, pre-n's Asso-

ke upon erd; and

Sumner, delegates

the com

ocal cow

ction

in

and (3) al beings.

the farm much to that will onthly or ery desir-ry routine interested nself and of one's the abil-ely, with-ar at his

fe, either

from his et an op-different tter satis-A better suall- re-for their when left hing unnd ey should uaintance of their us that

we had

eople are now each a much e than is there is tant part ot do his od living. entertainor other the comsible to get

The greatest transmitting family of the breed, holding the world's cords for 3, 4 and 5 generations. I have for sale sons of this bull from high record daughters of ontiac Korndyke, making the greatest and most valuable combination poss the whole Holstein breed. Photo and Pedigree sent on applications.

A. A. FAREWELL - OSHAWA, ONT.

#### ALLISON STOCK FARM

The home of May Echo, May Echo Verbelle, Netherby Queen Jane, and other choice ones. Herd Sire, SIR LYONS SEGIS—35 cows in his first three generations average 30 lbs. ¶ Excellent young bulls from above lines for sale. Before buying write us—or better, come.

ALLISON BROS.

Chesterville, Ont.

RIVERSIDE HOLSTEINS Herd headed by King Johanna Pentiac Kerndyke hib Butter in 7 days. His sister. Pentiac Lady Kerndyke, has a record of 800 libs. Butter in 3 days, 1852 libs. in 30 days, world's records whenmade. We are offering several females bred to his bull, also a few buil calves. to this bull, also a few b R. R. No. 2, CALEDONIA, ONT.

## HET LOO STOCK FARM

Het Loo Farms now offer a few Choice Young Cows, the kind you will be proud to own, also Three Choice Bull Calves at low prices.

Dr. L. de L. HARWOOD, Proprieter GORDON H. MANHARD, Manager HET LOO FARM, VAUDREUIL, QUE.

#### Holsteins For Sale

Two Choice Heifers, sired by Sir Lyons Hengerveld Segis, the \$1,500 bull whose dam has a record of 33½ lbs nutter in 7 days. Write or better come and see them. EDGAR DENNIS NEWMARKET ONT

The Fence

With

Improved

Weaving

WANTED — Pure-bred Holstein Heifers, not bred but ready to breed now. Reply, atating number, sire and dam, to Box 486, Farm and Dairy, Peterboro.

ANTED a situation as herdsman with dairy cattle: Holsteins preferred. Ex-perienced in handling test cows. Apply Farm and Dairy, Box 1419. Peterboro,

# Frost Fence First

### Built on Quality all Through

Quality is always the test of value especially in an article like wire fence that is intended to give long service. If you buy where you get the most rods of fence for your money, don't be surprised after a few years if you find the fence has failed to give you the service you expected.

We build our wire fence of the very best quality galvanized wire and we weave it in an improved way that is designed to give the utmost of service. Not only do we weave it with the extra tight lock, shown in this illustration, but we also make extra strong spring provision in the horizontals so that, like coiled spring wire, there will be strong reserve spring for future contraction and expansion.

These two improved features make Frost Fence well worth any difference in price because they mean increased service, to say nothing of the very neat and always tight and straight appearance of Frost Fence on the posts. When you figure the cost of Frost Fence by the number of years of service it will give, you will find it more economical than the cheapest fence on the market and all the time you will have a fence that will hold its tight shape and be strong enough to withstand any strain or weight that may come upon it.

We could easily produce a fence that could sell as cheap as the cheapest; but the greatly increased sale Frost tight lock fence is having every year proves that our aim of making Frost Fence the highest standard of quality is the surest way to build up a permanent fence trade. We know that if you will erect a Frost Fence this year you will want the same kind of fence next time.

If you don't know our local agent in your locality, write us for

Frost Wire Fence Co., Ltd. HAMILTON ONTARIO

#### **OUR FARMERS' CLUB** Correspondence Invited

**NEW BRUNSWICK** YORK CO., N. B.

SCOTCH LAKE, Feb. 14.—January was cold and LAKE, Feb. 14.—January was cold and the property of ONTARIO

HASTINGS CO., ONT.

HASTINGS CO., ONT.

STIRLINO, Peb. 20.—A. D Molrtosh, our district representative, has just completed a very successful box packing school. The demonstration was in obstree keen and the work very creditable for amateurs. John Thompson did the best work, Melville Jones second, Ambrone Wright third, C. Bird fourth and T. F. Shannon fifth.—J. A. C.

Shangon fith.—J. A. C.

NORTHUMBERLAND CO., ONT.

HARWOOD. Feb. 19.—The annual meeting and owner supper of the Harwood and the superior of the Harwood and the superior of the superior of the company. The reports showed the make last year to fel. 18.—The posted of butter, which said at an average of the superior of the company. The reports showed the make last year to fel. 30.—The posted of the history of the company. The reports showed the make last year to fel. 30.—The partons at 26.50e a pound of fat. The total receipts were 48.134, and the amount paid to the patrons 88.500. A dedress by Ghier Dairy Instruteder G. Pubnow, which was considered the best address of the kind ever given at a meeting of the superior was held atter the annual meeting of which 255 parcock. In the evening an of which 255 parcock. In the evening an experiment of the superior of the superior was held of the superior was held of the superior was held of the superior was a superior was held of the superior was been superio NORTHUMBERLAND CO., ONT.

WELLINGTON CO., ONT. WELLINGTON CO., ONT.

FERGUS. Feb. 17—We had a fine wintor until about two weeks ago. Since
and the anow is getting quite deep in
the roads. There has been a number of
auction saise. There is very little deauction saise. There is very little detalling the specially cows. All kinds of grain
is cheap, Hay is 812 per ton in butter, 26
per 16; eggs, 26 to 36 per do: potatoes. 91
per beg.

sliper bag—w. a. zz.

ORANGEVILLE. Feb. 34—Considerable canning is being done a precent a canning is being done a precent as the canning is being done at precent as a canning in the canning is being done at the falling off in the amount of hay and grain unusually marketed on account of the high price of stock. Stock is being earlier and article are very renumerative, considering the mod-rate price of grain. Hops expecially are being marketed at outle heavy weight, and the packers are considerable interest is being taken in the selection of seed. The value of improved varieties is now generally appreciated by the majority of our faments, and Grimms or Canadian variegated and Grimms or Canadian variegated at falfa sell at very high prices—G. S. N. DUFFERIN CO., ONT. NORFOLK CO., ONT.

HEMLOOK. Feb. 17.—Weather conditions here are very severe. Farmers are busy here are very severe. Farmers are busy flat for the farmer was the farmer and farmer

WALKERTON-Farmers' Olube in our county have done little towards selling. Feed, seed corn and small seeds through the olube. All have had their largest attendance when they have had an open attendance when they have had an open county of the county of the

MANITOBA.

BUGALD, Jan. 26-Wo have had leal weather so far this writer. The hast 10 water and the straw piles yet. There will be fore straw piles yet. There will be fore straw piles yet. There will be fore fore the piles and the sent, but will be higher in spring. Castle prices are high. Hors are going up. Shating is the order now, and the years will be sent, but will be higher in spring. Castle prices are high. Hors are going up. Shating is the order now, and the years will be sent, but will be fore the work of the piles will be sent to connection with Agricultural Gollege extendion work are being held in the orenings at Dugatil—F. F. 27.

tural College extension work are being held in the ovenings at Dugald—F. FF.

MENIE AYRSHIRE BREEDERS IN SUSSION
SUSSION
The advantage of the suspension among breeders of pure-bred cattle were emphasized by President Hume at the annual meeting of the Menie District Ayrolasis of the produced letters asking for good grade and pure-bred cowe in lote of 10 and more. Many buyers with the week previous there had been a buyer in the district from New York Nata. one from Menie Tree Menie State of the S

BELLEVILLE HOLSTEIN BREEDERS
BELLEVILLE HOLSTEIN BREEDERS
Sventv enthusiastic members of the Beleville District Holstein Breeders Club attended the annual meeting in Beleville District Holstein Breeders Club attended the annual meeting in Beleville over to a discussion of the annual sale Mr. F. R. Mallory, who has been secretary and sales manager, eadd that the handle Consequentity, 6. A. Brethen, of Norwood, was amonisted sales manager. The following officers were elected for Norwood, was amonisted sales manager. The following officers were elected for Norwood, was amonisted sales manager. The following officers were elected for Norwood, was amonisted sales manager. The following officers were elected for Norwood, was amonisted to the following officers when the following officers were the following officers with the sales with the s

FOR SALE-MAY ECHO'S ECHO, is Can 23,707 lbs. milk 7 day Champio months after of SYLVIA BEE May Echo Syl and 759.04 lbs. n to Pet Posch D four years with These calves splendid young

n private and Kol Bellboy Marcedes Ye Johanna whos HENGERVEL ing Sarah Jew daughter sold If you need so and see our sto JAS. SE

WOODLAN world, offers Aaggie Mero land Aaggie with 21,666 lbs Also other

> Rising averag

at two est Da

Ibs. bu will de a very We al for S beaten

Send f

D. Ha Cobo

HO EX

MAN

Each Tues Winnipe Edmont From 7 North of from Sta

> EACH T Tuesday after an Toronto Settle

REDU

Throug

are be lere on money es have shipped \$108 a hit the the re-i some wish-money

nad fine lentiful. ch erop ie drop c. Cows is about wes, \$12 ) to \$12.

last 10 e snow. out at lots of at pre-Cattle ng up. e young farmers' Agricul-e being -F. F. F. S IN

among tree emittee asking sows in the asking sows in the asking sows in the asking sows the asking to the asking to the asking to the asking to the asking the asking

DERS of the rs' Club elleville s given al sale n secre-nat the

ke W er, Geo

e could hen, of lanager. ted for

TO SALE These Bull Calves, sired by MAY ECHO'S DEINEE, whose dam, MAY ECHO'S DEINEE, whose dam, MAY ECHO, is Canadian Yearly Clampton with 25.07 [bs. milk and 1.08] lbs. butter, Canadian Sale Bull Calves and the Calves are fine straight follows from the Calves and th

orn-otten Yeake With I K.O.M. daughters and Apovers some.

Another dam is by Count Hengerveid Fayru-Johanna whose grand-sire, PLETERT & HENGERVELD'S COUNT DE ROL, has 25 proves some and 03 ALW-Green With With Art and 15 proves and 15 proves

JAS. SEYMOUR & SONS

WOODLAND FARM HOLSTEINS Headed by Maplecrest De Kol, champion full brother to Banostine Belle De Kol. with champion yearly milk record of the world, offers
NETHERIAND AAGGIE DE KOL'S SON.
Sire-Barcastle Mercedee Lad-son of
Aaggie Mercedee-29.9 ble. Dam-Nether-land Aaggie De Kol-champion B.O.P. 199
with E1,666 be of milk and 631 ble. butter.
Also other choice Buils. fit or service.
J. M. VANN-ATTER & 30NS, AYLMER, ON

# **Bull for Sale**

Rising 2 yrs. His Sisters average over 15 lbs. butter at two years. His 3 nearest Dams average over 19 Ibs. butter at 3 years. We will deliver him to you for a very reasonable price.

We also have Bull Calves for Sale that cannot be beaten for type and backing. Send for pedigrees.

D. B. TRACY

Hamilton House Dairy Farm Cobourg - Ontario

#### CANADIAN PACIFIC HOMESEEKERS EXCURSIONS

MANITOBA, ALBERTA SASKATCHEWAN

Each Tuesday March 3 to October 27, in Winnipeg and Return Edmonton and Return -Edmonton and Return - 25.00
From Toronto, and Stations West and
North of Toronto. Proportionate fares
from Stations East of Toronto.
Return Limit two months.

REDUCED SETTLERS' FARES (ONE-WAY SECOND CLASS) EACH TUESDAY, MARCH AND APRIL

Settlers travelling with live stock and effects should take SETTLERS' SPECIAL TRAIN which leaves West Toronto each Tuesday duxing MARCH and APRIL after arrival regular 10.20 p.m. train from Toronto Union Station

Settlers and families without live stock should use REGULAR TRAINS, leaving Toronto 10,20 p.m. DAILY. Through Colonist and Tourist Sleepers.

Through trains Toronto to Winnipeg and est. COLONIST CARS ON ALL TRAINS. No charge for Berths.

Particulars from Canadian Pacific Agents or write M. G. Murphy, D.P.A., Torento. ATRISHE AND HOLSTEIN MEN BANQUET TOGETHER

ATRSHERE AND HOLSTEIN MER.

The members of the Bellevil Districts Holdstein of the Bellevil Districts Holdstein of the Mental Arrabits with the Mental Districts Holdstein of the Mental Arrabits with the Mental Districts of the Mental Districts of the Mental District Oldstein Holdstein Holdstein

has not been discussed,—which is the best breed?

Mr. G. F. Bailey, Deputy Minister of Mr. G. F. Bailey, Deputy Minister of Agriculture, predicted an enormous defection of the control of

ward community breeding.

In proposing the tonet, "The Live
Stock Interests," Air, Srethen summed
up the spirit of the meeting nicely when
he said, 'The basis of all union is a common interest. We are all lovers of a
good dairy cow."

good dairy cov."

Prof. Barton responded. He characterized the banquet as "a fitting cilimax to my experience as a visitor to breeders ciuba." In his address, which will be reported fully in a later save of Farm and Dairy, Prof. Barton enuocated some of the basic principies to which the young breeder must pay attention if he would succeed that he would succeed the wou

would succeed.

His first requisite is knowledge of the breed and of the care of its stock. Not always a successful to the control of the con

times breaking cut of the work extravel and bee is credited.

The toast, "Our Dairy Interests," was responded to by Jas. R. Anderson, Mr. Elliott, of the Standard Bank, and Slac Mayor Wille was also present at the banquet and spoke briefly. Mr. Kingston, of the Campbellford Herald: Mr. Serff, of the Ottawa Valley Journal, and to the toast, "The Press." Taken all it all it was a most enjoyable function, and from now on the Joint banquet, in all probability, will be an annual affair hereafter.

SUCCESSFUL OFFICIAL TESTING

SUCCESSFUL OFFICIAL TESTING

H. F. Patterson, Brant Co., Ont.

I have been doing some official testing:

I have been doing some official testing:

the state of the state of the state of the control of the very sear-old. Being some office aggie, No.

1829, produced in R.O.M. test in seven days BAY Dis built, 146 Die builter and 117 Dis but the same length of time produced 5842 the milk, 53 Dis butter and 23 Dis fat. Average test, 34. A senior very sear-old, Huidas De Rol Princess End.

18a butter and 142 Dis butter fat, her average test being 3.3. These are a few of the good young helfers that will be sold at my sale on March 12th.

Many farmers think that good feeding is dishing out as little as possible. What is the effect of this partimony? Our cattle will be getting smaller. We go abroad for Aynhire sires. So do we go to Seodland for Dis Rhorthorns. Why not feed better and develop our own stock?—J. B. driedola.

# BREEDER'S DISPERSION SALE



## Pure-Bred Holsteins

All Well Bred and mostly Females

AT LAURELDALE FARM

Oxford Mills, Ont., Wednesday, March 11

JUST WHAT YOU WANT

Their Type is O.K. Bloodlines the Very Best Color and Size Just Right A Heavy Milk Producing Strain They All Go at Your Own Price THOS. IRVING, Auctioneer W. H. MURPHY, Proprietor

This will be the SALE OF THE SEASON, on account of the Superior Breeding of the Animals. PLAN TO ATTEND IT

Write to-day for Catalogue

Winchester, Ont.

Oxford Mills, Ont.

FOR SALE Holstein-Friesian Bull

McGregor De Kol No. 14477; 22 months old. Sire, Bontsje Pietertje O.A.C. (9800), Dam. Bessa's Rosa De Kol No. HERBERT J. ABBOTT, R. R. NO. 2, LAKEFIELD, ONT.

ANYONE WISHING HOLSTEINS OF THE BEST QUALITY

THE BRANT DISTRICT

is the place to buy. It comprises some of the best herds in Canada. Stock for sale at all times. Full list of breeders with post office and station address on application.
N. P. SAGER, Secy-Treas.,
ST. GEORGE ONT

## Scientific Treatment of the Soil Pays Big Returns

Haphazard Methods are Costly.

You may save a little on the cost of producing your crops by slighting the various farming operations-but when you figure up at the end of the year you'll be out of pocket.

Thorough preparation of the soil; good seed, and careful seeding pay big dividends on whatever the additional expense may be.

The Massey-Harris Line of Implements includes

everything necessary

to enable the progressive farmer to handle the soil in the way which will yield the best returns.

Plows of all kinds, Disc Harrows, Drag Harrows, Spring-Tooth Cultivators, Stiff-Tooth Cultivators, Land Rollers, Packers, Fertilizer Sowers, Manure Spreaders, etc.

> Time has Proved the Worth of Massey-Harris Implements.

## Massey-Harris Co., Limited.

Head Offices-Toronto, Canada.



- Branches at -Winnipeg. Regina, Saskatoon, Swift Current, Yorkton. Calgary, Edmonton.

Agencies Everywhere -

# NORFOLK SALE

THE FIRST ANNUAL SALE

60 Head

OF THE

60 Head

Norfolk Holstein-Friesian Breeders' Club

Will be held in

DR. BURT'S SALE STABLES

Simcoe, Ont., Tuesday, March 10, 1914

The cattle offered at this sale have been carefully selected with view to winning your confidence. We believe it is the best all roun lot for individuality, breeding and high official records that will toffered this season.

5-Year-Olds with yearly records up to ............. 19,611 lbs milk (Canadian record) 5-Year-Olds with yearly records up to ...... Mature Cows with 7-day records up to 23.42 lbs butter Mature Cows with 14-day records up to 46.50 lbs. butter

Cattle will be sold subject to tuberculin test. No three teaters.

SALE WILL COMMENCE AT ONE O'CLOCK SHARP

MOORE & DEAN, Auctioneers

Write for Catalogue to

J .Alex. Wallace, Secretary, Simcoe, Ont.

## **UNRESERVED PUBLIC SALE**

OF CHOICE HIGH-GRADE

# HOLSTEIN AND DURHAM DAIRY COWS

Heavy Draft Horses and Farm Implements On the Farm of the undersigned and ajoining the City of Berlin, on the road leading to Preston. Preston and Berlin Cars stop at Farm, Willow Lane.

TUESDAY, MARCH 3rd, 1914

## At 10 o'clock a.m. sharp. Lunch served at noon

#### 11 HORSES

1 fine Black Percheron Team. 5 years old, well matched, weight about 3,000 lbs.

1 Clyde Team, 5 and 6 years old, weight 3,000 lbs., well matched. Heavy Draft Team, weight 3,200

1 Heavy Draft Gelding, 5 years old. Bay Filly, rising 4 years old. 1 Pair of Mares, rising 3 years old (good drivers).

Black Horse (good driver).

Bank Barn, 82 by 47, with Straw Shed, 35 by 35. TERMS-Barns, 11% down, balance 30 days. Chattels and Stock, \$10.00 and under Cash. Over this, 12 months on approved security. 5% dis-

ount on credit amounts. The stock offered at this sale is number one of a high order. Any wishing to secure good cows or horses should be here.

COME AND SET THE PRICES ON WHAT YOU NEED.

#### E. J. SHANTZ

**EUGENE LANGS** 

18 CHOICE DAIRY

cows 3 Cows, fresh: 3 Cows in full flow

of milk, 4 Cows, due by time of sale; balance due to calf in March.

May, June and Aug. 6 head of Young Cattle. Hay and Grain and

There will also be sold a large

a full line of Implements.

Auctioneer

BERLIN, ONT. Proprietor

#### **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 tiems of interest to Moistein breeders for publication in this column.

HOLSTEINS ARE PROSPERING The Secretary-Treasurer's Report at the Annual Meeting in Toronto

In presenting the annual report of the work of the sale to the sale to sale to sale to the sale to sale to the sale to sale to the s

During the year the sum of \$4.073.55 was invested in bonds of the substantial town of Waterloo, Ont., which will pay the Association 5½ per cent. In addi-tion we have on hand a cash balance of over \$3.000, a net gain over last year of over \$3.000.

over \$1.000.

Two hundred and sixty-seven new members were admitted during the year. The beam was seven reported with the seven reported with the seven reported with the Duke of Sutherland, K.G., Brooks, the Duke of Sutherland, K.G., Brooks, the Duke of Sutherland, K.G., Brooks, W. Hutchinson, Atroda, Ont. W. W. Hutchinson, Atroda, Ont. W. Hutchinson, David Mile, Heepeler, Ont.; The Republic Control of the Sutherland, Control of the Sutherland, Control of the Sutherland Control of

Prouse. Dereham Centre. Ont.

Among those who have withdraws from membership are: H. W. Foster, Sociand. Ont.; B. Bothwell, Ottawa, Ont.; A. B. Dixon, Eburne, B.C.; W. Garrett, Vancouver, B.C.; E. W. Lander, B.C.; Joo. Steiner, New Hambushin, Gorrie, Caughell, St. Thomas, Ont.; Issan Ovens, Winnipee, Man. The names of a number of others who have not been heard from for several years have also been taken of the membership roll. 

atken off the membership varieties that because the membership miles.

As the old literary committee that become practically non-existent; it was deemed advisable to make a fresh start, and at the call of the Preddent a meet and at the call of the Preddent a meet a start of the call of the preddent a meet a start of the call of the preddent and the call of the preddent of half-adozen pamphlets that would be useful in disseminating information regarding the disseminating information regarding the Board of the call of

Testing.
The number of official and semi-official tests has now become so great that the reports of these are pretty nearly sufficient to the space that the pressure of the space that the pressure and special articles have been contributed to the papers during the year, and also sent to interested parties year, and also sent to interested parties, the pressure of the papers of

#### The Outlook for the Breed

The Outlook for the Breed
These sweeping victories in the tests, as
well as the great records being made
right along in the Becord of Merit and
right along in the Becord of Merit and
public, a belief that the Holstein stands
pre-eminent as a profitable dairy breed,
predicted that the Holstein stands
pre-eminent as a profitable dairy breed,
predicted that the Holstein stands
pre-eminent as a profitable dairy breed,
predicted that the Holstein stands
pre-eminent as a profitable dairy breed,
predicted that the Holstein stands
pre-like the Holstein stands
for the Black and White- Today condiunfavorable criticism is an word for
heard.

heard.

The demand for pure-bred and grade Hoisteins in the Western Provinces has continued with unabated vigor; and many hundreds of cows, heifers and bulls have been taken out from the Eastern Probe that the state of the sta

The passage of the Underwood Tariff Bill by the United States Congress has led to a large trade in cattle with that the United States of the United States o

eggs. Good Demand for Buils
Good cows were never so high in price
in Canada before. When Larmers ees
grade Holsteins seiling at auction for as
high as \$750 a head, they got an object
lesson that soon leads them to want some
lesson that wo need to some properties
of the properties of the properties of the some
most concurraging features of the trade
in registered stock. registered stock

in registered stock.

During the year Mr. Neil Sampter has made two shipments of Holsteins, numbering 57 head, to New Zealand. The cultivation of this market and those of South Africa and Australia promises to South Africa and Australia promises to You have been supported by the cultivation of the stock of the Canadian breather than the stock of the South So

re animals. The Herd Book book Volume 16 of the Herd Book book Volume 16 of the Herd Book has been printed and is being distributed to members. This volume has been printed in the book of the Herd Book has been printed in the second process of the second process o

Once more let me request breeders to check over their applications for registry to the control of the control o

#### THE MACKLIN SALE

The attendance at the Macklin sale was fair, considering the weather. The thermometer was away beacher. The type and the grades soid from \$65 to \$132. all being bought by local dairymen. Animals realising \$150 and over were soid as follows.

## ONTARIO CHAMPION GRADE HOLSTEINS BY AUCTION

Editor, Farm and Dairy.—We are send-ing you a few facts pertaining to our hard of high grade floistens to be offer-ed at Villa View Farm, Sebringville, Tossalay, March 3rd, 1934, by Artogas, and P. 3. Arbogast. We have pur-based and P. 3. Arbogast. We have pur-based and proper of Motherian and as a result of pure bred Motherian without reserve.

cansed a herd of pure hred Holseins.

without receivery grade will be sold without receivery grade will be sold without received breading and feeding. All the satinate offered in this sale but two were beginned to be sold developed by Peter Art.

Grade and the sold developed by Peter Art.

Grade and sold developed and sold

HO

Alfalfa To the

We than bidding at Consignmer pleased yo other fello us. We capril breed Ormsby Fa and grand butter in 7 WILBI

Ti

LYNDE

Bulls for sa backing. One March, 29.45 l of milk in 1 De Boer, 23.03 30 days at 2 dam, 25.77. Of Bull Calves of Write or c Write or o Cedar

One Bull, 11
gave 10,440 lbe
and gave 21.1
month on podams average
son of Bright
Also three
bargain. Wri
A. J. TAMBL bargain. Wri

> Regist prices.
>
> Boy strains.
>
> Parti get them ch

SPRINGB Herd headed tiac Korndyke dam is also by old record of 3 ing 4.80% fat. offer and one r dividuals. Sev bull for sale. type and qualit dyke and getst

A. C. HALLM

LYNDAL Grandso Three Calves Artis Canada. with a 25-lb, da BROWN B

Anything From 1 w

BPROIAL obred, and Bulli My herd bul 6026; dam, Sa in Canada to in record 30.4. S Write me or you think it we WM. HIQQII

100 L E

BROTH A BROTH 118 lbs mill 7 days and His dam's 106 lbs mi R.O.P. DAM—A h
—whose mi
To be offici

This your spring) is about half Also a h and out of Walker Pi Another oby the sam jr. 2-yr.-old ing up to is out of dam and h at Toronto

Write me B. R. LEAV HOLSTEINS

Alfalfadale Holsteins To the Bidders and Buyers

of Holsteins

(29)

wood Tariff longress has e with that have picked

alls

igh in price
farmers see
ction for as
t an objecto want some
w pure-breds
n bulls are
prices better
which are which

teins, num-teins, num-tland. The nd those of promises to tock of the onot direct anada, does breeder two and so en-ore and bet-

ok has been bed to mem-printed in hat used by which gives which gives egistry, and cost of the er's delays om getting to year, but otter things breeders to for registry made out, all informa-this were the office W. Clem-

lin sale was The ther-ro all day. \$132. all be-n. Animals n. Animals

ne. Solina; \$180, Thos. nilton, \$170, Mary Jane, Nellie, \$150, \$166, G. A. RADE

e are sending to our to be offer-Sebringville, y Arbogas e have puri Holsteins, will be sold

28 years of g. All the ut two were y Peter Ar-of each in-number of nimal offer-ord. Heifer y the best e-bred sires counger aniounger ani-lestia Scotts o best bred

o valdessa

e world, and

o valdessa

e world competi
vestern on the record,

six months

full milking

ost without

a type and

ed udders

so included

dy for serladin Orms
pandanna Lad

wners what

gnat Bros.

gnat Bros.

chieny c.
ulating the
the price of
s are faroffers for
s, they will
he breeding
yield them
y years to
nales is but
the go den

, 1914.

We thank you for your prompt bidding at the Southern Ontario Consignment Sale. If our eattle pleased you at the sale tell the pleased you at the sale tell the us. We can book a few cows for April breeding to Finderne Valdessa Ornaby Fayne, whose 3-yr-old dam and grand-dam average 33-06 lbs. butter in 7 days. WILBER C. PROUSE Tillsonburg, Ont.

LYNDEN HERD High-Testing Bulls for saile, fit for service, with good backing. One sired by a son of Evergreen March, 28-6 libe, butter 7 days, 25:100 libe. Bullet 7 days, 25:100 libe. Bullet 7 days, 25:00 lib

Cedar Dale Holsteins One Bull, 11 mos, whose dam, at 2 yrs, gave 15,460 lbs. milk, testing 348 per cent, and gave 21,850 lbs. fat in her eleventh month on poor feed. His sire's 5 nearest dams average 26 lbs. in 7 days and is a son of Brightest Ganary.
Also three younger ones for sale at a hargain. Welke or one and see.

4. 3. TABBLYN . ORONO. ONT

Registered Holsteins

FOR SALE
Young Cows and Heifers at bargain
prices. De Kol, Pontiac and Butter
Boy strains. Calves at foot or safe in
calf. Parties wanting a bunch will get them cheap-JACOB LAUGHEED, WODEHOUSE. ONT

SPRINGBROOK STOCK FARM SPEINGBROUN SIUCH ARM.
Herd headed by one of the best sons of boundaries.
Herd headed by one of the best sons of boundaries of the second and is also by the same eiter with a 1r. 4yr-old record of 2r. 11 he, butter in a week, test offer and one nine months old. Excellent in-dividuals. Several good own in call to above ball for sale. Tanyworths of all ages, of good dryke and gettarted right. Come and see them.

No helfers for sale.
A. C. HALLMAN — BRESLAU, ONT.

#### LYNDALE STOCK FARM

Grandsons of King of the Pontiacs Three Calves 9 mos. old, sired by King Pontiac Artis Canada. One is from a ac-lb. 2-year-old with a 25-lb, dam, and 28-lb. grand dam. Another from a 2s lb, fr. 4-yr. -0ld. The other from 3-cb, jr. 4-yr.-old, with 25-lb, dam and 28-lb. grand dam. BROWN BROS., - LYN, ONT.

Anything in Holstein Females

Anything in moistein remains
From 1 week to 6 yrs. 647, 75 head to
choose from.

BPEGIAL OPERN 10 Heifers rising 2 yrs.,
bred. and Bulls from 7 to 10 mos.
My hear bull is Geast Hespervile Be Kel, No.
6099: dam. Sara Jewel Hengerveld 3rd, first cow
in Canada to make over 30 lbs, butter in daysrecord 304. Sold for \$5,000
Whyle me or come and see what we have that

Write me or come and see what we have that you think it would pay you to buy.
WM. HIQQINSON - INKERMAN, ONT.

#### 100 LBS. MILK ON EACH SIDE

A BROTHER to MAY ECHO SYLVIA.
138 lbs milk in 1 day, 34 lbs. butter in
7 days and 141 lbs. in 30 days.
His dam's dam (DH ROL, PLUS) gave
166 lbs milk in 1 day-62,500 lbs. in
R.O.F.

DAM—A big strong vigorous 4-yr.-old—whose milk never tested under 4%.
To be officially tested in spring.

This young bull (fit for service in spring) is a low-down, strong chap-about half and half in color.

Also a half brother to above bull and out of a daughter of Count Segis Walker Pietertje

Another oalf whose first five sisters Another oalf whose first five sisters by the same sire made 15 lbs, each as r. 2-yr.-016e-one 17 lbs, and two milk-ing up to 81 lbs, milk per day. Calf is out of officially tested oow whose dam and her two brothers won First at Toronto on separate occasions.

Write me about these B. R. LEAVENS - BLOOMFIELD, ONT.

THE SALE AT THORNHILL ON MARCH IITH

Belgemont Stock Farm has long been known as the home of a hard working herd of pure bred Holsteins. Mr. Geo. How here the herd of pure herd of substitution as a breeder and a feeder of good once. And he has the right kind of substitution of the head of

than those kept in an unsanitary way. Practically every mature animal is in the R O.P. with very worthy records, all made under ordinary farm conditions as a made under ordinary farm conditions feeds preduced on the farm. There are few herds in the Dominion that have made such a good showing without special care and feeding.

cial care and feeding.

Daisy Calamity, whose photo appeared in Farm and Dairy of February 12th. is one of the good ones in the herd. Her ber owner \$800 and the herd. Her ber owner \$800, an average of \$312 a year-fler four-year-old daughter in the sale is also making extra good, and in the milk. There is a young son of Daisy Calamity in the sale that will make a choice herd sire. He is strong, trim and deep, and a try the well-known built. Glenaide Laura, one of the older ones.

and deep, and by the well-known bull.

Sir Lyous fresperveld Segis.

Glenaide Laura, one of the older ooks.

Glenaide Laura, one of the older own,

with a spieudd udder of the show

shape. As a four-year-old she gave 11.65.

Ibs, and is in the B. O. P. She will make
a good addition to some herd, as she is

are described by the herd size are in

the sale. The five-year-old, Ormeby Lady

De Kol. has milk veins that extend on

either side, almost to the fore-log. As

in 35 days, and last year gave over

1.0.0 lbs. in 10% months. In the sale
there will be two of her daughters and

a young son-two of them by the herd

qualified has year is Edgemont Kell, with

nearly 10,00 lbs milk to her credit.

A seven-year-old, Ida Mechthilde De

qualified hast year is Edgemont Neil, with moary 16000 lbe milk to her evedit.

A seven-year-old. Ida Mechhilde Delook in the It. O. P. as a two-year-old.

A seven-year-old. Ida Mechhilde Delook in the It. O. P. as a two-year-old.

It. O. P. as a two-year-old.

With I months between calving. Her milk brought Mr. McKenels 250. She is roomy, has an excellent udder; as the when the writer called. She has three daughters in the asie, two by the herd sire, and one of which made 18-69 lbe, one is Lady Fafort! Poech. As a twoyear-old, but gave 10596 lbe, and last yearmade 14-59 lbs. She is a nice, strength in the chiest one made 14-59 lbs. as a fouryear-old, but did not freshor in time of Poech 18
Figure 1902 be milk She is a fouryear-old, but did not freshor in time of Poech 18
Figure 1903 lbs. She has a fouryear-old, but did not freshor in time of Poech 18
Figure 1904 lbs. She has a fouryear-old, but did not freshor in time of Poech 18
Figure 1904 lbs. She has the best handler in the hard, in escellent condition. The choice young cows is Tolkilla of Riverside. Last year, as a four-year-old she gave 11000 lbs. milk.

choice young cows is Tolkilla of Riverside. Last year, as a four-year-old she gave 1500 lbs. milk gave 150

## THE ELMCREST OFFERINGS

Norfolk Holstein Breeders' Consignment Sale SIMCOE, MARCH 10th

1 NETHERIAND PAPORIT. born June 17th, 1908. This heifer is the Camadian aunity recypeared 36-day champion. Records at 2 years 9 months -45 lbs mills, 256 lbs butter in 7 days, per cent fat, 37,7 mills 1,564 lbs. butter 826 lbs., per cent fat, 327 for 30 days. Here is an opportunity to purchase absolutely at your concentration. Due to Treate an opportunity to purchase absolutely at your concentration. Due to Treate March 2018 Straight and right. Should make a 36-lb. senior 37r.-old record.

2. NETHERIAND BRAUTY DE KOL. born Oct. 19th, 1950. Record at 7 yrs., 474 lbs milk, butter 224f. Maternal grand-dam of No. 1. Fresh of ELLER NINGER PAROPET.

o. lst. 1915. 3. EILEEN EUNICE FAFORIT, born Oct. 19th, 1910. Record at 2 yrs., 54. From same sire as No. 1. Fresh sale time-4. BESSIE FAFORIT, born Jan. 12th, 1912. Sister to No. 1 and No. 3

Die March 22nd.

10 March 22nd.

10 EMBALE LOLA, born April 8th, 1913. A grand-daughter of Change-ling Butter Boy and Tidy Abbekerk Princese Bettina, 3013 in 7 days. A Show beffer.

Show heifer.

No. 1 and No. 4 are bred to Schulling Mercena Posch, a son of the 27.50

B. Guelph Sweepstake winner. 1911.

Write J. ALEN. WALLACE, SIMCOE. for Catalogue.

W. H. CHERRY GARNET, ONT.

#### MANOR FARM

Senior Herd Sire, Prince Hengerveld of the Pontiacs, a son of King of the Pontiacs and from a daughter of Pietertje Hengerveld Count De Kol. Junior Herd Sire, King Segis Pontiac Posch, a son of King Segis Pontiac Alcarta (the \$10,000 bull), and from a 20.62 lb. 3 year old.

We will be glad to mail to anyone extended pedigrees of these Sires. We are offering a limited number of cows in calf to them for sale.

No Heifer Calves for sale at any price.

GORDON S. GOODERHAM

BEDFORD PARK, ONT.



# FOR SALE

Hamilton Farms, St. Catharines, Ont. Herd Headed by PRINCE HENGERVELD OF THE PONTIACS Son of King of the Pontiacs

See issue of Farm and Dairy, January 22, 1914. BULL CALVES FOR SALE

Also TWO NICE HEIFERS bred to Herd Sire, \$150.00 each.

#### FAIRVIEW FARMS HERD

E. H. DOLLAR,

**HEUVELTON, NEW YORK,** 

NEAR PRESCOTT, ONT

## A COMPLETE DISPERSAL SALE

# OREGISTERED HOLSTEINS 50

Will be held at

ALFORD JUNCTION, MARCH 12, 1914 5 MALES 45 FEMALES

Practically all mature animals in R. O. P. or R. O. M. Choice young stuff from these dams. Note these-Hulda De Kol Princess-Cil libs. milk and 25 be butter in 7 days. Spinis August Daisy, at 2 yrs. made 19.76 bls. milk over 4% fat, butter, 487 lbs. Another 2-year-old. Blanche Kay Beauty, made 19.46 bls. in a year. Emite 2 Jane Pesch (4) yrs. has a yearly record of 567 lbs. butter fat from 16.737 lbs. milk. Get a catalogue and look up the breeding of this herd.

As I am leaving the farm everything will be sold — complete farm equipment, horses, etc., on Mar. 11, and the splendid herd of Holsteins on Mar. 12, when rigs will meet all trains at Alford John. Terms-Cash or 7 months at 7%.

For Catalogues write

H. F. Patterson, R. R. No. 4, Paris, Ont.

WELBY ALMAS, Auctioneer

## OUR TWO HOLSTEIN HERDS

Will be Sold by Public Auction at

## LANSING, MARCH 24, 1914

These two herds consist of 65 exceptionally well-bred registered Holsteins of all ages.

## 55 Females

10 Males

SIR LYONS HENGERVELD SEGIS is the herd sire. Could you ask for better breeding? Most of the young stuff is by him as will also be the crop of spring calves.

Here is an opportunity to secure breeding of the highest quality combined in individuals of the right size and type.

Write for a catalogue and look up what you need.

TERMS: Cash or 8 months on approved notes at 6%

J. C. BALES (Proprietors) O. D. BALES LANSING, ONT.

AUCTIONEER J. H. PRENTICE 

# CLEARANCE SALE HOLSTEINS

THE 100-LB. KIND

## At ORCHARD HILL FARM Bloomfield, Ont., Wednesday, March 18

1 O'CLOCK, P.M.

A Breeder's Sale-The Entire Herd-Mostly Females-Just a Score.

Not How Many! But How GOOD!! LISTEN!!!

Daughters of KORNDYKE ECHO VERBELLE-His dam, gr.dam and maternal sister are ALL 100-lb. cows, and together produced in one year R.O.P. Official Test over 62,000 lbs. milk.

Daughter and several gr.-daughters of De Kol Plus-106 lbs. milk in one day, over 22,000 in one year (Canadian Record when made).

Sisters of Victoria Burke-106 lbs. in 1 day, 30.82 of butter in

(More 100-lb. blood in this Sale than several others combined)

"I have personally inspected these cattle and you will find them not only 'Bred' right but the females in milk, good square cows with splendid udders. They LOOK right." G. A. BRETHEN, Sales Mgr.

As I am giving up farming these cattle must be all sold, together with Horses, Harsess, Waggons, etc. These cattle represent the best foundation cows I could buy and their propeny from extra high-class buils. The catalogue will tell you more of these good cows and their breeding. You are cordially invited to send for one and to attend up sale on March 18th.

## W. J. GEROW, Prop., Bloomfield, Ont.

NORMAN MONTGOMERY, Auctioneer G. A. BRETHEN, Sales Mgr. \$aanaanaanaanaanaanaana

## MARKET REVIEW AND FORECAST

Toronto, Monday, Peb. 33-As the Spring trade and to become more optimistic. As indicated last week, agring orders are not coming in which the selection of the control of t

Grains have been stronger this week, while the live stock market has tended to lower levels. Dairy produce is firm on a normal market.

WHEAT

WHEAT
The wheat market has been strong the world over. Prices have generally advanced, and there has been considerable enquiry for Canadian wheat from Europe. Wheat holders, however, are very optimistic, and little business is being done. Quotations now are No. 1741, because of the convertigation of the con COARSE GRAINS

COARSE GRAINS

Coarse grains generally are in stronger demand, oats and buckwheat moving to higher levels: Oats, C.W. No. 2, 42/cs. No. 3, 69/cs. Oatsario Sto. 3, 50 buckwheat, 76 to 76 barley, 57 to 59 k. Montreal quotations are: Oats, C.W. No. 2, 43/cs. No. 3, 45/cs. No. 1 feed, 48c; corn, 70/cs. 16 71c. peas, 8175 to 825, pt. 76 to 76 to 76 to 16 20 to 16 50 to 16 50 to 17 8 to 16 50 to 16 50 to 17 8 to 16 50 to 16 50 to 17 8 to 16 50 to 17 8 to 16 50 to 17 8 to 18 50 to 17 8 to 18 50 to 18 50 to 17 8 to 17 8 to 18 50 to 18 50

To to Tac; feed wheat, To to 80c.

Mill feeds are decidedly consistent of the important of a good to the important of the imp

shorts, 825, middings, 825.

FOTATOES AND BEANS
There is no change in the potato market, supply and demand being nicely ballanced. Ontario's, 800 to 800 Million and the control of the 

Merchants are paying farmers a bushel as follows: Alsike, No. 1, 88.50 to 89; No. 3, 86 to 87; red clover, No. 1, 88.25 to 88.75; No. 2, 87.50 to 88; timothy, No. 1, \$2.75 to 83.25; No. 2, 82 to \$2.50.

HAY AND STRAW

HAY AND STRAW

The hay market is now firm at recent declines, and while there is no demand from the Old Country a few lots are going forward to the United Sidnes (Quodiation to the Law 1997 of the Country of the Coun

March in dro unaily considered a win-ter month in the egg trade as receipts then come well up to summer propor-tions Aiready in United States egg re-ceipts are increasing greatly, and the tendency here is toward model in the decline of the control of the control of the control of the control of the decline of the control of the control of the control of the control of the sale quotations now are: New-laids, 36s to 56: selects, 36 to 56; selects, 36s; selects, 36s;

der liberal United States One-lings tations now are: No. 1. 25c; selecta. 30c; new-laid, 35c to 55c; new-laid, 35c to 55c; foreseed poultry are: Fowl, 13c to 15c; alive, 13c to 15c; dressed syring chickens, fee to 15c; alive, 13c to 15c; geese, 13c to 15c and 10c to 11c; turkeys. 17c to 25c and 16c to 11c; turkeys. 17c to 25c and 16c to 17c.

DAIRY PRODUCE

DAIRY PROPUCE

Receipts of butter are not yet increasing to any great extent, though indications point to an increased make durin; the summer. Several additional cheen factories are reported to have a considerable of the control of

LIVE STOCK
Cattle quotations have taken a step
backward to the level of three weeks age.
During the past week the alliquests
weather arrived on the market and lower
levels were established on Monday.
Frices are an high
weather arrived on the market and lower
levels were established on Monday.
Frices are as high
weather arrived on the market and
the demand to the packers are case
ify supplied During the later part of
the west receipts tended to drag quotations now average as follows: Blutchers
cattle, choice, \$8.25 to \$8.25; com to good,
\$8.75 to \$6.25 to \$7; com, to good, \$8.75 to
\$6.50 butcher bulls, \$4.25 to \$7.75; feeders,
\$6. to \$7.95; butcher bulls, \$4.25 to \$7.75; feeders,
\$6. to \$7.95; butcher bulls, \$4.25 to \$7.75; feeders,
\$6. to \$7.95; monday,
\$6. LIVE STOCK

are now offering \$8.00 t.0.b. country points.

MONTREAL BUTTER AND CHEESE

MARKETS

MORTEVAL SAMARKETS

The chocese trade is very quiet, without any features worth noting, and will probably remain in this state until the chibit and the country and the country of the country o the demand.
MONTREAL HOG MARKET

MONTREAL HOU SAVES:
Montreal. Saiurday, Feb. 2: There was no change in the market for live hogs, and prices are firm at \$9.75 to \$10 a cwt. for selected lots. The market for dressed hogs is firm but without change. Supplies are light, sales being made at \$14 to \$14.95.

ANOTHER CHOICE HERD BEING DISPERSED

Breeders who are looking for high-class foundation stock to the property of th

The Holstein cow. Rawdon's Pride, pur-chased by Mr. John Durran, of Camp-bellion and the principle of the purpose of the purpose of the purpose of the purpose of the 13.26 De. milk. Mr. Durran has lately nurchased two two-year-folds from Mr. Kingston, both of which have official re-oords.

AYRSHIRE RET.
ARUTHORISM SERVICE SERVI

February 2

FARM

Thelma Lake, A. C.P.R. Stone he acres ready for Office on farm lake front. App Geo. Taylor, 195 AYF

BUNNYS
imported and
choicest breedin
been selected
'Young Bulls dr
'Nether Hall
as well as a fefor sale. Write
J. W. LOGAN
('Phone in h

TANGLEW

WOODISSE

Burnsi Winners in tests. Animal or Canadian Long Distan-R. R. NESS

CHOI Nine Bulls 130 days. One Bright Lassie: old: dam. Ho One 10 month \$46.00. A few Exhibition bit narticulars www...Thors, Tro Long Dis

> al Barcheskie

Barcheskie (7731) Hobsiand B Morton Mai Auchenbrais (8865) Imported I ance Da GEO. H. MON Dominion Ex Montre HC

OXFO The Ho Is the place The Third the city of Full list of with post of on applicati R. J. KELL

Regis

Our sp Heifers ar Bull Caive W. W. GE

(31)

251

AAAAAAN N T \*\*\*\*\*\*\*

1014.

ken a step be weeks agopments that se of severe that it the market the market that it the market it that it the market i

with quota-ambs, \$9 to \$9; ewes, \$5 ket has been stern Canada-1,000 hogs ar-orth-West and consignments hed the price and packers .o.b. country

D CHEESE In the cheese any features bably remain int of the new advices from marking the country for the country firm marking for but the country lying on the life in the country lying on the life in the lying lyi

ARKET
beb. 21.—There arket for live m at \$9.75 to s. The market n but without it, sales being

ERD BEING

g for high-class something to b's clearing-out to be held in t Woodstock on

of 51 animals, bulls. The oldrears but pracrears but pracrears but pracrears but pracrears about 50
1.29.15 breeding,
the home farm.
Amny of them
Mand of Kent,
the eight months
a. One of her
the 30-day test
seven days. The the 30-day test seven days. The ighters of this g distance milk-er desires to add

othilde, the herd le is a choice in-reat sire for pro-ne sale there will and two sons. od stuff from Sir-rookbank Butter roven sire with

well known to
Ede has been in
for the past 15
used the best of
farms has been
ed every animal
mer on Thursday

wdon's Pride. pur-burran, of Camp-Kingston, of the period from June dst, 1914. produced burran has lately ar-olds from Mr. h have official re-

AYRSHIRE BREEDERS IN BRITISH COLUMBIA ORGANIZE
Another Arphire citch has organized, which will be a support of the support of

speet to hear soot reports from the sunsety province.

Where such thus have been organised.

Where such time there has been organised to any such that the sun of t

## FARM FOR SALE

Thelma Lake. Alta., 10 miles from Fleet on C.P.R. Stone house, 6 rooms, 160 acres, 75 acres ready for seeding. School and Post Office on farm Good well water, 10 acres lake front. Apply

Geo. Taylor, 195 Murray St., Peterboro, Ont.

#### AYRSHIRES

BUNNYSIDE AYRSHIRES
Imported and Home-Bred, are of the
choicest breeding of good type and have
been selected for production.

Toring Bulleting for the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the
control of the production of the production of the production of the
control of the production of the

TANGLEWYLD AYRSHIRES



The leading R.O.P. herd. High-testers: average test for herd 4.4 per cent. butter-fat. Choice Young Bulls and Bull Calves for sale, all from R.O.P. WOODISSE BROS. ROTHSAY. ONT.

## **Burnside Ayrshires**

Winners in the show ring and dairy tests. Animals of both sexes. Imported or Canadian bred, for sale.

Long Distance 'Phone in House.
R. R. NESS HOWICK, QUE.

CHOICE AYRSHIRES CHOICE AYRSHIRES
Nine Bulls at half thely value for next
20 days. One I year old but sprint
Fright Lakes. One I year old but sprint
Fright Lakes. One I year old but sprint
Self-ship Lakes. One I year old but sprint
Self-ship Lakes. One I year of the Self-ship Lakes. One I year
Self-ship Lakes. One I year
Lakes. One I year old but ship Lakes. For next leakes. Fo



## LAKESIDE AYRSHIRES A welest lot of Young nationall ages. A select lot of Young Bulls, all ages, sired by the follow-ing:

Barcheskie Cheerful Boy (Imp), 28879

(7731) Hobstand Bonis Boy (Imp.), 3275 (8776) Hobstand Bonis Boy (Imp.), 3279 (8774) Morton Mains Planet (Imp.), 3279 (8774) Auchenbrain Saa Foam (Imp.), 3578 (8855) Imported Dams - Record of Performance Dams.

GEO. H. MONTGOMERY Dominion Express Bidg-Montreal

D. MCARTHUR Philipsburg, Que.

## HOLSTEINS

OXFORD DISTRICT The Holland of North America

Is the place to buy Helsteins of quality. The Third Annual Sale will be held in the city of Woodstock on March 28th, 1914. Full list of breeders in the Oxford District with post office and station addresses sent on available 18th. on application to R. J. KELLY, SECY., TILLSONBURG. ONT

## Registered Holsteins

Our special offering is 2-year-old Heifers and young Cows in calf; also Bull Calves. Prices reasonable.

W. W. GEORGE - CRAMPTON, CNT.

Thompson, Chilliwack; Hon. Director, W. T. MacDonald, Victoria; Directors—G. Mutter, Duncan; T. Ounningham, Nanaimo; Geo. Sangsier, Victoria; S. P. Chaplin, Agassis; H. W. Vanderhoch, Chuntingdon; J. H. Campbell, Nelson; N. C. Calder, Revelatoke; J. A. Pringie, Oranbrook.—W. F. Stephen, Secretary-Treasurer, Huntingdon, Que.

#### SALE DATES CLAIMED

SALE DATES CLAIMED
Glearing auction sale of & head, high
grade Holetcins, Villa View Farm, Sebringville, Ont. Arbogast Bros., March 3.
Sale of choles high-grade Holetcin and
Durham dairy cows, horses and farm, inMarch 3.
Sale of 56 Holsteins March 11th. W.
H. Murchy, Laureidale Farm. Oxford
Norfolk Holsteins, March 11th. W.
H. Murchy, Laureidale Farm. Oxford
Norfolk Holstein, Friesian Breeders'
Club, Sinoco, Ont. March 5th. D. Ede.
William Cont., March 11th. D. Ede.
William Cont., March 11th.
Discretion sale, March 5th. D. Ede.
William Cont., March 11th.
H. F. Pitzerson Alford Jet.
W. O. P. Wolsteins Geo. H. McKennig.
Thornhill, Ont., March 11th.
M. F. Pitzerson Alford Jet.
Waten. Pina Geore, Ord. March 18th.
March 5th. disprain, sele of Holwaten. Pina Geore, Ord. March 18th.
March 5th. disprain, sele of HolGordon S. Gooderham. Bedford Park.
Gooder S. Gooderham. Bedford Park.
Gooder S. Gooderham. Bedford Park.
Oxford Disression cale of % head of Holsteins
on March 5th. W. A. Hartley, R. R. No.
3. Woodstock.
A NIW BEFORD.

#### A NEW RECORD

A NEW RECORD

I am advised by spellminary superior
the AT Mills of the AT Mill

#### "SOUR GRAPES"

#### BUTTER-MAKING IN HOLLAND

BUTTERMAKING IN HOLLAND
According to the Practical Dairyman dairy conditions are changing in Biol land. Heretofore cheemaking in Biol land. Heretofore cheemaking many excellent cooperative creameries in Bioland, and as a consequence more butter is being made than ever before for the British marketing a great deal of attention to an increased fat production on the part of cows, and a great musber are more testing around 35 are The dam of one young bull, shown at the Leguarden fair in Celeber aerased (33 per cent of another has a record of 3.500 has milk with a forced records, but are mode under normal farm conditions with at months in the pasture and six in the stable.—W. A. Clemons, Secretary

## PURE SEED

# O. A. C. No. 72 OATS

R. F. KLINCK, VICTORIA SQUARE, YORK CO., ONT.



## PERCHERONS

MY STALLIONS are now in the best possible condition and I am making attractive prices. If you are in the market for the best, write me. Circular free.

Guellette Ave. "Win

Percheron, Clydesdale and Shire Belgian, Hackney and French

FULLIFOR, LIQUESUAIE AND SHIFE DEIGHAN, HAKENEY AND FEECH SHARES WE have a better bunch of stallions and mares in our bars at present than ever before and are in a position to sell others, that any others in the business. We raise our and are in a position to sell others, that any others have business. We raise our and read in a position to sell others, the selling. No commission agents to share profits with the selling of the selling of

J. E. ARNOLD, Grenville, Que. C.P.R. and C.N.R. Three trains daily from each city.

#### Maple Valley Stock Farm Will sell by Public Auction

17 Females and 4 Males will go under the hammer at your

20 Head of Imported and Canadian-bred

AYRSHIRES

dale, Imp., one of the Best Bred Ayrshire Bulls in Canada heads the herd.

At Russell, Ont., Tuesday, March 10, 1914

Many of the Females have qualified in the Record of Performance

It is a chance to buy Good Breeding Cows and Heifers that carry the Best and Most Esteemed Blood.

The individual excellence of the animals is as good as their breeding.

GET A CATALOGUE AND COME TO THIS SALE

ROBT. MEHAREY, Prop. - RUSSEL, ONT.

## CLEARING AUCTION SALE 32 HEAD HIGH-GRADE HOL

Guaranteed to be sold without reserve or by-bidding. Sale will be held at VILLA VIEW FARM, SEBRINGVILLE, on MARCH 3rd, 1914. The Entire Herd of Grades will be sold on account of the natural increase and heavy purchase of Pore Bred Holsteins.

30 of the animals offered were bred, raised and developed by ourselves. Their Dams and Grand-dams won First and Sweepstakes in the Dairy Herd Competitions for Western Ontario in 1911, and still hold the record.

2 Registered Bulls, 10 months old, will also be included in this sale. 18 Cows due to freshen in March and April, and 10 will be milking.

Send for a Catalogue

THOS. SMITH, Auctioneer

ARBOGAST BROS. & P. S. ARBOGAST, Proprietors
SEBBINGVILLE, ONT.
G. T. R. 4 Miles West of Stratford

CLEARING AUCTION SALE OF 25 HEAD OF REGISTERED

At Lot 7, Con. 6, Vaughan

Pine Grove, Ont., on March 18, 1914

Included in this mis are 4 daughters and three sons of the herd sire. Homestend Colombar Pince Cannary (1904). He has never been beaten in Homestend Colombaring won. List prise as a 2-37--0id. Junior Champion and Grand Champion Male at the National Dairy Show, Toronto, Nov., 1913. Twelvo females are bred to him. The females are bred to him. The females are bred to the ducers; all of those tested in the ducers; all of those tested in the ducers; all of these tested in the ducers. The property of the ducers are described by the ducers are described by the ducers and the ducers are described by the ducers and the ducers are described by the ducers and the ducers are described by the ducers are ducers are described by the ducers are described by the ducers are ducers are described by the ducers are ducers are described by the ducers are ducers are ducers are ducers.

Write for a catalogue giving full particulars

Sale Commences at 2 o'clock

WM. WATSON - PINE GROVE, ONT. SAIGEON & McEWEN, Auctioneers

#### Select any one of these Instruments of All Music



Columbia Graphophone "Eclipse Oak or Mahogany 832.50



Mahogany or Quartered Oak.
Golden, Fumed or Early English
Golden Jewel similar to above 845



Columbia Grafonola "Leader" Mahogany, Satin Walnut or Quartered Oak Golden, Fumed or Early English



Columbia Grafonola "Mignonette" Mahogany, Satin Walnut or Quartered Oak, Golden Fumed or Early English



Columbia "Grand" Grafonola \$650. Colonial Grand Model same price.

Remember that this offer would not be possible were the Instruments not all we claim for them.

YOURS will be the final judgement!

## We are basing this offer on Your Integrity Your wisdom Your love of music

and our confidence in what we have to offer.



E will send you on 10 days free trial any one of the Matchless Home Entertainers illustrated in this advertisement, together with your own selection of of the Double-Disc Records shewn and 200 Needles.

You will then have sufficient music for many an evening's entertainment and can judge for yourself whether or not you can afford to be without the World's Best Music.

# Columbi

## Grafonolas and Records

are the attraction in the best City Homes and the Leading Clubs of Canada.

There is not the slightest doubt as to the superiority of Columbia Instruments of all Music. The most enthusiastic Columbia converts are those who have been disappointed in the purchase of mere "Talking Machines.

It is to prove the difference that we are making you this unprecedented offer. You can lose nothing by taking us up while the opportunity lasts-we can gain nothing if our claims are not true.

#### CUT THIS OUT AND MAIL TO-DAY

RecordsWanted To THE MUSIC SUPPLY CO. 36 Wellington St. East, TORONTO as weimington St. East, TORONTO
I acopt your offer of Free Trial of a Columbia Grafonola.
The model I select is fill in name) at price of
8 and the Word'da tert Mar. Mobblesided Records.
I want the Word'da tert Mar. Mobblesided Records.
I want the Word'da tert Mar. A select of the columbia of the Colu My Name s. The same information on a postal will do if you don't want to cut this paper

HAVE YOU SEEN THE NEW COLUMBIA RECORD CATA-LOGUE-SEND US A P.C. FOR ONE.

#### Select any of these Double-Disc Records



ODDED BY NUMBER ONLY

#### A.1238

Auld Lang Syne. Columbia Mixed Chorus Jolly Sleigh Ride Party. — A descriptive number Prince's Orchestra.

Driving Home the Cows from Pasture Frank Coombs, Counter-Tenor, and W. H. Thompson, Baritone. Bonnie, My Highland Lassie-John E. Meyer, Baritone.

#### A772

Sweet Genevieve. Merle Tillot-son, Contralto. Bonnie Sweet Bessie Merle Tillotson. Contralto.

#### A 106

Comin' Thro' the Rye. George Schweinfest. Piccolo. Happy Heinie. March and Two-Step. Harry A. Yerkes. Xylo-phone.

#### A651

Inverary - Patter. Donald Mackay. Humorous Scotch Mackay Humorous Scotch Song. She is Ma Daisy—Patter. Donald Mackay. Humorous Scotch Song.

#### A 1404

Peg o' My Heart (Fischer). Henry Burr, Tenor. Somebody Eise is Crazy 'bout me (Carroll). Henry Bur Tenor, and Edgar Stoddard. Baritone.

## A 650

In Happy Slumberland — Waltz Medley Prince's Orchestra. Orchids — Three-Step Thomas Mills Orchestra Bells

#### A599

Man with Three Wives The Waltz Melodies. Prince's Orchestra. Medley March. Prince's Military Band. A711

Black and White Ragtime Two-step. Prince's Orchestra. Glow Worm.

#### A129

Dancing in the Kitchen Columbia Orchestra.
Espanita Waltz. Columbia Orchestra.

A973

Canadian Airs. Medley No. 1. Prince's Military Band. Canadian Airs. Medley No. 2. Prince's Military Band. A 355

"Out in an Automobile." "My Own Girl." "Football." "It's the Beet Old Flug on Earth"-descriptive medies. Columbia Male Quartette. Uncle Josh and "the Labor Union Cal. Stewart. Laugh-ling Story.

#### A268

Lead Kirdly Light. Baritone Solo. One Sweetly Solomn Thought. Henry Burr, Tenor.

Columbia Records play on any standard make of machine.

Columbia Records last five times longer than any other records.

Columbia Records are 'double-disc' (two selections) and cost from 85c. up.