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#### FARM AND DAIRY



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Each B-L-K pail milks 2 cows Costs only \$75 a pail. Complete outfit, power and pump

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One of our users milks 100 cows in two hours at an actual saving of \$1,568.00 a year over old cost of hand milking.

We have recently placed B-L-K Mechanical Milkers with two of the best milk dealers of the City of Ottawa. We have a number of users of B-L-K Milkers in Canada, the plants installed are giving Good Satisfaction.

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#### Owl Brand Cotton Seed Meal 200-

Guaranteed to contain 41 per cent. protein Makes your cows give more milk. Feed 2 to 3 lbs. a cow per day, mixed right on ensilage, or in with other meal ration.

PRICE Laid down at your station, all points in Ontario south of G. T. R. line from Ottawa to Parry Sound, for \$35.00 a ton.

We also offer you choice of a complete line of first-grade Poultry Feeds. On the following staple lines we quote prices per hundred pounds :

Beef Sorap, \$4.00; Blood, Meat, and Bone, \$2.25; Poultry Bone (3 sizes), \$2.25; Ground Oyster Shells, \$1.00; Poultry Crit, 90c.

WE PAY FREIGHT to all Stations in Ontario south and east of Sudbury on 500 lbs. or over

WE NEVER SLEE

Write us for prices on Linseed Oil Cake Meal, Gluten Feed, Feeding Tankage, Etc.

ALLEN & SIRETT, 23 Scott St., TORONTO

## LESSONS LEARNED AT THE EXPERIMENTAL UNION MEET

The Best Varieties of Many Farm Grops Tested by Over 5,000 Experimenters in the Last Year. A Summary of Results. Possibilities of the Small Farm. Labor Problem Comes in for Discussion

T was an optimistic atmosphere that stands high. This is because it makes prevaded the various sessions of such an attractive appearance in the perimental Union held at Guelph on This organization, composed of ex-listic organization, composed of ex-lative for an or which, for some celles, banded together for the pur-years, has surpassed both barley and the barlet of the the profession of the profession of the profession of the the profession of the pur-tance of furthering the evolution of the profession of the profession transformed to the profession of the pr This organization, composed of exa-students of the Ontario Agricultural Celles, banded together for the pur-pose of furthering the experimental work conducted at the college, has met with success far beyond the dreams of its founders. The progress the Intion has made was well success dreams of its founders. The progress the Union has made, was well sum-med up by Prof. C. A. Zavits, the secretary, in his report. During the five years of the Union's work, from 1886 to 1890, the average number of experimenters each year was 71. In the five-year period from 1906 to 1910 this number was increased to 4278. was increased to 4.278. Previous to 1886 only students or ex-students were supplied with material for experimental purposes. The great growth of the Union since then has been due largely to permitting all interested agriculturists to take part in the experiments. In 1912 there were 5,027 experimenters in agriculture. In the last few years the Union has In the last few years the Union has added cooperative work in botany, apiculture, forestry, experiments in elementary agriculture in the public schools and horticultural work to its

Inst. In his presidential address, F. W. Goble, Wocdstock, Ont., urged experi-menters to do all in their power to further the work of the college. Mil-lions of dollars, he said, had been addto the wealth of the province rough the findings of Prof. witz alone. Working in anthrough Zavitz alone. Working in an-other department, Prof. W. H. Day, had demonstrated conclusively, the value of underdrainage. Experiment-Value or undergranage. Exsperiment-alists could do much to make these findings better known throughout the country. But Mr. Geble did not con-fine himself to the beaten track of previous presidential addresses. "It would seem unreasonable,' "for the farmers' stock to have water bowls and for the wife to carry water." Later in the session this question wes discussed by Mr. Nelson Mcnteith and Prof. W. H. Day. The latter discussed the relative merits of hydraulic ram and the gasoline engine for supplying the home with water, and condemned the ram as wasteful where condemned the ram as wasteful where there was not an abundant supply of water. Mr. T. G. Raynor in discuss-ing the same subject added a new as-pect to the case when he remarked that "we must have the same conven-iences in the country home as in the other home. If we would here the here city home. If we would keep the boys on the farm we must keep the girls there too.'

#### REPORT OF EXPERIMENTS

The educational feature of the meet The educational relative of the meet was the annual report on the cooper-tative experiments by Prof. C. A. Zavitz. A summary of professor Zavitz' results is given in table form on page three of Farm and Dairy this He made particular mention of week their experiments with oats. Only three varieties were tested, the Siber-Only Lines varieties were tested, the Siber-ian. Regenerated Abundance and Lin-coln with 50.2, 47.1 and 46.5 bushels of oats per acer espectively. The dif-ference in yield between 50.2 and 47.1 bushels may not seem large, but Prof. Zavits noted that if this difference could be made in the whole oat crop of Ontario it would mean that 9,500,-000 more bushels would be harve ted

oats in yield. Buckwheat, the professor noted, has made the greatest perfor noted, has made the greatest per-centage increase even Ontario of any grain in the last five years. In seven ing of meet corn of which every serv-er should grow some for table of peaker mentioned the folder tam as being an exceeding the weet, like years means the there have the areas are small, but they are there in greater number than in case of the Cory and Evergreen. A MANGE LILTENON DESPELAR

A MANGEL ILLUSION DISPELLED Prof. Zavitz comlatted the alto gether too provalent idea that the long red mangel is the most desirable one from the crop production stand. point. In experiments conducted at the college and throughout the pre-vince, the Yellow Intermediate has for several years stood considerably Beveral years scool considerancy among of the Long Red and in 1022 the Ideal, a mangel of tankered form, gave the highest yield. Just at this point a member asked the professor what he thought of the sugar mangel. Prof. Zavita answered that the sugar mangel contained eight to 10 per cent. of sugar as compared with five per cent in the ordinary mangel, and 15 per cent. In the sugar beet, but did not see as large a yield as the mangel. The highest yielding fodder over "the ordinary mangel fodder over third in yield with 17.06 tons per acre as compared with 17.59 tons in the way fairly Velow Dent, was the most of the Long Red and in 1912 the Ideal

very Early Yellow Dent, was the most very Early Tellow Dent, was the most popular and the one that it would be the most advisable to plant in Ontario. Particularly favorable mention was Particularly favorable mention was made of the Davies Warrior, a variety them

#### A SLIPPERY QUESTION

A SLIPPER QUESTION Prof. Geo. E. Day compared his attempt to deal with distribution of labor on the franches similar to the attempt that a tarch similar to the attempt that a tarch of a slippen gial make to eat a large hard slippen gial make to eat a large hard of the que-tion. Prof. Day doubted if ordinary business principles could be applied with advantage on the average farm. He cited the two weakest points in farm management as being the tying up of a great amount of cepital in farm management as being the tying up of a great amount of capital in unprotageive material and the irreg-ular dicmand for labor. As remedies for the latter he suggested that all manure be taken to the fields in the winter and apread, that machinery **G** repaired in winter for the work of the nearess, set., the preparation of seed graves, set., the preparation of seed ghow an it, the development of the live slock and, the diversion of the live slock and the live slock Farm and Dairy. The possibilities of farming on

small area were brought home to the small area were trought home to the audience in a mest convincing manner by J. W. Clark, Cainsville, Ont, and F. W. Krouse, Guelph. Mr. Clark's success is too well known to the read-000 more bushels would be harvested each year. Particular mention was F. W. Kronse, Guelph. Mr. Clark s made of the Lincoh. This oat, which was the lowes: in yield of the three ers of Parm and Dairy to require varieties, was highest at foronto and winnipeg exhibitions this year and further comment. Suffee it is to su Winnipeg exhibitions this year and further comment. Suffee it is to su (Continued on page 11) A Awards

Vol. 7

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#### ION MEET

#### Experimenters in Small Farm

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trining on a home to the reing manner le, Ont, and Mr. Clark's to the readto require it is to say 25-acre farm 76 11) Each Week FARMAND DAIRY

Only \$1.00 a Year

Vol. XXXII.

FOR WEEK ENDING JANUARY 16, 1913

RURAL HOME

#### No. 3

### A SUGGESTED BASIS OR SCALE FOR AWARDING PRIZES IN COW COMPETITIONS \* Prof. H. H. Dean, O.A.C., Guelph, Ont. Awards in Dairy Tests Should be Made on a Strictly Commercial Basis. A Commercial Classification Entirely

Eliminating Breed Considerations Suggested. Would This Make The Test of More General Value?

HAT the French call, Laisses Foire, or the "let alone" policy is most popular with the masses. A new idea is usually distasteful to most persons. Some one has said, "mankind in general, hates new ideas because it requires thinking in order to understand and accept them." This peculiar trait of humanity has been put into a rhyme which runs as follows: "To follow fooliah precedent and wink

With both our eyes, is easier than to think."

Men who advocate changes and improvements are usually spoken of as "cranks," "kickers," and "knockers." The fact is, however, that most improvements have resulted from new ideas generated in the brain of a thinker,---a "kicker" if you will.

The present is essentially a commercial age, particularly so for the Anglo-Saxon race. Commerce holds sway in, and diclates the pelicy of nations who speak the English inguage. Philosophy and sentiment play but a small part in this "work-a-day," "get-rich-quick" age and generation.

#### VALUE THE BASIS OF AWARD

Coming to something more practical, we find the prizes in nearly all classes of live stock and live stock products at cur exhibitions awarded, so far as possible, on the basis of their relative market value -or what these are worth in dollars and cents. The judges in certain of the Leef, bacon and mutton classes at this Fair have their judgments, passed upon animals on the hoof, "checked up" by the judgment of experts on the carcases of these same animals. These two are getting closer together each year. In the horse and poultry classes, it is, or ought to be, the relative money values that decide awards as interpreted by the best judges obtainable. What would we think of a judge, say of bacon hogs, who awarded the prizes largely according to the fat on the hogs? Fat is an important factor but not all by any means. Market or food values being the basis for practically all other classes produced for human food, why not bring the dairy cow competitions under similar rules?

So far as I know the present scale for awarding prizes in the cow classes is a modification of an English scale of points used by the

\*An address at the recent Guelph Winter Fair. British Dairy Farmers' Association. Their scale as used during the latter part of the 19th century, and at the present time for aught I know, was as follows:

- 1 point for each pound of milk.
- 20 points for each pound of fat.
- 4 points for each pound of solids not fat.

1 point for each 10 days in milk, after the first 20 days, limit 200 days.

10 points are deducted from the total score for each per cent. of fat below three per cent. in the milk.

This scale has been modified from time to time in Ontario, until at present we have for this Fair the following scale:

- 25 pcints for each pound of fat.
- 3 points for each pound of solids not fat.

1 point for each 10 days in milk after the first 30 days; limit 10 points.

The British scale aimed to include, so far as was possible in one scale, the relative market values of all kinds of milk and alse to make some allowance for cows that were advanced in lacta-

tion at the time of the test. We have been gradually getting away from the original scale, until at present, the pounds of fat in the milk, which is the most variable milk constituent, practically decides the standing of cows in all classes. For the years 1907, '08, and '09, the prizes for all dairy breeds, and for all classes at the Guelph Winter Fair were awarded in the order of milkfat production. In the year 1910 all first prizes for all breeds and classes, except Ayrshires, Holsteins, and Jerseys 48 months and over, were awarded according to milk-fat production, and these exceptions are based on a difference of only about one-tenth of a pound of fat in each case All other prizes for that year, except a fourth prize in the Helstein cow class, went according to fat in the milk. In 1911 all prizes, except the fourth in the Ayrshire cow (48 months and over) class, the third prize in Ayrshires, 36 months and under 48 months, the fifth prize in the Ayrshire heifer class, and the fourth prize in the Holstein heifer class, were given on the milk-fat basis.

We thus see that four years out of five, at the Guelph Winter Fair, practically all the prizes have gone for milk-fat production. In the great majority of cases, weighing the milk and testing for milk-fat is all that was necessary under the present scale.

Briefly, my próposal is that the four great commercial classes, or uses of milk, be the Lasis for a warding prizes. These classes are — milk for direct coiumption, milk for crease makter-making, milk for chese-making, and for cohese-mak-

In the first case, prizes would be awarded according to weight or gallons of milk produced, so long as it is legal milk-3 per cent fat, 12 per cent total solids as defined in the Ontario Milk Act of 1911. (A deduction could be made for milk under legal standard). In the second class, milk-fat would be the basis of awards; in the third class, milk-fat and casein; and in the fourth class, total solids; or, this latter class might be included in the first, and thus reduce the number of classes to three, as at least one milk condensery in Ontario buys milk by weight, regardless of test.

One other suggestion. I would recommend doing away with the breed classes as we have them at present. I can see no reason why the Ayrahires should go into a class by themselves, the Holsteins by themselves, the Jerseys and the grades in still another class. This is too "oxclusive" in a text where public meney forms the chief part of the prise money. (I venture to say this on my own responsi-

## What Varieties Shall We Seed Next Spring?

Members of the Ontario Agricultural and Experimental Union have thoroughly tested all our best varieties of grains. Pollowing are the results of their tests in 1912 of a few varieties that in previous years had proved to be the best.

Experiments	Varieties	Compara tive Value	YII	ELD PER AC. Grain, bus.	RE Grain, Ibs
Oats (61 tests)	Siberian. Regénerated Abundance	100 84	1.68	50.16 47.08	1706
(or costs)	Lincoln	86	1.44	46.54	1582
Six-rowed Barley (23 tests)	{ 0. A. C. No. 21 Emmer	100	1.26	36.21	1748
Two-rowed Barley	( Hanna			*****	1646
(3 tests)	Two-rowed Canadian.	100	1.26	32.78	1574
			1.30	32.22	1546
Hulless Barley (6 tests)	Guy Mayle	100	1.92	28.77	1726
		93	1.85	26.23	1574
Spring Wheat	{ Wild Goose	100	1.09	18.00	1050
(4 tests)	Hungarian	82	1.05	15.33	920
Buckwheat	{ Rye	100	1.69	37.67	1808
(5 tests)	Silver Hull	78	1.69	32.83	1576
	[Imperial Amber	100	1.52	24.30	1458
Winter Wheat	American Wonder	85	1.47	21.77	1306
(13 tests)	Crimean Red	60	1.89	21.54	1292
	Banatka	70	1.43	21.15	1269
	Tasmania Red	60	1.80	20.96	1258
Winter Rye	{ Mammoth White	100	1.89	23.93	1340
(4 tests)	Common	68	1.88	19.83	1110
Spring Rye	[ O. A. C. No. 61	100	.59	26.79	1500
(3 tests)	Common	80	.46	24.47	1370
Field Peas	{ Canadian Beauty	100	1.07	21.60	1296
(20 tests)	Early Britain	83	1.03	21.53	1290
Field Beans	[ Marrowfat	100	1.44	31.37	
(12 tests)	Pea Bean	93	1.19	30.11	1882 1806
	[ Early Yellow	100			
Soy Beans	Brown.	76	1.33	18.13 13.49	1088
			Whole crop	13.49	810
	(Genesee Valley	100	Whole crop 15.58	57.86	
Corn for Grain	Early California	100	11.06	54.77	3240
(7 tests)	Wisconsin Little Dent.	77	9,10	54.77	3067 2390

52 (4)

bility and do not speak with authority). The public cares little whether an animal is red and white, fawn and white, black and white or "black and blue." What the public wants to know, and what they have a right to know, so far as public tests can settle such a question, is, what is the best cow for my, or our, particular line of dairying, whether it be milk production for town and city trade, cream and Lutter production, cheese, or condensed milk?

If the various Breed Associations wish to donate special prizes, or give money for the regular prizes, as they do now, for doing which they deserve highest commendation, they may do so under the proposed plan, but it is now time to get above petty breed jealousies, and adopt a basis of awards more in accord with the spirit of the times in a progressive dairy country?

### If We Must Have Beef

#### L. C. Smith, Peel Co., Ont.

Ever and ever the tendency is more and more toward dairy cattle. Beef cattle are either standing still cr actually on the decline in every province of Canada. But we eat just as much meat as ever we did. We Canadians, like our British ancestors, cannot get along without meat. Our wives do not know how to feed us properly without a good big percentage of beefsteak. If ac. quired characteristics are transacted from father to son, then we Canadians are doomed to be meat eaters. Sometimes we decide when meat is particularly high in price that we will try the vegetarian stunt, but it doesn't work well. I tried it myself once, and it was worse than pestilence and famine.

But where is the meat to come from? Raising

beef on the old lines is not prcfitable. I can remember in my father's day when practically the whole revenue of the farm came from what little grain we sold and from the steers. The cows did not give milk enough to make it worth while milking them after the first three or four menths, and hence the foundation stock was a dead loss. Hence we have the effort to breed a dual purpose cow. Beef men believe that if they could get a cow that would give enough milk to pay for her keep over and above the feeding of the calf and make a fair profit besides, the steers sold would then have only their own feed bill to pay and not their mothers as well. I believe it has been

proven that the dual purpose cow is a myth and a delusion. The specialized dairy cow is so much more profitable that we cannot afford to give the dual purpose cow stable room. The difference is easily explained. Our dairy bred cattle have been bred with milk preduction as the sole object for hundreds, and in many cases thousands. of years. The production of milk has become a part of their nature. Beef bred cattle have inherited exactly opposite tendencies. And we expect in a generation or two to overcome the beefing tendency that has been inculcated by hundreds of years of breeding.

But we must have the 'sef. Here is my plan. Why not have our foundation herd of females of cows of some specialized dairy breed? To breed beefing animals we would use a pure bred sire, but on no account would any of the progeny be retained in the herd. We would also keep a pure bred dairy sire which would be bred to only the best milkers in the herd, and the progeny here would be retained to perpetuate the foundation

stock. The advantage of this system would be that we would have a self-supporting herd and I believe we could breed from this cross, steers that would make good market animals. What do you think of my plan?

#### Alfalfa Growing in the Eastern Provinces T. Glydon, Prince Co., P. E. I.

Some have had fair success in growing alfalfa here in the eastern provinces of Canada. The experiences of others have not been favorable. Such has always been our experience before with other new plants. The writer would urge upon dairymen who want to increase their profits in that line of farming to grow alfalfa. It has been proven to be as rich in food constituents is wheat bran. I have not found it difficult to grow from two and one-half to three tons to the acre with a fair amount of care in getting a good catch.

In the spring of 1911 I sowed one and one-half acres to alfalfa with a catch crcp of oats. The oats grew a heavy crop, which gave the alfalfa a poor chance, but the oats were cut August 12th, and no stock was allowed on the field after, which gave the alfalfa a good growth before winter set During the following winter we had very little snow, and this gave the alfalfa another set-back, but the first of the next summer was very hot, and the alfalfa made a remarkable growth, it being ready to cut on July 8th. We got a crop of a little over two tens to the acre. Then came our next set-back, as we scarcely had a warm day for the remainder of the summer. We cut the second crop on August 20th, the yield being about 1,500 lbs. to the acre.

Our initial experience should be an encourage ment to other dairy farmers to raise alfalfa for



### Why Protect Farm Machinery?

A manufacturer of farm machinery says that if the farmer took as good care of his implements as the manufacturer did of his factory machinery his sales would drop off nearly one-half. A farm machine often suffers more depreciation when neglected during the winter than it would in two seasons of hard usage.

Nearly all farm machinery will stand a great many years of use if properly housed and cared The ordinary farmer gets only about onethird the service from his farm machinery that he should. The average life of a binder is from five to six years, but when properly housed and the necessary repairs made promptly, instances are on record where they have given 20 years of service

A good coat of paint adds very materially the appearance of a machine and pays for itself many times over in keeping the wood parts from rotting and the iron from rusting. In applying paint, remember that one coat of thin paint applied every year is much better than one coat of thick paint applied every two years.

The thing which should receive first consideration in the care of farm machines is a good dry shed to protect them from the weather. The life of a machine is increased many times by proper housing and care when not in use. It is not necessary to have an expensive building. All that is required is one that will keep out the mcisture and direct rays of the sun. Above all things it should be dry. Dryness prevents rust and decay.

#### BEST TIME TO PROTECT

The time to make a machine ready for next season is not when you have the leisure to do it.

It should be attended to at the moment you haul it in from the field after you have finished with it. It is not a wise plan to put it off. If you wait for a more convenient time you are quite apt to neglect it altogether. Other work will come on and the farmer will consider himself too Lusy to stop. The consequence is, that he has lost a good chance to save himself a lot of labor the very next time he needs it.

When a machine is needed is very often when time is most valuable. If it has been neglected the previous season and left to stand out-of-doors considerable time must be spent making repairs and putting it in

such a condition so that we can use it. Often broken parts are found, which make it necessary to secure repairs before the

Just as necessary as the proper housing of a machine is the prompt repairing of all broken and missing parts. Every bolt in a farm machine is put there for a definite purpose and if broken or lest an undue strain is put on another part, often resulting in a serious breakage and loss in both time and money, for break downs always occur in the midst of a busy season.

All expense incurred in housing, painting and repairing farm tools will come back ten-fold in actual dollars and cents to the owner, besides the satisfaction of always knowing that the tools are ready and in good condition when wanted.

Is there money in seed improvement work? Mr. Geo. Boyce, of Menievale, cne of our C. S. G. A. members, sold 800 bushels of seed oats for \$800. What would he have gotten for ordinary oats?-T. G. Raynor, Ottawa, Ont.

op have m ofit fr ike a. r for a great number

their cows. The best place to grow alfalfa is on a field sloping to the south with good drainage and sheltered from the cold winds in spring,-by a wood if possible. The seed should be treated with nitro-culture before sowing. It requires at least 20 lbs. of seed to the acre. Although I have seen alfalfa growing a good crop in the most exposed field on my farm, I would avoid trying to grow it on wet or low land.

Hand selected seed always gives a good account of itself even in the most adverse season. Heredity counts; even in seeds.

There are prospects for a great trade in proved seed for years to come, and if all growers will deliver the right kind of goods, the demand will increase as the quality increases. Men who have clean farms should have their eyes open to their opportunities in this direction. The first there will reap the best profit.



## The Most Profitable Crop Possible on Many Canadian Farms de good on the high-priced land of the 0.4 County. They are even better adapted i from rough land that cannot readily be tilted. There is room in every province they of subery and after being long in digatory we believe that our farmers are now beginning to appreciate the value of the "Golden Hoof."

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work? M C. S. G. A. ts for \$800. ary oats?\_

#### January 16, 1913.

#### More About Deferred Breeding Jno. McKee, Oxford Co., Ont.

I was very much pleased on receiving Farm and Dairy of January 2nd to note the timely article from the pen of Prof. Barton on the subject "At What Age Shall we Breed cur Dairy Heifers?" I am thoroughly in accord with the views expressed in the article. I consider the matter of such importance that last February, at the annual meeting of the Canadian Ayrshire Breeders' Association, in my pre idential address I referred to the subject as follows:

is so keen and Ayrshires are selling for prices

'I Lelieve also when the demand for dairy cattle

FARM AND DAIRY

am not at all alarmed at seeing them grow big and strong and, maybe, become a little thick in the head, neck and shoulders. The refinement will come in due time when they get to milking, and we will have big, strong cows with cons itution and capacity.

#### Alfalfa Pointers from a Noted Dairyman\*

Hy. Glendinning, Ontario Co., Ost No farmer, no matter how skilled a feeder he may be, can make a profit from his best cow by feeding her silage, oat straw and timothy hay, This is because they do not contain the proper nutritive constituents. The clovers, especially



A Scene That Would Make Any Scotchman's Heart Glad

The Socialman is a commonspirar; he is for the second seco

never before realized in the history of Ayrchire breeding, that a word of caution should be extended to the new breeders who are now purchasing their first Ayrshires and laying the foundations for future herds. I refer particularly to the practice of having heifers drop their first calves at too early an age. I consider that an Ayrshire heifer should never freshen under two and onehalf years of age, and some of the best cows I ever raised did not calve until they were three years old. The tendency among new breeders, in their cagerness to build up a herd as quickly as possible, is to breed heifers too young. This is a great mistake, and has resulted in the past in a deterioration in the size of our Ayrshires as compared with the original imported stock."

#### OUR OWN PRACTICE AND RESULTS

The practice of having Ayrshire heifers at Brookside drep their first calves at from 30 to 36 months of age has produced such cows as the exchampion cow, Annie Laurie 2nd, record 15,134.4 lbs, of milk and 598.45 lbs. of fat in a year, and also the sweetest and bonniest of them all, Jean Armour, with a record of over 20,000 lbs. of milk and 774 lbs. of fat. As well we have her halfsister, Victoria, with a record of 11.283 lbs, milk and 451 lbs. of fat. Star's Sarah has a record as a three-year-old of 10,651 lbs. of milk and 407 lbs. of fat. The two last records were made under perfectly normal conditions, with the cows only milked twice a day and receiving no grain after being turned out to pasture in the spring. The splendid heifer, Violet of Hillview 2nd, winner of first prize as a two-year-old at Guelph and Ottawa Winter Fairs last winter, and first at Guelph last month as a three-year-old, is another product of this system of breeding.

The world's champion two-year-old heifer of the Ayrshire breed, Briery 2nd of Springbank, is also another example of the great advantage to be derived from giving the heifers time to develop before dropping their first calves. As long as they have the proper line of breeding behind them I alfalfa, will round out the silage ration.

We used to hear farmers say it was impossible for them to grow alfalfa as it would not grow, but that complaint is little heard today because it has been proved that alfalfa can be grown almost anywhere. Those farmers who have grown alfalfa successfully are now adding field to field because they have found out its merits for themselves.

Don't think that because the growing of alfalfa enriches the scil where it is grown it is advisable to grow it on naturally poor soil. That process of improvement is too slow. Alfalfa does best and gives the best results when grown on naturally geod soil.

Buy Canadian srown seed. It is the best that can be obtained

I have seen good alfalfa in the fall of the year, sometimes two and three feet high, but have never seen it with too much top on it. It holds the snow and comes through the winter better than is the case where it is cut or pastured too close in the fall. If you can grow alfalfa at all it is the best crop of the kind that can be grown by the dairy farmer.

I use arsenical sheep dips in the spring and coal tar dips in the fall .-- Col. McEwan.

In selecting a breed of sheep, take the one that originated in a country with conditions similar to your own.

Dr. Vivian of the Ohio Agricultural College, sums up the lime question in verse, as follows:

"Lime and lime without manure Makes both farm and farmer poor.

But

Lime, manure and vigorous clover Make the old farm rich all over.

Summary of an address at the E. O. D. A. Convention Kingston last week. at

#### "Yarding" the Ice Supply

#### J. H. ah McKenney, Elgin Co., Ont.

When certain conditions made it necessary that we should put in a supply of ice last winter, we were met with a genuine problem. No suitable building was available. We had to have the ice, house or no house. This emergency resulted in a structure defying all the generally accepted requirements of an ice-house. The experiment seemed risky, but proved a huge success. All through the hot weather we had abundance of ice.

In selecting a site convenience was only considered. This happened to be under the spreading branches of a large apple tree. We calculated that the continuous shade thus secured might help to counterbalance some of the departures we found it necessary to make from the regular rules of ice-house construction. To support the framework eight posts were stood upon end so as to form an enclosure 12 feet square. These were of good cedar, which happened to be on hand and would have lasted a long time had the ends been sunk in the ground. But as the ground was frozen a couple of fect down they were set on the surface and held in an erect position by means of the boards forming the walls.

#### SCRAP LUMBER UTILIZED

The lumber used consisted of one-inch boards of all lengths, selected from a rubbish heap, nailed on the inside of the posts, of which there are three on a side. They effectively resist any pressure from the interior. An opening for entrance was left and a door constructed of short pieces, kept in place on the inside by the ice and on the outside by the posts. As the ice is used these are taken down one after the other.

Another point we ignered was drainage. Concerning this, I was not a little uneasy. If there had been time, the floor space would have been covered a foot or more in depth, with loose stones or bricks te improve the drainage facilities and form an air space between the ice and the ground. We were, however, fairly prodigal with sawdust, the floor being covered about two feet deep.

#### SAWDUST EFFECTED INSULATION

This 12-foot box completed to a height of eight feet, and floored with sawdust, we began filling in the ice at once. When done packing there was a solid block of ice 10 by 10 by 6 feet, or approximately 15 tons. This left a 12-inch space between the walls and the ice, which was filled with sawdust and well ramed down, after which a covering two feet thick was spread over the top. In every case, old sawdust, that had become thoroughly dried out, was used. If in a more or less green condition it is Lound to heat and melt the ice. As soon as this covering began to settle more sawdust was put on. The settling causes the covering to became quite hard, and proves very effectual in keeping out a July temperature.

Our finished ice-house represents about two hours' work, with no cash outlay whatever. It is just a box to keep the sawdust in place. No roof was put on, and none seems to be needed, as the ice could not have kept in better condition. I believe that many do not provide sufficient ventilation. Many tight buildings have to my knowledge proved a failure in this respect. My method is nothing more or less than "yarding" the ice. As it has given the best results, I shall try it again.

There are different ideas as to whether or not it pays to buy second hand machinery. It all depends on the machinery. A tool that has not been much damaged is but little the worse for having the new paint worn off and the reduced price pays well for that. Old farm tools are seldom worth hauling home.





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Full particulars will be mailed on receipt of above coupon.

The competition will take place during the last two weeks of April, and the samples of syrup and sugar received will be placed on exhibit in the show windows of the "Montreal Star." Every purchaser and user of the Grimm "Champion" Evaporator may take part in this contest. Now is the time to properly equip yourself to make high grade syrup and sugar—high priced and there-fore profitable. Do it now before the sap runs. State the number of trees you will tap and we will give you a price on a suitably sized outfit.





Livingston's Oil Cake is the cheapest feed for cows-cheaper than corn, horts or even hay. Because it actually increases the richness of cream-and also increases the amount of butter that you get out of the milk. ahorts or Test your cows before and after feeding Livingston's Oil Cake for a anonth-and your "butter money" will show its economy

Livingstes & Oll Cakes contain from 8 to 116 of pure Linsed Oll-arc acft acough to break into small nuis-and are completely and savil digented. Wirks to For ample and prices if your desire annow usophy you. Dominion Linseed Oil Co., Limited Baden, Toronto, Montreal. Livingston's Dairy Oil Cake

# FARM MANAGEMENT With fences and lane where needed, with fences and lane where needed many hours in the fields. The teams

### When to Spread Manure

Editor, Farm and Dairy,-I note your issue of December 26th that Mr. Mallory advocates spreading the manure on the field directly after manure on the field directly after harvest. Most of us have very little manure on hand at that time as the manure on name at that there as no cattle have been out on pasture all summer. If Mr. Mallery is in the habit of carrying his manure over from the winter before until after harvest, I for one would not care to

harvest, i for one would not call a adopt his plan. I believe that manure loses fully one-half of its value if held through three or four summer months. Can we afford to lose half the value of our we afford to lose half the value of the same term in the annu it when the we afford to note half use thinks to be manure just to apply it when the ground is good and hard to hold the spreader? I believe further that the spreader? I believe further that the manure when applied at that season would heat so rapidly that much cf its value would be lost.—E. Watson, York Co., Ont.

#### Pointers on Seeds

Fred Foyston, Simcoe Co., Ont. Fred Foyston, Simcos Co., Ont. My experience in purchasing seed grain is that one-third of it is unfit for seed purposes. Seventy-five per cent. will be a seen to the seventy-five per cent. will be a seventy-five per cent. will be a seventy-five per cent. will be a seventy-five per description of the seventy-five grain each year in Omtario. In choosing varieties of grain to improve upon we should consider six points, — hardiness, productiveness, early maturity, quality of straw, freedom from rust, and in oats, thin-ness of hull.

ess of hull

The varieties that I prefer are Dawson's Golden Chaff wheat, O.A.C. No. 21 barley, and O.A.C. No. 72 oats. This oat is a heavy yielder and thin in This out is a neary yielder and end in the hull, freer from rust than most varieties and stands up well. My ex-perience is that it will outyield com-mon varieties 10 to 15 bushels an acre. Pease as a farm crop is on the de-

decline. I would advocate a liberal seeding; say two bushels to the acre.

seeding; say two pushers to the acre. In selecting grain we choose a calm day when each head can be plainly seen and we select those heads that stand stilly erect on the stock with a solid even head that to the practiced eye denotes vigor.

#### **Planning That Saves Money**

Time is money to the farmer, as Time saved well as to anyone else. well as to anyone ease. Time saved in doing chores, in going to and from the fields or in working the land, can often be used for the purpose of im-proving the farm buildings, or in caring for crops or stock that will pay a good profit on the laber.

good profit on the laber. That time can be saved in doing the chores, no one will dispute who is familiar with farming. A trip of 10 rods three times a day, across the farmstead, will ancunit in a year to 34 miles of travel, and will require 1½ days. On many farms the sarrange-ment of the buildings may call for a number of such trips in different di-rections, and the distance travelled unceessarily will easily reach several rections, and the distance travelled unnecessarily will easily reach averal hundred miles in a year. No one would think of making such an ar-rangement of buildings if it called for the waste of time in one stretch, but because the waste is spread out over the daily tasks or chores, no at-tention is given the matter. The over the daily tasks or chertes, no the tention is given the matter. The needless trips take energy and cause loss of time, nevertheless. Count your steps for a day or a week, and see how many miles of travel you can save in a year.

CONVENIENT FIELD ARRANGEMENTS Much time is lost also in going to and from the fields. A few hours

#### January 16, 1913.

should Legin to work as soon as they leave the barns. They can do so if the farm is planned so that the fields radiate from the furmstead. Try working out a plan for your farm, and see how convenient it can be and see how convenient it can be made. One farmer in Minnesota add-ed over 50 per cent. to his income, in three years, by revising his farm plan, and organizing his method of organizing his method of handling the farm. Long fields can be worked

Long fields can be worked more eccnonically than equator ones. Three-cornered fields are especially expen-sive to handle. It is calculated that a diagonal ditch or road across a di-acre tract will increase the cost of operating the land from 18 to 25 per

### When Buying Ensilage

when buying Lastage I have a chance to buy 15 feet of en-silage in a 13-foot silo. It will be teamed aix miles. How much should I pay for it's Should I bag it or haul in a wagon hox There are about six feet of old enalage from last year. Will this be useless?-E. C. Q. Wentworth Co., Ont. The dry matter of corn ensinge is shought as valuable for facoling as a

almost as valuable for feeding as 18 clover hay, being scmewhat poorer in clover hay, being semewhat poorer in protein Lut richer in both earbohy-drates and fat. If, therefore, clover hay is valuable at \$12 a ton, one ton of corn ensilage would be worth about \$2.40. Fitteen feet of ensilage in a 13-fcot sile would be approximately 30 tons wiring the acting contrasts of 30 tons, giving the entire contents a value of \$72. The cost of hauling The cost of hauling. has here to be taken into however, consideration. Ensilage contains alconsideration. Enailage contains al-most 80 per cent water, and just as much feeding value can be hauted in one load of timethy hay as in five loads of enrilage. Unless the hauling can be done very cheaply, and the horees need the exercise, we doubt if it would be advisable to purchase this field. feed. Hauling in a wagon box with the sides greatly extended would be preferable to bagging as it would Le cheaper.

Last year's ensilage at the bottom of the silo is quite as good as that put in this year, provided the silo is air-tight and any decayed matter at the surface of the silage was removed be-form this marks are not before this year's crop was blown on top of it.

When we seed alfalfa, we think of the job as being finished for several years. Why then worry about the price of seed or the amount to be sownP



#### Ja Ch 6

Lac threu it has ing c with been until hords the v herds W. R F. H. Grego Amon; of Dr. Newm Spring The di ome who h as wel breeds

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#### January 16, 1913.

#### **Chatty Letter From Alberta**

G. E. White, Lacombe, Alta. Lacombe and the surrounding dis-trict has been well known in the past through the fine horses and cattle that through the fine horses and cattle that is has produced. For any the dairy-ing conducted here has been mostly with grades. The dairy breeds have been gradually working their way in until at present there are soveral herds of Holsteins and Ayrshires in the vicinity. Amongst the Ayrshires W. R. Winslow, morth of Lecember F. H. Ducktt, northwest, and Col. Gregory, southeast of the town. Amongst the Holstein herds are three of Dr. Peat, east of the town; the Cold or Dr. Fost, east of the town; T. H. Newman's, and my own, the Cold Springs Farm herd, west of the town. The experimental farm, here, has some Jerseys, and there are othera who have individuals of these breeds as well as grades of the different dairy breeds. breeds

breeds. During the last year there has been an unusual demand for pure bred dairy animals in Alberta and breeders have had difficulty in keeping femanes enough for their own breeding herds. Excellent prices have been received at the different sales, and a number of purelreds have been brought from the east. Even good grade cows bring from 870 to 880 at sales, and it seems as if anything that has four tests is snapped up at good prices. EXEMPST MARKETS

snapped up at good prices. EXCELIENT MARKETS The wherefore of this great domand is found in the high prices boing offer-ed for dairy produce. There is a good market at Lacombe for all dairy pro-duce and a creamery that runs the year round and gives good satisfac-tion. As for other markets in the tion. As for other markets in the province, parties from both Calgary and Edmonton have been scouring the country this fall trying to locate new supplies of milk and cream. Milk is bringing \$2.40 a cwt. delivered, while



The Heller-Aller Tank Heater sets right into your water trough. Burns any kind of fuel,-coal, corn cobs. rub-bish, wood, etc.



weet cream brings 45 cents a pound

FARM AND DAIRY

Invest cream brings 45 cents a pound butterfat at our own sation. "The Laurentia Milk Co. of Red Deer have been paying a high as \$2.00 for milk for their special trade. The climate here is very favorable for handling milk during the summer, as the nights are always cool. The winters are not so severe but that cat-ting the hegy comfortable without two large hegy comfortable without two large hegy comfortable without principle roughage used is priro hay and green oat sheaves, although some cultivated grasses are being grewn and more will be grown in the near future. Roots grow to perfection and are a great aid in keeping cat-tie in shape through the long winters. DABENG CAY THE INCERSE

#### DAIRYING ON THE INCREASE

Improving markets and more attractive prices are causing more peo-ple to go into winter dairying. We find that here as well as in the east Ind that here as well as in the east the best time to have cows freshen is in the fall. They will give more milk during the year, if properly fed and cared for during the winter, and it gives you a better chance to give the calves a good shart empirication of the second error way and the second second second second second error way and the second second second second second error way and second second second second second second error way and second second second second second second error way and second sec

a given you a better chance to give the calves a good start. From our own experience we have found that it decent's pay to try to dairy with scrubs, for it is too uncer-tain. It takes just as much room and almost as much feed and care to keep an unprofilant greater certainty of entry of the start of the start and the start of the week of the start of the yearly test is the best way to deter-mine the value of a cow, and this test can be made quite elaborate or very simple and good results obtained by simple and good results obtained by either method.

COOPERATE WITH THE GOVERNMENT

COOPENTS MUTR THE GOVENNMENT I would would like to see the gov-ernment takes up the testing of grade cattle and if any one in Alberta is interested in doing seme testing we would advise them to communicate with Mr. C. Marker, of Calgary, Provincial Dairy Commissioner. Our great difficulty is the help problem. Most men would rather work on a grain farm, and it is very difficult to get good milkers. The milk-ing machine will be a solution of the question for these who can milk anough cows to pay to get a machine. One of our town dairymen i.ss install-ed a Sharples machine and he tells me he is well satisfied with it. Alter all, here in Alberta as clas-

After all, here in Alberta as else-where, the result in dairying, whether it be success or failure, lies with the individual and depends largely upon the interest he takes in his work, and with what thoroughness he carries it out.

#### The Feed of My Flock

Jno. Simpson, Halton Co., Ont. I feed 15 ewes one and one-half gal-lons of oats, one-half bushel of man-golds and a little clover hay in the morning, hay at moon, and mangolds and hay at night. I keep water in the pens in the day time. I let the ewes out for exercise when it is not stormy. Ewes should not have all the hay they will eat just before lambing. After the wess lamb I give double After the eves lamb I give double the amount of oats and all the hay they will eat, but I don't give them many more mangolds than they got before they lambed. I keep plenty of water in the pens.

I believe the first essential to a comfortable stable is perfect cleanli-ness. A thorough grooming in addi-tion will be conducive to the health and thrift of the dairy cow.

## HIGHEST PRICE FOR CREAM

T. EATON COLIMITED is now paying 31c per lb. for Butter Fat. We buy cream, sweet or sour, of good flavor. We furnish the cans and pay the express charges within a radius of 250 miles of Toronto.

We test and weigh each can on arrival, and send you a statement for same.

We pay all patrons once a week, and the price is increased as the price of butter advances.

Drop us a card, and we shall be pleased to furnish you with any further information you may require.



## Percherons

55

My barns at Weston, Ont., and Brandon, Manitoba, are now full of Percheron Mares

Manitoba, are now full of Percheron Marrie and Stallions. Ages from cne year old to five years old. Blacks and greys. Weights from foot to zoo pounds. Of the very best style and quality and breading. France produces. They are of the big tlick kind. See them before you buy. I do my own buying in France, shift wroth wwith. Will save yam and profits. So feel sure it will ave yam and profits. So prices before you buy. No reasonable offer will be refused. Terms to suit. Many of the mares are safe in foal. 1-3

#### For further particulars write

#### J. B. HOGATE West Toronto, Ont.

Watch a horse when he is eating his oats-note how he slobbers-bolts a lot-and spills a lot-also a large proportion is undigested.

Take a couple of handfuls of MOLAS-SINE MEAL and mix with the oats at the next feeding time-reducing the oats by the amount of MOLASSINE MEAL added -then watch him eat-note how he masticates each mouthful and with what evident enjoyment.

Every particle of nutriment is obtained from all its feed-that's why it will cast you less for feed and you get better work out of your horses, if you feed them regularly with Genuine MOLASSINE MEAL (Made in England). Prevents colic and eradicates worms.

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Get the genuine made in England. Ask your dealer, or write us direct for full information.

THE MOLASSINE CO., LTD., LONDON, ENGLAND Distributors for Canada-L. C. PRIME CO., LIMITED B. Adm, N.B. 482 Board of Trade Hidg., Mentred. Puttle Hidg., Terrente





It is good orchard practice to be gin cultivation as early in spring as possible and about the first of July possible and about the first of july to seed down with a cover crop, and this method of management is cap-able. I believe, of almost universal

s on preparing fowls for market; Starve the birds 24 hours before

fore marketing. Stretching the neck is not a good commercial method of killing. For market purposes, the proper way is to insert a narrow blade into the mouth, sever the lugu-lar vein at the base of the skull, and puncture the brain in withdrawing the blade.

its keeping qualities are thereby im-

is faid, said Froi, W. R. Granam, in an address at the Guelph Winter Fair recently. Other points made by Prof. Graham in the same address

is that the medicated nest eggs used

the consumer actually pays less for

Denmark exports have doubled and trebled.

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#### Many Ver Cor

CELDO 500 ntion portant maa reaching at on Kingston took a d and long greet ch of actor treal My itreal ficial insp ures at 1 ing of ch of these ct of m bitter ducers an effect of ions, that may lead avstem o and inspe or busin dresses a ut in ty olitician r rather detracted value of well to say, but that the

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#### January 16, 1913.

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### EASTERN ONTARIO DAIRYMEN MAKE IMPORTANT DECISIONS

#### Many Vexed Questions Were Discussed and Resolutions Adopted at Their Annual Convention. Recommendations of the Royal Commission. Educational Addresses Were of a High Order.

**Section Addresses were of a ligh Order. Section in the history of the** Section has the annual com-bortant questions, and seldom hard to reaching importance been approved a dan econvention, as were approved to a the Convention as lingston last week. The dairyment box a definite stand ons such view rock cheese problem, the importance been approved to a the convention as were approved to a the convention as were approved the the terase of the bereaved families. Senter Derbyshire expressing the heartfelt sympathy of the mem-box a definite stand ons such view rock cheese problem, the importance been approved the terase the appointment of an off the terose cales, underweights and mean-tiers at Montreal, and on the bond res at Montreal, and on the bond res of cheese merchants. Each ono leases Norther and the terms of terms of the terms of terms of the terms of the terms of terms pres at Montreal, and on the bond-ing of cheese merchants. Each one of these questions has been a sub-ject of much discussion and oftimes af bitter recriminations between pro-ducers and buyers. The carrying into affect of at least one of these decis-ions, that of inspection at Montreal, may head to an entire change in the bind impections in Ontstyll Southon and impections in Ontstyll Southon and expective and the set of the set of tresses also were of a high order; but in two of the setsions at Least politicians were given too much time. but in two of the sessions at least politicians were given too much time, or rather took too much time, and detracted much from the educational value of the convention. Is may be well to give local politicians their say, but it should be remembered that the E.O.D.A. Convention is an educational institution, and may meeting for the furtherance of po-litical degma.

Itical degma. The first act of the Association was to pay tribute to the memory of those members who were no longer with them. Death in the last few years has carried away many who have long been closely identified with dairy work in Eastern Outario. In this last year the Association has lost three of its oldest and most val-ued members, Mr. J. H. Singleton,

OR \$ALE -- Regal Strain White Wyan-dottes. 4 Cocks, 2 years old, \$3.00 each 6 Cockreves, \$2.00 each. These birds are a smap if taken at once. All stock farm raised.- A. Evenson, 309 Towns-end St., Peterboro.

#### CREAM WANTED.

We furnish free cans and pay express charges Our obeques are issued every fifteen days and are cashed at par anywhere. If you live in Ontario and milk cove why not ship your cream to the best market? Write for fuller particular. ORONTO CREAMERY CO., LIMITED, TORONTO, ONT

The Famous Spray Pump Contest

"This is to certify that at the Contest Ryarying Appartus held at Grinaty, but, under the auspices of the Board of catterio of the Svinil Experimental Sta-control of the Svinil Experimental Sta-bent of Arriculture, in which there were to contestant, the Syramotor, made by the Signamotor Co., was awarded first above.

Il controllator, the arguments and the second secon

FARM AND DATRY

bers for the bereaved families. ...... OVPICEME ELEVATED HON. Presidents-Senator D. Derby-shire, Brockville; Mr. J. R. Dar-gavel, M. L. A., Elgin, Ont.; Presi-dent, G. A. Gillespie, Beterbory; 1st Vice-President, J. A. Sanderson, Oxford Centre; 2nd Vice-President, Notoria Stone, Norham; 3nd Vice-President, Stone, Norham; And Vice-President, Teasurer, Jas. R. Anderson, Mountain, View.

monte; Treasurer, Jack, Anderson, Mountain View. Directors: Henry Glendinning, Manilla; T. J. Wright, Picton; Wil-let Farley, Cannifton; Thos. Thomp-sco. Madoc; Joseph McGrath, Mount Chesney; J. V. Walsh, Albert; Wes-ley Willows, Carleton Place; J. Campbell, Ormond; Geo. McLean, Finch; Capt. John Gillius; Glen Nor-man, Nell Fraser, Vankleek Hill; J. B. Ferguson, Renfrew; Fred Dil-verth, North Gower; W. H. Olm-stead, Vars; Jas. A. Sanderson, Ox-ford Station. Auditors, J. W. Hyatt, West Lake;

Auditors, J. W. Hyatt, West Lake; M. Bird, Stirling, Ont. Executive Committee — Messrs.

Executive Committee — Messrs. Glendinning, Jas. Sanderson, N. Stone, G. Leggett, Jos. McGrath, N. Fraser, T. H. Thompson. Representative to Canadian Nat-ional Exhibition — Henry Glendin-ning, Manilla, Ont. THE BOYAL COMMISSION

The members of the Royal Com-mission recently appointed to invesmission recently appointed to inves-tigate grivences complained of by cheese makers and producers, were all present at the Convention at Kingston, and gave a summary of their investigations to date. Brief-ly, the demands of the cheese men were as follows: (a) The appoint-ment of a Government referee at Montreal; (b) a change in the rule re overweights; and (c) the bonding of exporters. The commissioners

te overseights and (c) the bonding of exporters. The the bonding expressed themselves as farissiblers expressed themselves as farissiblers expressed and (b), but strongly op-posed clause (c). The subject was further discussed at a weeting of the directors. Each director was asked for an expression of opinion. A large proportion of the directors stat-ed that they saw no need for such an appointment. Official referees in the past were used so little the Gow the past were used so little the Gov-ernment discontinued the office. Mr. Publow stated there were times when he would prefer to have the report of an official referee on the quality of the cheese than that of the buyers. the cheese than that of the buyers, He had sometimes thought that the Ontario Government might save con-siderable exponse were he to move to Montreal during the shipping sea-son, and by watching the quality of the factories that are in trouble, and then arrange to despatch an instruc-tor to the factories in trouble. This term, under which the instructors rout the factories whether they are in trouble or not. This system would make it possible to do with less in-structors, and ensure the factories obtaining the assistance of the in-







## **Progressive Jones says:** "Get Bumper Crops from Worn-Out Soil"

Scores, yes hundreds, of my farmer friends have got bumper crops from soils they thought were worn out. They now swear by



One of them, A. Robinson of Rosemount, tells me that he used Harab Fertilizers on potatoes and turnips without any manure on the land which was very old and poor. He got a bumper crop and is got a bumper constant of the second second second second second from very light land that had been hard run by tenants.

From Very ugnt iand that had been hard run by tenants. Friend, if you have some poor land, some worn-out soil, don't be discouraged. Harab Fertilizers will make that soil yield humper crops, and make you happy, or my name int 'Progressive Jones. Harab Fertilizers are natural Fertilizers, manufactured from blood, bone, trimmings, etc., of animals alsunghtered at the immense Harris Abattoirs. To these are added Potash and just enough quick-acting Nitrates and Superphosphates to start the plant off with a vigorous growth.

a vigorous growth.

The cost of using Harab Fertilizers is small. The results are big. Write to The Harris Abattoir Co. for their booklet. It gives the information you want to know.

Yours for bumper crops Progressive Jones

The Harris Abattoir Co., Limited, Toronto



(9)

57



January 16, 1913.

Mr. McDonald of the Commission Mr. McJonald of the Commission, told the directors that he was satis-fied the Commission will advise the Government to enact legislation re-quiring factories to keep their cheese in the factories for possibly 10 days before shimping

in the factories for possibly 10 days before shipping. The original motion favoring the appointment of an official refere, was finally withdrawn in favor are resolution moved by Mr. J. A. Camp-bell, of Ormond, favoring the ap-pointment of an official at Montreal by the Dominion Government whose dute it wand he to coven the source of t duty it would be to cooperate with the Ontario Department of Agricul-ture in the work of dairy instruc-

Resolutions Approved at the E. O. D. A. Convention One can gain an appreciation of the importance of the business Convention at the annual meeting of the Eastern Ontario Dairymen's Convention at Kingston last week, by reading the resolutions ap-proved by the Convention. They are as follows:

That in the opinion of this Association all scales of cheese factories should be tested at least annually, and that the entire cost of the same be borne by the Government.

That this Association is of the opinion that in the interest of the cheese industry of the Dominion of Canada, legislation should be passed preventing the shipment of cheese from pirce of production

That in the opinion of this Association the appointment of a com patent official at Montreal by the Dominion Covernment of a com-petent official at Montreal by the Dominion Covernment to cooperate with the Ontario and Quebec Departments of Agriculture in advancing the dairy interests, is advisable.

That in the opinion of this Association, the present mode of pay-That in the opinion of this association, the present mode of pay-iment for checkes is satisfactory, as the bonding of buyers might work to the injury of the producers, as the cost for providing such bond or bonds ultimately would have to be borne by the producers, and it is open to each and every cheese board to amply protect themselves as is now done by many boards.

eree at Montreal or not," said Mr. | G. A. Putnam, Director of Dairy

Instructions, said that the wisdom of continuing the expenditure of large sums of money to help instructors visiting factories that do not need instruction, was being giv-en considerable thought. Some change in the present system of in-struction seems inevitable. He fav-oured having one or two men in Montreal to inspect the cheese on

Mr. McGrath of Mount Chesney, pointed out that what was wanted at Montreal was an instructor, not a

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pointee of the Dominion Government, he would be expected to devote con-siderable time to the inspection of Quebec cheese also, which should tend to bring about greater uniform-ity in the make of the cheese of the two provinces. Mr. Campbell's mo-tion was carried. two provinces. Mr. Campbell's mo-tion was carried. Alleged irregularities on the part of Mr. McLeod, the cheese weigher at Montreal, were not borne out by the commissioners' findings. Mr. Mc-Leod's weights in all cases were found to be correct. Investigations as to the correctives of factory scales showed where the trouble lay. In all cases where underweights had been complained of it was found that the factory scales were either of a

pointee of the Dominion Government.

been complained of it was found than the factory scales were either of a cheap make, improperly cared for, or otherwise out of order. At present the factories are not credited with overweights. Under present rulings the weight of a cheese can be mark-ed in even numbers can be mark. the weight of a cheese can be mark-ed in even numbers only, and it is further required that a cheese must be one-half a pound over the even figure to allow for shrinkage. If a cheese weights 80½ lbs. the factory man must mark his cheese as weigh-ing 70 lbs. The commission will re-commend that from now on cheese producers be credited with the three-quarters of a pound that is rightly theirs. theirs.

MORE ALLOWANCE FOR SHRINKAGE MORE ALLOWANCE FOR BRINKAUE Another feature of the weight question discussed was Is 34 bb. a sufficient allowance for shrinkage? R. A. Pringle, K. C., of the Royal Commission, pointed out that New Zealand allowed 2% per cent. for brinkage and as a consequence Zealand allowed 2% per cent. for shrinkage, and as a consequence. New Zealand shipments were giv-ing better satisfaction to British dealers than were the Canadian. In most cases, it was agreed, one-half a pound for shrinkage should be quite satisfactory, providing the cheese were properly cured. Dr. Edwards, M. P., for Frontenac, pointed out that on cheese coming from King-(Concluded on page 15.) Janu

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sold of Kre Mr of land. first year a half a year, fro he made \$2,700. half acre sell seme sold over still has 4 Mr. Kro list of a Robertson throu place a par, of h a little b agents w

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IRINKAGE he weight s ½ lb. a shrinkage? the Royal that New cent. for vere giv-o British adian one-half a d be quite e cheese Edwards, pinted out com King-15.)

#### January 16, 1913.

EXPORTING FEED, IMPORTING MUTTON

(Continued from page 2) yield meant an enormous accumula-tion of these screenings and urged that they be used more extensively in (Continued from page 3) be sold over \$5,000 worth of produce. Mr. Kreuse, who gave up his job as a farm laborer to purchase one acre of land, made \$425 off his land the first year and then purchased one and a half acres right at hand. Next year, from his two and a half acres, he made \$1,000, and the third year \$4,700. He then hought seven and a himself has more but now considers well some of it. This last year he has add some \$3,000 worth of produce and still has 400 bags of potates on hand will has 400 bags of potates on hand

LESSONS LEARNED AT THE EXPERIMENTAL UNION MEET

Canada Fertilizers have been experimented with more extensively during the past year than heretofore, and the results as described by Prof. Zavitz simply add additional proof to the old belief and additional proof to the old behef that every farmer must test out fer-tilizers under his own conditions be-fore he can tell whether or not they will be profitable with him.

fore he can ten ten whether or not mey will be profiable with him. Mr. G. H. Clark accred severely those farmers producing clover seed on land so dirty with weeds that it could not possibly pass government inspection. "Less than five per cent. of our home grown clover seed," said he, "is sufficiently clean this year to grade number one." Although is is against-the law to sell such seed much of it is still being exchanged between neighbors, which practice Mr. Clark condemned. At this point a gentle-man in the audience gave Mr. Clark condemned. At this point a gentle-man in the audience gave Mr. Clark to understand that the gevernment the was sending impure seed to set-let a was sending impure aced supplied with nozions were backy contaminated with nozions were backy contaminated withrough the Department of Agricul-ture. still has 400 bags of potatoes on hand. Mr. Krouse placed bees first in his list of money-makers. Mr. G. A. Robertson, St. Catharines, stated that he, through his net earnings, stated that he, through his net earnings, eculd place a value of \$5,000 an acre on par, of his farm, which he considered par\_of his farm, which he considered a little better than acre sub-division agents would be willing to pay him for it. Mr. Geo. W. Putnam told of the great results that they were gitting from alfalfa in souther On-hario. He censidered that lots of land would double and treble in value if planted to alfalfa.

Mixorative use, interesting which mixorative rease, alled attention to the great loss to Canada through the ex-metations of cleavator screenings which is this county. "We short these is evaluation of the provinces and the state of the provinces through the Department of Agricul-ture. GUAR AGAINST THIS DIBLASE Prof. J. E. Howith, gave two ad-level to the county. "We short these is evaluation of the provinces and screenings which is ent time. GUAR AGAINST THIS DIBLASE Prof. J. E. Howith, gave two ad-level to the county. "We short the ind the county." We short the ind the county. "We short the ind the anticipation of the provinces is evaluation of the provinces there is evaluation of the provinces profile of the provinces the state of the provinces t

Department at Ottawa for examina-tion. In connection with experiments for the eradication of weeds, he told of one experimenter who had been successful in externinating Bladder Cultivity of the adoption of therough cultivity of the statement of the eradication of mustard by donations. Ex-periments were any postatose. Ex-periments were any postatose for which a solution of rom surphate, no las. of sulphate to 40 gallons of water, when the plants are in full bloom. One experimenter reported that not a mustard plant remained alive and the work was accomplished at a cost of 756 to 806 cm ancre ex-clusive of laber. Prof. Howith recom-mended the use of granulated iron sulphate as the most suitable form for weed aparing. Department at Ottawa for examinaweed spraying.

FARM AND DAIRY

weed apraying: Other addresses were given by Prof. 5. F. Edwards, who told of their ex-fer Edwards, who told of their ex-fering, by T. the se of legume bac-tering, by T. Korter, who dealt with Cooperst Edwards, and Ontario and by Mr. Moriey Equip (and the second second second second good results that bee keepers were ob-taining through the adoption of ma methed of preventing swarming. Prof. S. B. McCready gase an histor-ical account of agricultural education in the public schools of the province from before confideration to the pre-sent time.

#### For Automobile Owners

FOT Automobile cymers Have yeu an automobile? Are you contemplating the purchase of one? If so, you would like to know all about your machine, he wit tworks, how it should be run and how to repair it in case of a breakdown. A book that will give all information about automobiles," 'Andel's Answers on Automobiles," just come to hand.

just come to hand. This book gives clear, concise and practical information on the care, running and repair of the automobile. All difficult points are explained by diagrama in a way that anyone can understand. The look is handsomely bound, has 612 pages and 280 draw-ings. Price through Farm and Dairy, 81 m

### A Study in Soil Improvement

The quality that the practical every-day farmer demands in an agriculday farmer demands in an agricul-tural text book is clearness, a book that is designed to point out the plain every-day facts in a manner that can be easily understood. Such a book is "Crops and Methods for Soil Improve-ment," by Alva Agre, of the Pennsyl-vania State College. This book is concerned with erops, method; of soil management and fertilizers. This view point throughout is that of the practical man who wants cash com-pensation for the intelligent care of things along his line. It is of much the same style as is Henry's "Feeds and Feeding." one of the most popu-lar of agricultural text books. This book, recently issued by the MacMillan Company of Canada, is platted on gool' paper in large read-ad. Thy book the we can recom-dend to a book that we can recom-end of us a book that we can recom-dend to shok that we can presen-ted. State work for mand Dairy read-er. Present through Farm and Dairy read-er. Dreads. tural text book is clearness, a book

Price through Farm and Dairy, \$1.95

## **Remarkable Skimming Records** Reported by Eastern Dairy School

Canadian Dairymen look upon The Eastern Dairy School at Canadian Dairymen look upon the Eastern Dairy School as Kingston with great respect, and know what the School's reports are always accurate and reliable. One of the late reports of the School is of great interest to dairymen, as it shows some remarkable skim-ming records made by The STANDARD Cream Separator.

Test No. 1 (printed or right side of ad.) shows that the No. 4 STANDARD skimmed at the rate of over 500 lbs. although listed at only 400 lbs. capacity of milk per hour. Not only skimmed at nearly 100 lbs. over its rated capacity, mind you, but skimmed down to .025 per cent, which represents the loss of but  $\frac{1}{2}$  lb, of butter fat in 1,000 lbs. of milk. The Standard

Other makes of Separators, skimming at their listed capacity,

The Renfrew Machinery Co., Limited

Head Office and Factory, Renfrew, Ont. Sales Branches, Winnipeg, Man., Sussex, N.B.

But if you desire to skim more closely than an ordinary separator will do, just run the STAN-DARD at its listed capa-

DARD at its listed capa-city as it comes from the factory. You will then secure results such as shown in Tests Nos. 2 and 3 at right, which results cannot be secured by any other separator. Running on the basis of Tests Nos. 2 and 3 you will be making with an ordinary hered of comes on the basis of Tests Nos. 2 and 3 you will be making with an ordinary herd of cows an extra profit (as compared with other separators) of almost enough to pay for the STANDARD in two years' time, or an extra profit (as compared with deep-set-ting or pan-skimming) of sufficient to pay for the STANDARD in one year.

The STANDARD is indeed "The World's Greatest Separator." And the machine



you will select, if you go into the separa-tor question thoroughly and buy a ma-chine solely on its merits .

Let us send you booklets containing fur-ther records of STANDARD tests and proofs of its superiority. Send us your name and address to-day.



\* Test No. 1, therefore, goes to show that the owner of a STANDARD 450 lb, ma-chine could open it up to skim 550 lbs, per hour and still do equally as good or better work than any other separator running at only its listed capacity or less. In other words, if you would be satisfied with the skimming that ordinary machines do, a 450-STANDARD will skim equally as much as any other 550 lb. machine, and will give as good or better results.

average about .10 per

average about the sents cent, which represents the loss of 1 lb, of but-ter fat in 1,000 lbs, of milk. The STAN-

DARD, skimming at away over its listed

capacity, saves ¾ of a lb. more butter fat in every 1,000 lbs. of milk.



60 (12)

#### AND RURAL HOME

Published by the Rural Publishing Com-pany, Limited.

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L FARM ADD DAIRY is splished every Thursday. It is the official events with Pritials Columbia, Eastern and Weitern Ontario, and Bedford District, Quebee, Dairymees Associations, and of the Cana-Dairymees Associations, and of the Cana-tern and the Canadian and Canadian and Create British, 812 as years. For all con-tries, escept Canada and Great British, add 66 of postages. Notices of the ex-stance of the constitute of the on-splication of the constitute of the splicit of the constitute of the constitution. No subscription is con-fort a trian. A year's muscription for of expiration. A year's muscription for of expiration. A year's muscription is of the paper unit they send notice of the splice of the constitute of the con-tor a club of two new subscription.

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CIRCULATION STATEMENT The paid subscriptions to Farm and Dairy exceed 14.75. The actual circula-tion of each issue, including copies of the paper sent subscribers who are but slight-from 15.67 to raid sample copies, varies from 15.67 to raid subject, No subscrip-tions are accepted at picts. Mo subscrip-tions are accepted use than the full subscription parts. subscripti on rates.

superlption rates. Sworn detailed statements of the circu lation of the paper, showing its distribu-tion by counties and provinces, will be mailed free on request.

#### OUR GUARANTEE

mailed free on request. OUR GUARNTEE We duarantee that every advertiser in this bias is reliable. We are able to do farm and bairy are as carefully edited farm med bairy are as carefully edited farm med bairy are as carefully edited farm and bairy are as carefully edited the reading columns, and because to persputous advers, we turn away all as-persputous advers, we turn away all as-the reading columns, and because to persputous advers, we turn away all as-the reading columns, and the same as on of our paid-in-advance sub-stant and the reading of the amount of your loss, movided good the amount the afost to be as stated. It is we find the facts to be as stated. It is we find the facts to be as stated. It is we find the facts to be as stated. It is a sub-stated of the same of the advertise, and reading disputes between subscribers and boundable of the body of the diversite. Te ARM AND D DAIRKY

FARM AND DAIRY PETERBORO, ONT.

#### THE FARM AS A BUSINESS

When the head of a manufacturing or business firm leaves this world for another his Lusiness does not stop. It is organized on a true business basis: The sons are already a part of the business, and all that is missed is the face of their father. There is no confusion; no need for readjustment. When a farmer who has sons on the farm with him dies there is great confusion immediately. The farm is not on a business basis. It is a cne-man concern. The farm is either divided into several small ones among the different sons or one son takes on himself the responsibility of paying off the other heirs. The landless ones "ge West" or leave for the city. The chances are that several boys have already anticipated the disbursion that must follow their father's debt and have already left.

We prefer Uncle John Hyatt's plan. Uncle John is a well-known Prince

FARM AND DAIRY Edward county farmer. He runs his farm as a business. He and his sons are in partnership. In connection with their farm they have a canning industry. "When I leave," said Uncle John to an editor of Farm and Dairy recently, "all that the boys will miss is the face of 'Uncle John'; the business will go on just the same.

FARM AND DAIRY

Jas. R. Anderson, also of Prince Edward county, has similar views as to the relationship that should exist between father and sons. His sons are not a superior variety of hired men. They are partners. Together they have established one of the best run dairy farms in Ontario. They are improving their cattle each year. All the partners are in love with their farm business. The Anderson business, too, will go on when the founder has completed his work and passed out

This same plan of keeping the boys on the farm and vitally interested in its success has been outlined by "Your Uncle Henry" in his chatty letters published occasionally on page two of Farm and Dairy. What a great advance is a farm organized as a business over one withcut business organization as a means of holding the boys' interest! And yet the latter is the more common condition of the two. We believe that the principal factor operating to drive our young men away from the Ontario farm is the absence of adequate financial returns. Lack of business organization is also a factor too important to be overlooked

#### ATTEND THE INSTITUTE

"Do you practise what you preach ?" was a question that many old-time Farmers Institute speakers found very embarrassing. The very great majority of Institute speakers to-day, however, are practical, successful farmers, and could answer such a question with a tale of success the like of which few of us can tell. And yet in spite of the high quality of speakers employed the Farmers Institute is not prospering as it should. We believe that this lack of prosperity on the part of the Farmers' Institute is due in no small degree to the narrow range within which Institute lecturers are confined. But be this as it may, there is still too much good practical information to be gotten from one meeting for any of us to miss a single session. Here are the records of a few of the Institute speakers with whom we are personally acquainted and their success is but typical.

Henry Glendinning was a boy in his teens when he decided to farm for himself. He started out with a good, practical knowledge of farming as it was then conducted. But he was not satisfied with things as they were. Pure bred dairy cows soon took the place of the scrub herd. And then came the problem of feeding those cows. Alfalfa was experimented with for several years. So satisfactory were the results attained that Mr. Glendinning started out to tell his fellow farmers, through the medium of the Farmers' Institute, what alfal-

fa had done for him. No one who has visited Mr. Glendinning's farm, as we have, will question his ability to talk authoritatively on alfalfa and farm and stock questions generally.

J. W. Clark, Brant Co., Ont., is willing to talk on any one of three subjects-poultry, fruit, and bees. Mr. Clark has a twenty-five-acre farm devoted to these three branches of faring. His income per year is well over five thousand dollars.

Anson Groh, Waterloo Co., Ont., had more difficulties to overcome than have most farmers. Much of his farm was naturally poor. It has been depleted of what little fertility it originally had by poor farming. So successful has Mr. Groh been in building up that farm that a few years ago it was among the prize winners in the first Prize Farms Competition conducted by Farm and Dairy.

And so we might go on. But surely we have said enough to convince anyone of the character of the men who lecture at the Institute meetings. Can we afford to miss a single opportunity of hearing men such as these tell of the means and methods that have brought them success? We will be wise to make the most of the mine of information that the Farmers' Institute brings right to our doors.

#### WHAT WILL THE HARVEST BE?

"Whatsoever a man soweth that shall he also reap," says the Good Book. And nothing could be said Dairying as it is now being conducted that is truer. It is a truth that be does not distribute labor. Dairying farmers particularly may apoly not only to things spiritual and moral, but ly practiced, winter dairying, is one to things commercial. Our neglect of the best systems of labor distributo pay proper attention to this Biblic- tion of which we know. al maxim is costing us many theus-

ands of dollars every year.

Mr. Fred Foyston, a member of the Canadian Seed Growers' Associa-tion, estimate that emailing of the tion, estimates that one-third of the seed grain offered for sale is unfit for seeding purposes. Seventy-five per the country. This is the announce-cent of this grain will grow but it ment of Dr. J. L. Cooke, physical dilacks the vigor necessary to produce a good crop. Mr. Foyston further farm it was found that the muscles estimates that in Ontario alone, the of the arms and shoulders were usual loss due to poor seed amounts to loss due to poor sees annually, ether part of their bonies ten and 4,350,000 bushels of grain annually, the average. Small cheet expansion Mr. Wm. Lewis, who for five years and small lung capacity were other has been making a specialty of im- faults of country youth proved seed grain, estimates that, conditions being equal, selected seed controls being equal, solected seed is naving this effect. Not nearly as will yield ten bushels an acre more as there used to be, while work that than will the fields sown with ordinary requires the use of the arms has not seed grain. The harvest will be in so greatly diminiahed. This would exact relation to the quality of seed sown.

Those of us who have not yet applied the homely Biblical truth just quoted to only binkat trun just somet oy many operators of riding good start this winter. Numerous trials have demonstrated that plump large sad produces batter of the place of the start of the start strong and physically correct when he large seed produces better crcps than can do, and do well, the work in wh seed in which a certain proportion of

#### January 16, 1913.

gressive of farmers and secure the best harvest possible, we will start in next spring with a small plot of pedi greed grain of some desirable variate and improve our own seed. We be surprised how easy seed selection is, 'the little time it requires, and when we harvest our first crop we will have a new appreciation of the value of Biblical teaching in business

#### THE DIVISION OF LABOR

Hew shall we distribute labor on the farm in order that we and our hired men may be profitably employed twelve months in the year? Prof Geo. E. Day, in discussing this subject at the Experimental Union at Guelph last week, very properly phasized the importance of increasing the live stock to give more labor in the winter months. We doubt, how. ever, if Prof. Day sufficiently emphasized the importance of dairying as a method of labor distribution. the speaker rightly contended, dairy. ing, as it is commonly conducted, tend to increase rather than diminish the amount of work in the busy summer season. But there is a system of dairying that would go a long way towards solving the labor distribution problem.

Why not have the cows come fresh in the fall? We would get more milk in the lactation period, we would get the best flow when prices are highest. and the greater part of the work with the dairy herd would fall at a season when labor and time is abundant. as it is being more and more extensive

#### Farm Exercise

#### (Nebraska Farmer.)

round physical superior of the boy who comes to that institution from the country. This is the announcerector, after examining a large num-ber of students. In the boys from the ly well developed, but nearly every cther part of their bodies fell below

Is it possible that riding implemente is having this effect? Not nearly so account for the development of arms and shoulders without proportions development in other parts of the body. The humped-over attitude as-sumed by many operators of riding

he is engaged; if he doesn't need his aced in which a certain proportion of no sequences if no use mucles three like an the grains are shrunken or broken. explant? That in a measure is true, We cannot do better than start right but the health of the body require now to fan all seed grain intended for seed next spring and use only the plumpest and best. And if we wish to be ranked along with the mest pro-ter we walking plow and cultivator. Jan

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a man is k in which t need his re like an re is true, y requires ver, that sideration go Lack to vator.

January 16, 1913.

#### Holding Back the Milk

Pately Bridge in "Farm and Home." Particly Bridge in "Form and Home." Cows will sometimes refuse their milk to strangers, and a rough milker will often upset a herd. The remedy in tending the strangers, and a rough milker gentlementer for amount of the strangers on the strangers and the strangers of the favored individual entirely. A common remedy is to attempt to distract the attention of the cow from her milking time is a debatable one, and we are familiar with the arguments Cows will sometimes refuse their

#### AD. TALK LXII

Pictures always attract.

When properly done in advertisements they explain also and get in their work in an instant, A good illustration will get even him who runs, and give him an idea better than could hundreds of words in type.

Coupled with an attractive price, an illustration can aid in making a most effective advertisement

Look through this issue of Farm and Dairy noting the various ads. that have pictures in them. Invariably you will be first attracted to the illustrated advertisements.

For a new thing being advertised pictures are generally quite invaluable.

Note the Heller-Aller ad. of a Tank Heater on page 7 this issue. The cut of that heater conveys to a reader a clear idea of the device, and makes him familiar with it. The same result could not be obtained with type alone. Without the illustration much larger space than this small 80 line ad. would be required to do the work that this small ad. is doing.

One great reason for the advantage of illustrations in advertising is the fact that "we have child minds. No amount of complacency can dodge this fact. The child mind requires an illustration, whether it be in the form of a parable, a simile, or a picture.

To give the price, too, is good in any advertisement where this is possible. In fact, you can't successfully sell any commodity through advertising without sometime mentioning and featuring a specific price.

The Heller-Aller people, in the adv. of the Tank Heater under discussion, recognize this fact. They mention price.

It is highly probable that you, dear reader, can make your ads. more resultful by placing in them illustration. When practical in your case it will pay to mention price.

And when it's prosperous Dairy farmers you want to reach, over 16,000 of them, why have your ad. in Farm and Dairy,-

"A Paper Farmers Swear By"

against it, but nething makes cows so much at home in the milking shed or brings them home to it so cheerfully as what the Yorkshire man calls a "jbit a' liking." As a general ruic, the relationship between oow and mag at migood in daries where feed-ing at migood in daries where feed-ing at migood in daries where feed-ne and the set of the set of the set of the norm ensawith a structure or norm ensawith a structure or

A TRIAL OF ENDURANCE In some cases with a strange cow patience wins, and if the milker sticks to his stoch and keeps rubbing the ud-der and stroking the teats, he still tire out the most wilful of caves. In other cases it seems a better plan to leave the cow for a time and return to her half an hour later. In extreme cases it may be found more affecting to pro-lim any be found more affecting to pro-

the cow ror a time and return to her haif an hour later. In extreme cases it may be found more effective to re-frain frem miking until the disten-tion begins to cause inconvenience, but and the set of the set of the set duartied are drawbacks to this, and of garages or a hadrow may be a case of garages or a hadrow may be a case of garages or a hadrow may be a case of garages or a badrow may be a favorite remedy with some, and we have seen heavy chains and bags of sand, earth, or wet brewers' grains omployed in this way. The idea is that the weight cn the loins has an effect on the ability of the cow to con-trol the voluntary muscles of the ud-der, which, under normal conditions, also can, but such messures are cal-can hours the set a nervous cow, and one no were conduce to a big yield of milk.

Can inver conduct to a bag primit. A METROD TO AVOID Teat tubes or milk syphons effect-ually negative the cow's efforts at resontion, that these are no more to be recommended, unless as a last re-source, than weighting the loins. The udder is not simply a reservoir for storing milk which can be emptied by overcoming the resistance of the splinter. Secretion goes on while toy the genite stimulus of the calfa-togue and palate or the hand of the milker. Mireover, this is the richest milker. Kindness, patience and persev-erance are the most rational, as they erance are the most raticnal, as they are the most successful means to over-come a disposition to "hold" the milk

#### Is Your Horse Sick?

One must be thoroughly familiar with the normal condition of the horse in order to be able to recognize norms in order to be able to recognize the abnermal conditions indicating disease. The important things which must be noted are the temperature— 100.5 to 100.8 F. in the normal horse, -the pulse-28 to 40 a minute,-the heart beat, respiration, conditions of directive and wrimer end digestive and urinary system, conditions of digestive and urinary system, condi-tion of mucus membranes. appear-ance of coat and expression of eyes. There are many other important facts to be kept in mind, but these, the chief ones, if thoroughly mastered will make recognition of disease much less difficult.

#### **Muterial** for Silo

How much lumber is required for con-structing a stave silo 14 by 30 feet? Would hemlock lumber be suitable?-J. K. Frontenac Co., Ont.

tenae Go., Ont. For a silo 14 by 30 feet would be required 88 staves 30 feet long and six inches wide. It would be desirable to have half the staves 316 feet 1 ag and half 14 feet long, 88 of each. Weil-dried hemlock staves, two inches thick, should be quite suitable for this purpose. Panining with creesete would tend to preserve the life of the silo. silo.

The rooting of the manure by pigs does not add anything to its value, but it may prevent excessive formen-tation. Cow manure mixed with horse manure will accomplish the same pur-pose. The stored portion of the manure transed on by live stock hastens decomposition of the bedding. -theard's Dairyman.

FARM AND DAIRY



## Don't Delay Buying One a Single Day Longer

. If you are selling cream or making butter and have no separator or are using an inferior machine, you are wasting cream every day you delay the purchase of a De Laval.

There can only be two real reasons why you should put off buying a De Laval; either you do not really appreciate how great your loss in dollars and cents actually is or else you do

not believe the De Laval Cream Separator will make the saving claimed for it.

In either case there is one conclusive answer: "Let the De Laval agent in your locality set up a machine for you on your place, and see for yourself what the De Laval will do."

You have nothing to risk and a million other cow owners who have made this test have found they had much to gain.

Don't wait till Spring. Even if you have only two or three cows in milk you

can buy a De Laval now and save half its cost by Spring, and you can buy a De Laval machine for cash or on such liberal terms that it will actually pay for itself.

DE LAVAL DAIRY SUPPLY CO., LIMITED 173 WILLIAM ST., MONTREAL 128 JAMES ST., WINNIPEG

## Do You Want Him?

He is a youngster out of a 26-lb. dam (Holstein). He is out of my great herd bull, Prince Hengerveld of the Pontiacs.



The first daughter of this bull of mine, as here shown, Prince H The first caughter of this built on mine, as here shown, render trenger-vel of the Fontiacs, has recently finished here test of 7 days, in which she made 40.56 lbs milk and 16.58 lbs, butter. Considering that this heffer-atot any farm-only got to 16 bs of mail, at 18b. of alfalfa hay that be followed roots, and you will reckon that this is a very creditable record for a heffer.

I have but the one bull as offered above for sale. Write for full description, or better still come and see him.

I am now booking enders for the coming crep of culves. Write me for the one you will want, or arrange to come and see my herd and pick out the dand of a call you will want. Remember that the Manor Farm is easy of access from Conductor to put you off at

THE MANOR FARM GORDON S. GOODERHAM, - - BEDFORD PARK, ONT.



(13) 61 62 (14)



Save Money

And economise greatly on the milk and raise healthy, thrifty, vigorous calves at the lowest possible cost, by feeding

CALFINE THE STOCKMEN'S FRIEND

(Made in Canada)

When buying Calfine you get a Canadian product, pure, wholesome and nutritious, and have no duty

to pay. Get a trial bag of Caline. Your dealer has it, or if not, eand \$2.75 to us and we will ship you 100 lbs. of Caline as a trial, and we will pre-pay the freight to any station in Ontario. South and East of Sud-ner.

bury. Send to-night for your trial order of Calfine, and use it on your fall calves. They will thrive on it in a way that will surprise you. Calfine will save you money

CANADIAN CEREAL AND MILLING CO., LIMITED Toronto, Ontario

IF YOU

### FARM AND DAIRY -----

**Cheese Department** Makers are invited to sand control builtons to this department, to ask quantions on matters relating to quantions making and to suggest sub-distribution of the sand sub-distribution of the same same sub-tion of the these Makers Department.

Harvesting the New Ice Crop By L. C. Corbett in U. S. Bulletin.

In order to keep so perishable a commodity as ice it is necessary in the construction of a storage struc-ture to consider carefully those physical and mechanical principles which underlie its preservation. (1) To keep well, ice must have a minimum surface exposed to the air or to the packing material. This is most easily accomplished by piling the ice in the accompliance of pling the ree in the form of a cube. A mass of ice 12 by 12 feet exposes less surface than the same tonnage piled in any form less nearly that of a cube or of a globe. (2) The keeping of good ice depends upon the completeness of its insula tion, whereby it is protected from external influences, such as heat and evtornal influences, such as heat and air. (3) Drainage is important he-cause the lack of it interferes with the insulation. (4) the ice itself must be packed so as to prevent as com-pletely as possible the circulation of air through the mass. The more nearly the mass of ice approaches that

## are at all interested in **Home-Mixed Fertilizers**

I would like to send you my book on the subject. It contains formulas and plenty of information for farmers who want to get the most and the best for their money. The book will be sent free upon request.

Dr. William S. Myers Director Chilean Nitrate Propaganda 17 Madison Ave., New York No Branch Offices



The special shape of the "Bissell" plates cause them to enter the ground naturally and TURN-THE SOIL EASILY. Steel scraper blades meet the

Disk Plates chisel fashion and keep the plates clean of trash by movable clod irons-the only Harrow that has this feature. Anti-friction balls (40) are used in the bearings, on every "Bissell" Disk.

sseir Diss. The sent is placed back on the Harrow so that the weight of driver when riding balances over the frame and REMOVES OK WEIGHT. The hitch is well back, MAKING LIGHT NECK DRAUGHT.

DRAUGHT. Search the Continent over and you will not find a Harrow with such cutting capacity, easy draught and correct proportions as the "Bissell." A postcard to Dept. R will bring you a free catalogue.

T. E. BISSELL CO., LTD., ELORA, ONT.

#### CLEARING THE ICE FIELD

If the ice field is covered with snow the formaticn of ice will be retarded, as the snow acts as a blanket and raises the temperature, thus retard-ing the ice formation. If the ice sheet is sufficiently thick and snow falls upon it, the snow must be re-moved before harvesting can proceed; or if, on the other hand, it is desiror if, on the other hand, it is desir-able to increase the thickness of the ice after the snew falls, the field may be flooded and the snow saturated with water, which is allowed to freeze, with wate:, which is allowed to freese, hus adding a layer of snow ice. On fields where ice is stored com-Flooding of small fields may be ac-complished in either of two ways: large areas until near the channel, (1) By "overflowing," which consists then barred off and carried by hoist-merely in conducting water to the ing machines to the storage house. On field, or by piercing the ice field here small fields, where the quantity stor-and there with a bar or auger, to al- ed is 50 tons or less, the cakes are cut



### In the Land of Our Greatest Competitor for Foreign Trade

New Zailand is steadily and aurely enlarging its export trade in dury produce. New Zailand choses, a few years ago a negligible quantity on the British market, is steading durated and research in the steady of th

low the water to force itself to the or barred off, floated to the loading surface and gradually to saturate the platform, and placed upon it by hand

Snow may be removed from small fields, when necessary, by means of shovels, but upon large fields it will be economical to use horsepower scrapers. A simple plank scraper will da

HARVESTING THIN AND THICK ICE Ice not over four inches thick and ice from six to 15 inches in thickness require very different methods of procedure. The thin ice in general will be broken into more or less regu-lar cakes, which will be loaded as best as they may into sleds or wagons and hauled to the shorehouse, where they may be arranged in layers and adjusted as closely as possible, the spaces between the cakes being filled with crushed ice or snow in such a manner as to cause the whole mass to freeze into as nearly a solid block of ice as possible. It is more difficult to store and keep ice of this character than

that harvested in regular cakes. Harvesting ice from six to 15 or more inches in thickness permits the use of tools and implements that find no place in harvesting thin ice. The reference in introducing time for the second 22 inches or 22 by 32 inches. Goiong cakes have some advantages over square cnes, as they can be lapped so as to break joints as they are stored, thus reducing the possibility of the formation of air passages in the ice heap.

#### TO GET REGULAR CAKES

In order to obtain cakes square or fin order to othern cares square or rectangular in form a square made from light strips of bcards with straight edges may be used. A square with sides 12 to 16 feet long will serve the purpose nicely. Draw a line across the ice field parallel with each side of the square and with a hand marker with a saw accurately follow this

#### January 16, 1913.

of a solid cube, both in shape and texture, the easier, with good drain arge and insulation, will be the keep-ing problem. The keeping of ice, hen, dopends upon the shape of the mass, its insulation, its drainage, and the addition argument of the solid straight angles to four addition argument of the solid straight angles to the field is ploted at right angles to the field is ploted at right angles to into parallel bands or rikbons. If the harvest is an extensive case and the water is of considerable depth, after the field is plowed at right angles to the first plowing the ice may be bar-red off in large masses or strips and floated to the shore or loading place, where it can assily be broken by an ice spud or bar into cakes of the di-mensions outlined by the plow. The use of a nlow is not confined to large mensions outlined by the plow. The use of a plow is not confined to large fields or to ice that will bear the weight of a horse. In fact, ice fields on bcdies of water too shallow to peron bedies of water too shallow to per-mit the use of a saw can be harvested by means of the plow by attaching to it a light wire cable or rope and oper-ating it from the bank by horse

On fields where ice is stored com-

platform, and placed upon it by hand or by horse pover. The extent to

which labor-saving devices may be in-

troduced is measured by the cost of

labor, the extent of the harvest, or the dispatch desired.

The Salary of the Maker C. W. Norval, Dundas Co., Ont.

I am not habitually a knocker, but I would like to register one knock just

I would like to register one knock just the same. It concerns the salaries of cheese makers. I don't believe that a brainy young fellow can afford to be

make more money in almost any other line of work. As a result toc many

of the boys now going into the busi-ness are of a distinctly inferior class. Some of them spend a couple of years

arcund a cheese factory without pay-ing any particular attention to the

business and then call themselves cheese makers. There are the fellows

who are making cheese in our small

factories, turning out a poor article that will do little to establish a good

The same applies to the salaries of our dairy instructors. I don't com-plain myself as I have a syndicate in which the factories are in a compara-tively small area and I can reach them all from my home without un-due expense. Some of the other in-duction of the other in-

structors, however, in districts where atructors, however, in districts where dairying is not a specialty, have to cover parts of three ccunties, travel-ling a great deal by train and their expenses must be tremendous. When we ask for an increase in pay we are told that there are lots of may be full the residue.

we are told that there are lots of men to fill the positions. But are they the best men? The dairy instructors have a great big influence on the dairy industry and only the best men should be employed, and to get good men for the cheese factory and for the read the arise must be maid.

road the price must be paid.

reputation for our cheese. The same applies to the salaries of

a cheese maker now-a-days.

business

this vie Not been s the fir ports i from \$ \$18,790 of butt only Si ued at bulk of shipmer posed t the dain which i than co in expo ducts p

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second har sizes, good greenhous Also enorr pulleys, ca forges, all value. Ca

IMPERIAL 65 Queen

In good da St. Paul's, good repair apply to J. A. THIS



plow with a can be cut bons. If the one and the depth, after tht angles to may be bar-r strips and ading place, roken by an es of the plow. The ned to large ill bear the ct, ice fields allow to perattaching to pe and oper-

stored com-4. floated in he channel, ed by hoiste house. On antity stor-



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#### Maker

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ise in pay ts of men they the nstructors on the best men get good d for the

#### January 16, 1913.

#### (Continued from page 10.) ston west, the shrinkage en route to Montreal was only 3-50ths of a pound 000

per box, and that on shipments from Kingston east to Montreal, a shorter haul, the shrinkage was 9-10ths on the haui, the shrinkage was p-to-ns on the box on the average, thus showing the need of proper cool curing rooms in eastern factories.

In regard to the bonding of exporters, that is, requiring cheese mak-ers to furnish bonds for all cheese ers to furnish bonds for all cheese purchased thus protecting the pro-ducer in case of the merchant's fail-ure, the Commission reported ad-versely. They believe, that such a move would drive the trade into the hands of a few strong merchants, thas reducing competition, and that be borne by the producer, and with this view the members concurred. EXEMPT AND REFERENCE

EXPORTS ARE DECREASING

EXPORTS ARE DECREASING Not a single pound of butter has been shipped to Great Britain since the first of April last. Cheese ex-ports in the last year have declined from \$21,209,667 worth in 1911, to \$18,709,019 worth in 1912. Such is \$18,700,019 worth in 1912. Such is the condition of our export trade in dairy produce as told by Mr. J. A. Ruddick, Dominion Dairy Com-missioner. Altogether our exports of butter in the last year amount to only \$144,338 worth, while our total imports have been 6,664,722 lbs, val-ued at a little over \$2,000,000. The bulk of this butter consists of direct shipments from New Zealand to Van-couver to sumpt the Decifie Cores. shipments from New Zealand to Van-couver to supply the Pacific Coast trade. Mr. Ruddick was not dis-posed to take a pessimistic view of the dairy situation. He believed that increase in home consumption. the increase in nome consumption, which is now five or six times as great at the export trade, would more than counterbalance our falling off in exports. The value of dairy pro-ducts produced in Canada for home

### FOR SALE

A Combined Cheese and Butter Plant, situated in Lower Ormstown, three miles from station. Fully equipped and in good condition. No better section for milk pro-duction. Apply to CHAS. TATE or WM. G. RICE, Secretary,

TATEMURST. QUE. CHEESE FACTORY FOR SALE

One of the best locations in Western On-tario. Output of 175 tons. Immediate pos-session. For full particulars, apply to Box 60, Farm and Dairy.

WANTED A CHEESE MAKER By the Northport Cheese and Butter Co. for the season of 1913 to make by the ext. and furnish his own help. State experience and give credentials. Applications received up to Jan. 14th, 1913.

D. H. FRASER, Secretary, Northport, Ont. FOR SALE

Mechanical Refrigerator Plant, complete. Also one Cream Ripener, one Cream Pas-tuerizer and one Milk Heater. Apply to D. D. ALLAN, · · PRINCETON, ONT.

#### A CHEESE FACTORY FOR SALE

In good dairy district, near the village of St. Paul's, in Perth Co. Everything in good repair. For terms and particulars apply to J. A. THISTLE, Secy., St. Paul's Cheese Co. ST. PAUL'S, ONT.

**BELTING FOR SALE** 500,000 fost, all kinds and sizes. New and second hand. Also 500,000 kost ion pipe. All sizes, good as new for water, steam heating greenhouses, construction, fuening posts, etc Also enormous stock of wire fencing, gates. Julleys, cable, rails new rooting, as way, vices. forgres, all at 25% to 5% less than regular value. Catalogue on regular. IMPERIAL WASTE AND METAL CO.

65 Queen Street - -Montreal

EASTERN ONTARIO DAIRYMEN MAKE IMPORTANT DECISIONS

consumption alone, Mr. Ruddick es-timated at something over \$100,000,-

#### EDUCATIONAL ADDRESSES

In his Presidential addresses Mr. G. A. Gillespie traced the products of the dairy industry in Ontario and fore-casted a bright future for d iry farmers. The price of cheese this last farmers. The price of cheese this last year on the average has been higher than in any year since 1867, and the quality of the product also has shown quality of the product also has shown marked improvement. After the Presi-dent's address the rest of the morning was taken up with speeches by Dr. Edwards, M.P., and A. Rankin, M.L.A. The educational program did not get started until the after-

noon, Mr. Hodson, of the firm Rowson, Hodson & Co., représenting the Mont-real Produce Merchants' Association, real Produce Merchants' Association, real Produce Merchants' Association, took rather a pessimistic view of our dairy export trade. He did not be-lieve that we in Canada are making any better cheese than we did 10 years ago. He dealt much with New Zea-land competition, pointing out that while we have always gotten the high-est price until the last year or two, cur rivals now command a promium cur rivals now command a premium of two to three shillings. This falling of two to three shillings. This falling off he attributed largely to the eril of green cheese, holding both producer and buyer accountable. One point made by Mr. Hodsen that cheese mak-ers should take to heart, is the matter of green boxes. "If you makers come down to Montreal and see your cheese drinning as if dinged is the size." dripping as if dipped in the river St. Lawrence," said Mr. Hodson, "you would better understand the menace of green boxes."

#### THE EVENING MEETING

The wednesday evening meeting was largely taken up by Mr. Pringle, of the Cheese Commission, who dealt with the work of the Royal Commis-sion. Mr. J. A. Ruddick briefly traced the progress of the Dairy and Child Stores. Dranstrant, at Ottawa Cold Storage Department at Ottawa from the time when it was virtually a one-man affair until the present, when over 100 men are in its employ. Mr. G. A. Putnam, Director of Dairying, Toronto, described the system of ing, Toronto, described the system or dairy education in Ontario and gave some interesting results of a dairy consus recently taken in North Dor-chester Township of Middlesex county. The important feature of the Thurs-the American Statement of the Statement of the Statement of the Statement of the Statement of Statement of the Statement of the Statement of the Statement of Statement of Statement of the Statement of the Statement of Statemen day morning session was the annual report of Mr. G. G. Publow, Chief Dairy Instructor for Eastern Ontario. Mr. Publow reported 895 cheese factories in operation in Eastern Ontario, which is 18 less than last season. Fifty-two factories had made improve-Pifty-two factories had made improve-ments in buildings at the second second second expenditure of \$95,644. A pleasing feature was the equipping of 10 fac-teries with cool curing rooms. The number of patrons was 32,425. The amount of milk delivered to cheese factories, 1,011,735,609 and the amount of cheese manufactured 94,009,519 lbs. The average pounds of milk required to make a pound of cheese was 10,68, as compared with 10.74 last season. Twenty-seven creaturelies were in cperation with 3,898 patrons, and a production from creameries were in cperation with 3.898 patroms, and a production from May 1st to November 1st of 2,301,319 Ibs. Addresses were also given at this assession by Prof. W. O. Walker, of Queen's College on "The New Casein Test," by Goo. H. Barr, Ohief of Dairy Division, Ottawa, on "New Ex-perimental Dairy Stations," and by Primutal Dairy Stations, an address and demonstration gave, an address and demonstration of Earn and Farn be triven in later issues of Farn and be given in later issues of Farm and Dairy.

and Mr. L. A. Zufelt, Supt. of the Kingston Dairy School, in regard to the best method of paying for milk at cheese factory premises. Prof. Dann had delivered an address on "The Casein and Fat Contents of Milk at Ontario Cheese Factories for the seasons of 1911-12," and had been followed by Mr. Zufelt, who spoke on "Casein Contents of Milk and its relation to Cheese." Prof. Dean contended that the only fair basis of paying for milk at cheese factories was according to its casein basis of paying for milk at cheese factories was according to its casein and butter fat contents. Mr. Zufelt contended that according to Prof. Dean's own statement, the casein Dean's own statement, the case in contents of milk varies greaty, mak-ing it difficult to determine its value as a component part of the milk. He claimed further that for all ordinary purposes, the butter fat content of the milk which can be determined is officient to be a state of the state of the state of the milk which can be determined is the milk which can be determined is a sufficiently reliable text without in-cluding the case in content, or add-ing to the butter fat content as has been advocated by Prof. Dean. Both the papers as well as a full report of the discussion will be published later in Farm and Dairy. As far as it could be determined the sympathy of the audience was with Mr. Zotekt

it could be determined the sympathy of the audience was with Mr. Zufelt. Work dimitable address on "The Work of the Dairy Record Centre for 1917," was delivered by Mr. C. F. Whitley, of the Department of Agri-culture, Ottawa. This address will be published in Farm and Dairy next week. The value of the work being accomplished by Mr. Whitley, was referred to with appreciation by a number of the speakers.

#### EVENING SESSION

EVENING SESSION The Thursday evening session was ell attended, the chairman being R. Dargavel, M. L. A., of Elgin, former member of the Association. a former memoer of the rassocrassful This session was not as successful as it might have been owing to the as to might have been owing to that altogether too much time that was given to the politicians who occupied positions on the platform. The two main addresses of the evening were supposed to be one by Mr. C. F. Bailey, Assistant Deputy Minis-F. Balley, Assistant Deputy Minis-ter of Agriculture, Toronto, and a stereopticon address by Dr. M. T. Connal of Queen's College, Kingston, on "Farm and Factory Supples." The politicians were called on first, The politicians were called on first, however, with the result that it was 10 o'clock before Mr. Bailey had an opportunity to speak, and half past 10 before Dr. Connal was able to start his address. Naturally the attentione was tited before these ad-attentiones was the before these ad-ternation of the programment of the programme is rarangement of the programme is rarangement of the programme is rarangement of the programme. programme is required for another year. Speeches were delivered by W. F. Nichol, M.P., Dr. A. E. Ross, M.L.A., and R. H. McElroy, M.L.A. Mr. Bailey told of the work that the Department of Agriculture is deavoring to accomplish. Dr. Condeavoring to accomplish. Dr. Con-nal showed various ways in which the farm water supply is contaminated. An outline of this address will be published later.

#### NATIONAL DAIRY SHOW

NATIONAL DAIRY SHOW At a meeting of the Directors a suggestion contained in the Presi-dent's address that the Association might consider the advisability of again looking into the proposal to hold a provincial dairy show, was discussed. It was realized that the suggestion had much to commend it and Messers. J. H. Sanderson, of Ox-ford Center, and T. A. Thompson, of Almonte, were appointed to con-fer with delegates from any other dairy organization that may be ap-pointed to take further steps in the pointed to take further steps in the matter.

Some of the best addresses are not Dairy. EXPERTS DIBAGREE The feature of the Thursday after noon session was a discussion be-tween Prof. H. H. Dean, of Geelph, issues of Farm and Dairy next week, and fult reports sues of farm and Dairy next mand Dairy



The Secret

of the Success

¢ of the

MECHANICAL

SHARPLES

MILKER

#### Write For FREE Catalog, N

Let us mail you our catalog, a big free illus valuable information, tells all about this wo ine, shows it at work in many daries and cou-merces of sniphid usary. Write for cat The Sharples Separator Co.

TORONTO, ONT. WINNIPEG, MAN.



<text><text><text><text><text><text>



One Man Milks 45 Cows in One Hour





GOOD thoughts are blest guests and should be heartily welcomed and much sought after; like rose leaves they give out a sweet smell if laid up in the jar of memory .- Spurgeon. . . .

### The Letter of the Law (Farm and Home)

her mother, as that personage moved with rather more emphasis than her tasks seemed to warrant around the family domain.

Pa Talbot looked up uneasily. There ad been times when those "lamps" had been times when those "lamps" had Lurst suddenly into scorching fire and consuming flame, and he wonder-ed if his critical comments of the previous hour had been responsible for the scintillations that, now his atten-tion was directed to them, held an ominous threat of possible trouble.

"It's easier to run than fight," he thought, and aloud remarked : "Guess T'll go down to Alvin's for a while; I hear he has a colt he wants to sel

No one replied. This was a sure sign of brewing storms, so without more delay he continued his journey.

The moment he was out of the house sabel began : "Oh, Mumsie dear, Isabel can't I have a new dress for the concan't I have a new dress for the con-cert? I'm ten years old next Tues-day, and I never, no nover, have had a mew dress in my whole life. The girls, some of them anyway, say mean giris, some or them anyway, say mean things about you and papa, and they lock at each other and smile whenever I wear one of my made-over rigs. I don't mind wearing them every day much, but all the class but me are going to have new suits for exhibition, and I'll be the only one that will be different. That hateful Maud Anderdifferent. That hateful Maud Ander son will be sure to ask me if I'm go son will be sure to ask me if an go-ing to have a new dress from your second Lest, or something just as mean. I do wish I could have a new dress for the exhibition day." 3.8

Mother's eyes lost their fierce glare.

Mother's cycs lott their force glare. They grew, insked, dowy and misty, and "ma" turned away hantily, with out replying to her daughter's plos. "I'd like a new suit, too," dhined in the twolve-year-old hoy, who had been an easier listener to his sister's remarks. "If Uncle Tom hadn't giv-en me a suit on my birthday. I could say the same as sis: that I'd never had a new rig-out. Fred Fuller away that pa is the biggest taxpayer in tewn. Is he? Then why doesn't he let us have some new duds once in a let us have some new duds once in a while? What's the matter with him anyway?"

Somehow, despite the fact that ne ssity did not demand it, pa had so ceasity did not demand it, he and so imbibed the idea that some things that his mother had done his wife ought also to do, that he had laid down the rule and made it a law that his children's garments must be made from these cast off by his wife and imself.

himself. He excepted shoes, but he was wont to say in the most honest and hun-dering judgment: "If my dear mother could clothe six children from partly worn material, why can't my wife have gumption enough to fix up for two? Anyway, sho's got to," head finish doggedly and with that com

"MA'S eyes look like lighted pression of his lips that mean a long lamps," commented daughter time of trouble and recrimination, if, Ada, looking approvingly at as once or twice had happened, ma had declared war on such useless and penurious sentiments. Pa didn't like to fight, but that was the one subject

and smiling: "I will; I will cut down how her husband would take her our clothes for them until you tell me stratagem.

"That won't be till they're lots bigger'n they are new," said the stub-born man, much rejoiced, however, that at last his wife had come are to his wise and thrifty way of think-

ing. "'May be sooner than you think," murmured his wife; "you poor mis-

Graduation day came. The Talbot Graduaticn day came. The Talbot children looked very spruce and nice, Isabel in a pretty blue dress and rib-bons, and Harobd arrayed in a spot-less blue serge, as much like the other boys' garba as peas in a pol. Pa Talbot at first accupied their mod looks as a tributed.

good looks as a tribute to his own sagacity and his wife's dexterity and sagacity and his wife's dexterity and chedience. He recalled lambe's re-mark about the 'lighted lamps' with a feeling of pride, that he had not allowed her anger to override his good judgment. Then, suddenly, a hor-rible fear occurred to him. Where had ma obtained that blue material that his seal doublets are avaning? that his small daughter was wearing? She had never had a blue dress to his recellection. She was very dark to fight, but that was the one subject has received that. Sho was very dark on which he had not dodged warfare, and more verve light blue. Dyed? and so far he had come off victor. No; no dyeing hailed and more the home since last fail. Could it be possel and the set fail. Could it he posse ince that he had ind off and and tried had a blue dress. She had never to deserve that he missed all the speech that the

+ totes with

me of the neatest, tidlet farms we have ever seen, is that of Mr. Chris. Howson, sterboro Co., Ont. Tidlness on this farm does not stop with the front of the ouse but is extended all the way around as may be seen by this illustration of one of the side doors.

its texture

brown eyes.

-Photo by an editor of Farm and Dairy.

tween forefinger and thumb and test

She sniffed audibly, and something of the "lamp" flame came into her big

blue, too, like Daddy Talbot's for all visiting minister was making. Going the world, and why couldn't she have home he scarcely apoke, thrugh ma's Addy failors for all visible months was making. Going why couldn't she have home he scarcely spoke, thrugh ma's Her father listened sharp eyes saw him take surrepti-tiously a corner of Isabel's dress bea blue dress? uneasily.

"'Pears as if women folks didn't think of nothing but dress," he com-mented, but her brother broke that criticism by rushing in with a demand for a blue serge suit to match Ben Tilden's, and pa with a muttered sentiment that they would all ultimately die in the poorhouse with such extravagant notions, went off to the post office

brown eyes. As soon as the children were abed pa accused her of her duplicity. "That's brand now electh in Isa's dress," he said; "you can't fool me." "Ma Talbot smiled grimly. "Come here," she said, leading the way to the sewing room. She opened drawar. The aroundate of a light Next day ma went to town. She needed a new dress, she said, and pa was willing.

a drawer. The remnants of a light blue suit were there. 'I made Isa-bel's dress from a suit of mine,'' she said calmly; "there is what is left of "Get a good suit, mother," he said, while you're about it." His wife, "Get a good suit, mother," he said, "while you're about it." His wife, with a queer look, half scared, half amused, answered that she certainly would. Pa Talbot approved of her buying good garments, as they left more and better material for his pet "medacovers". it. it." "Yeu never had a blue suit." he declared, lifting as he spoke the mangled pieces of what had surely once been a womar's blue linen suit. "I bought it," she answered, "the last time I went to town." Light burst upon the bewildered man's wind." 'made-overs.

"imade-overs." For a week after her journey to town ma was very basy sewing. "No new dude," had been her hushand'a injunction when she made one last appeal to him. "You have plenty of clothes, and I don't begrudge them, other You're a surget out plents of "Do you mean to tell me," he de-manded, "that you bought a linen suit and then cut it up for that child." either. You've surely got plenty of things to cut down, and if the boy needs a suit, take one of my old ones and fix it up for him." "Very well," said ma, her face calm

He was apparently so amazed as to he was apparently so amazed as to be speechless for a season during which he fingered feebly the pieces of the cut-up suit. Then recovering his senses he asked: "What did the suit oost S

'Fifteen dol'ars," replied ma; "you teld me to get a good one, you know." Pa gasped. He looked up angrily,

but ma's danger signals were out. Phad never seen her eyes so bright be had never seen her eyes so bright be-fore, for ma was determined to win this time at all costs, realizing that their children's happiness depended on her courage.

on her courage. Pa's mouth opened once or twice, hut no words came. At last fa turn-ed suddenly and left the room. Ma saw him striding down the road to-ward the village, and she wondered where he could be going and what his cbject could be. She felt very uneasy and haurice the front window until, an hour later, she saw him returning. Then she sourch the sitting-room and Then she sought the sitting-room and was placidly mending socks when he camo in

She would have smiled if she had She would nave since it is the known where he went. Straight to the village store, where with affected indifference, he inquired the price of blue linen, "the very best," he said, indiference, he inductive best," he said, and then how many yards a ten-year-ckl girl world need for an outfit. The knowledge gained, he had occupied some time in computing the difference between this cost and that of his wife's garment.

The perspiration poured from his forehead as he realized that a good ten-dollar bill had been sacrificed in the ruse his wife had adopted to se-cure her way, and at arst he had in-"But what's the use," his g

"she knew you'd angel interposed : angel interposed: 'she knew you u find it out. And say, wouldn't every-one laugh at you if they knew ft? Better swallow the dose like a man, and act so you won't need another. He obeyed the advice. When 1

When he walked in ma know her troubles were over, and she almost wished she did not have to inflict another blow. She was wondering how to do it and give the least suffering, when pa himself gave her the chance.

gave her the chance. "It's a wonder," he maid, somewhat bitterly, "chat you didn't get a new suit for me and cut it up for Harold," "I' didn't need to," said wifey, sweetly, though with inward qualms of remorse. "I tock your best suit. It was so mearly new that he was quite satisfied."

quite satisfied." "My best suit," grouned the forlorn man. "Why, it was good for two years yet, little as I wear it, and I gave thirty-five dollars for it." "Yes, it was pretty good," replied

gave unirty-nve douars for 16. "Yes, it was pretty goed," replied Ma, wilfully misunderstanding him. "If it hadn't been, I might have had to buy a new one. I'm fully convert ed to your ideas now, Benjamin. I thought the children looked as nice as any of their mates to-day."

"They ought to," wailed the desper-ate man, "with a good fifty dollars on their backs. Say, if you ever tell this to a living creature I'll light out for Alasks Alaska or some such place! And hereafter you buy stuff for those youngsters, do you hear?"

Ma peacefully replied that she did and had no idea of telling anycne, but meekly added that she had just as soon keeping on "cutting down and making over" if Benjamin preferred.

which bit of submission he only Tov replied by a glare and a snort, and then stalked off to bed, while his wife, like most of her sex, relieved her feelings by throwing down the unoffending socks and bursting into tears.

"Do you mean to tell me," he de-manded, "that you bought a linen." "Oh. Ik know it was dreadful of exild." "That's exactly what I did," his Benjamin! A find to do it. Poor wife answered with a calmoses she did (cheap-I could have make it a hun-not really feel in the uncertainty of dred, if I'd wanted to."



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ures up doth break t But I ures in nor rus thieves

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like a man, d another. When he roubles were shed she did er blow. She it and give pa himself

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y dollars on ver tell this ght out for for those

hat she did ng anyene, had just a down and preferred. on he only mort, and le his wife, d her feelunoffend tears.

eadful of as in the it. Poor lesson was it a hun

#### January 16, 1913.

### time. But does it not depend alto-The Upward Look gether on the motive from which we perform these acts? If we are doing them to be seen of more are doing Our Treasures-Where are They?

### FARM AND DAIRY

ceive their praise and commendation Ceive their praise and commendation are we not laying up treasures on earth. We read in Matt, 6:1, that Jesus says: "Take heed that ye do not your aims before men to be seen of them; otherwise ye have no, re-ward of your Father which is in heaven."

Lay not up for yourselves treas-ties upon earth, where moth and rust dott, corrupt, and where thieves break through and steal; But lay up for yourselves treas-tions in heaven, where neither moth nor rust doth corrupt, and where thieves do not break through not steal: For where your treasure is there thieves do not break through not steal: These words are part of that work end is service words are part of that work in the dott at most first in the lay like in the he image nor tub to tare as frees hand full of meaning to-day as they were tar the time of Christ. And we should the time of the christ. And the christ the christ. And the christ the christ. The christ. And the christ. The christ. And the c Ber where your treasure is there had.
For where your treasure is the also.—Matt, end of the serverse. "This is anne was meaning the material your heart be also.—Matt, end of the serverse." The is anne was meaning the material your heart serverse and yet they have not been and yet they have not been

hear from it in any definite way.' He did not dream of putting any money into God's hand, for Him to use for the spread of Christianity—he had no confidence that funds committed no confidence that funds committed to God's care were in safe hands. His boast was: 'I can honestly say that there is not one of my charities that thas not brought me in a good re-turn, either in the increase of influ-ence, the building up of credit, or the association with substantial people

"One evening he was sitting be-side the library table on which was a pile of newspaper clippings in which his name was mentioned in connec-

65 insisted that all his life had been

massed that all his the had been spent in acts which would supply material for a heavenly mansion. He had built a school house, the wing of an hospital, several churches, etc. But the Guide told him these were all marked and used as a founetc. But the Guide told him these were all marked and used as a foun-dation for his name and mansion in the world. 'Did you not plan them for that?' the Guide asked. 'Were not all these carefully recorded on eredit "here they would add to your created them. They were not foolishly done. 'Verin, you he paid done. 'Verin, you he paid word for them. Would you be paid everything you have sent us.' "When the wretched man asked how he could have done better, and what things were of value there, he was told: 'Only that which is done for the love of doing it. Only those the love of doing it. Only those habors in which the writare of athese labors in which the scalare of those labors in which the scalare of the scalare labors in which the scalare of the scalare of the love labors in which the scalare of these labors in which the scalare of th





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### FARM AND DAIRY

My Friend

"I am the best pal that I ever had I like to be with me. I like to sit and tell myself Things confidentially.

"I often sit and ask me If I shouldn't or I should. And I find that my advice to me always pretty good

"I never got acquainted with Myself till here of late. And I find myself a bully chum I treat me simply great

"I talk with me and walk with me And show me right and wrong.

There are some noble women 

THERE is no happier nor more cozy picture of home life than the little family group gathered about the evening lamp, while some member of it reads aloud. These evening readings can be made educational and develop in many ways, which the eager feminine mind, eager for improvement, will easily devise.

never knew how well myself And me could get along.

'I never try to cheat me I'm as truthful as can be. No matter what may come and go I'm on the square with me.

It's great to know yourself and have A pal that's all your own, o be such company for ycurself You're never left alone.

"You'll try to dodge the masses And you'll find a crowd's a joke. If you only treat yourself as well As you treat other folk.

"I've made a study of myself Compared me with a lot. And I've finally concluded I'm the best friend I've got.

"Just get together with yourself And trust yourself with you. And you'll be surprised how well your-

self Will like you if you do."

-Author unknown.

### . . .

**Kitchen** Comments

Mrs. E. Snyder, Dist. Pres., Women's Institute, Oxford Co., Ont. How often we hear women remark-ing that they would be able to accoming that they would be able to accom-plish so much more than they do if they had proper conveniences in their kitchens. I believe a kitchen can be made very convenient with very little expense if one is capable of managing

expleme if one is capable of managing properly. The first thing I want in my kitch-en is plenty of light. And this is one of the cheapest, conveniences we can have, especially daylight. Some peohave, especially daylight. Some peo-ple claim that they darken their kitchen to keep out the files, but give me the light, sunny kitchen and I will use other methods to extinguish the fiv

It is necessary to have It is necessary to have a largo kitchen on the farm as usually there is mere or less hired help. The kitch-en should be provided with plenty of hard and soft water piped in from outside wells. I would not like water coming from a well underneath a Luilding.

A BOOM IN HOT WEATHER good sized refrigerator is very handy in a kitchen, especially if one has plenty cf ice. Some people prefer a dumb waiter. I do not care for one. (I like a waiter, but not dumb).

South Oxford who, strange to say, have married narrow-minded men. Those whe have Leen so unfortmate, however, should not judge allowed alike but should strike a medium and if they can possibly reform their hus-bands, they will find them conven-iences in their kitchens.

believe one way to keep men in good humor is to "feed the brute." If we

do this they will not consider us as farm servants, but will be willing to

allow us the egg money at least.

#### . . .

### "If You Can't Smile"

"If You CART STMME" In the anteroom of a certain has-pital was once seen a notice posted in a conspicous place for the benaft of visitors, and it read something like this: "Don't speak a discurzaring word here; keep your sad looks for other places, and if you can't amile, don't go in!" What excellent advice for heapital visitors, and why should don't go mi' What excellent advice for hospital visitors, and why should it not be applied to other than those who visit such places? I have sometimes thought that if

we had more ready smiles, more hearty langhs and everyday cheeri-ness in our homes there might be less need of hospital visitors. Give the little ones the bright smiles, fathers Give the little ones the bright smiles, fathers and mothers, though you may net al-ways feel like it; they turn to you has flowers to the smi, and we are failing sadly as parents if we allow them to grow up in a gloomy, fault-finding at-mosphere. A maughty child, when expecting punishment of some kind, in other a completely compared by is often completely conquered by seeing a sweet, forgiving smile on his mother's face, when a scolding or whipping would have cnly hardened him

him. Suppose a phonographic record could, without our knowledge, be made of the exact words and tomes we used during just one day to these in the home, then, in the stillness of the night we could hear that record reproduced?

#### LIFE WORTH LIVING

The old people need the sunny smile and the cheery greeting; they have gotten where they feel, may be, in the way, not of much use, and the future has not the brightness for them that it used to have, but a little attenthat it used to have, but a little atten-tion paid them by someone younger, a little whoughtful kindness and the hopeful thought instilled into them that the best is yet to be, and that they, are still needed in the world, then the dark despondency vanishes and life seems once more worth the living.

About the children once more. a dumb waiter. I do not care for one. (I like a waiter, but not dumb). A large kitchen eabinet is a great teacher will find them better pupis labor saver as one can prepare all because of this, and they and we will January 16, 1913.

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their party for the oven with but little work. I like rather a plain listle work. I like rather a plain help to store their minds with can be be be be be be be be assily polished, (nct an ornament). In a much more profibile way than the sereclications may be to then; ontinually entry be be space more man that conting a store. The vor-man that conting a store. The vor-man that conting a store. The vor-man that conting a store of the store of the store is not a convenience in rank and he round good helpmate and chertin all who are node in a cood nourishing meal. I believe one way to keep men in good by a cheerrul habit of thought; or surely may be what we will in the respect. I believe that it is di-sunny, happy-hearted peeple who as loved the best, who most influence for good. The short and simp obtime. (15) for good. The short and sin obituary "She was always so pla ant" seems to me a beautiful and she who merited it lived a which we might well emulate. Mn C. S. S., Rural New Yorker.



#### ary 16, 1913

ay for it. Let ir minds with on of their home life and in after year may be to the atest p'easure

temperament. who possess suc naturally despon the opposite spin at we will in we that it is ted people who most influence that it is th short and simp a always so pleas a beautiful one ted it lived a life emulate.-Mn w Vorker

Wanted lands and Married itions. Send ful AENT AGENCY



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#### ------**OUR HOME CLUB** \*

#### The Rural Church

I trust that "The Pastor" will not I trust that "The Pastor" will not tilnk that I am trying to infringe on his territory if I write for the Home Club a few cf my ideas on rural odurches. I recently visited a small country community in which there were three churches, Prosbyterian, Baptist and Methodist. As usual when Sunday came around I attended Prestyterian church. I arrived but almost believed I must Into have gotten there early so slim was the congregation. The church could easily have accommodated eight or 10 as many people as were the on making enquiry I found that the attendance that day was an average one; also that the attendance at the



Art MetalCo 253 Stone Road Galt Ontario

#### FARM AND DATRY

other two churches was about the same. All three churches had poor, underpaid ministers. All of them had such scant congregations that all of such seant congregations that all of their efforts had to be devoted merely to the maintaining of their church and minister; little energy or meney was left for missionary or zocial work. All of the people of these three congregations claim to serve the same God and all are working to get to the same Heaven. And yet they are per-mitting little sectarian differences to hold them apart; and these same dif-ferences are slowly strangling the so-

## Heesessessessessessesses

#### "HE church and the farmer

are two of the most im-portant institutions in the world. In fact they are both indispensable. Through the one the bread of life is dispens-ed, and through the action the ed, and through the other the (市市市市市市市市 staff of life -- food for the soul and food for the body .- Rev. Matthew Brown McNutt.

### 

cial and religious life of the community

How much better it would be if all of these three churches were to unite and so make one fair sized congregation, pay a good salary to a good minister and then really "do things." There would be both money and time fer missionary work and what in my opinicn is more important still, the church could be made the socal contre church could be made the socal contre-of the whole community. The church as a social centre in the opinion of your humble "Philosopher" would de much to solves the problem of keep-ing the young people in the country and to maintain their interest in church cat church work

And what about these sectarian dif-And while about these social an and ferences? In a recent copy of "Suc-cessful Farming," the editor tells of how the Presbyterian and Christian churches of Griswold, Iowa, united churches of Graswold, Iowa, united three years ago under the name of The Union Church. They adopted this simple creed, or articles of faith; 1. Christ is the head of the church. 2. The Bible is our rule of faith and practice. 3. Individual interpreta-tion of the Savintures the activities practice. 3. Individual interpreta-tion of the Scriptures, the privilege and duty of all. 4. Christian char-acter the test of followship. 5. Mode of Laptism, if desired, at the discre-tion of the applicant. 6. The union of all follows of Christ of all followers of Christ.

From these two struggling churches From these two strugging churches there arose a strong one of about 200. Other churches in the town did not see fit to unite with the Union, and they still struggle on doing inefficient they still struggle on doing inemcients work in a way that is unsatisfactory even to themselves. I have travelled fairly extensively in my own country of Canada, and I know that the condition I have mentioned is common Why not cast aside our narrow reli why not cast aside our harrow rea-gious creeds and live and work with one another here on earth as we expect to do in Heaven?

"The Philosopher."

### Suggestions for Home

#### Decoration

By the Instructor of Domestic Art, N.D.A.C. To make the home serve its best pur-

pose with reference to home life, compose with reterence to nome me, com-fort and economy, there must be or-derly arrangement and correct selec-tion of furnishings with reference to their beauty and use. To best accom-tive this following mentions must their beauty and use. To best accom-plish this the following cosmitale must be considered: The plan of the busic the exposure of its rooms, whe busic is to be a town or county home, and few of the essential principles to be few of the essential principles to be

concerned in the furnishing of a moderate sized home in the country. There is nothing that causes more discomfort and irritation than a wrong use and combination of color. The eye is a nerve organ easily irri-tated by color and its irritation af-fects the whole Lody. For example, perhaps there is some room in your home that does not suit you. It seems nome that does not suit you. It seems too dark or close or perhaps you can-not describe just what reasons you have for dialiking that particular room. It is not perhaps the color or room. It is not pernaps the color or combination of colors which to you are irritating? Or perhaps it is bad arrangement of furnishings.

POSITION OF ROOM

POSITION OF MOOM The exposure of the room, whether it is north, east, south, or west, should decide the color to be used on walls and floor. A north room which is al-ways rather dark, should be finished in bright, warm colors. Rose pinks, lemon yellows, and yellow tanas with brown as the contrasting color, are ware ward. The floor coverings should The floer coverings should very good. The flore coverings should be much darker than the walls and the ceiling should be much lighter than either. A bit of brightness sheuld be used in the furnishings if possible. Such a room costs no more than one finished in dark, sombre tones and will be a room pleasant to live in.

If the room has a scuth or easterly exposure, the colors used can be co exposure, the colors used can be cool-er to offset the bright light from with-out. Soft blues, pleasing groups and grey-greens are especially good. Grey-green is a very suitable color for a living room as it has a very resting effect upon the eye. Brown, which combines well with green, can be used to good advantage in the furnishing. Plaint walls make a batty headercound to good advantage in the furnhamings. Plain walls make a better background than walls covered with figures which in wall paper are often large and ugly. Cartridge paper, caloimine and alabas-tine shades or paint are suitable wall coverings. Many of the calcimine and coverings. Many or the calcrimine and alabastine cclors come in packages in powder form and should be mixed with water until desired shade is ob-tained; this can be tested by trying on a clean board and allowing to dry. Alabastine shades are preferable to calcimine. Paint is often used and has the advantages of being washable.

KITCHEN, BRIGHT AND CHEERY

RTCHEN, BRIGHT AND CHERRY The kitchen which is really the most important room in the house, as the housewife spends so much of her time there, should be made as bright and cheery as possible giving the idea of absolute cleaniness. White, or blue absolute cleaniness. cheery as possible giving the idea of absolute cleanliness. White, or blue and white are best for walls. Calci-mine or alabastine shades, paint or oil paper are all used. They are all cheap finishes. Oil cleth paper can be washed and makes a most satisfac-

be wasness in tory covering. Bedrooms should be treated with Bedrooms should be treated with tory covering. Bedrooms should be treated with much brighter colors than other rooms of the house. The exposure must be considered but light shades of cool colors are used even in very bright rooms. Light greys with rose color between the combination make a very interesting combination make a very interesting combination for easterly rooms. Inexpensive cro-tonnes, dotted muslins, series and pretty lawns can be used for curtains. Aveid cheap lace. Such curtains can spoil an otherwise delightful room. spoil an otherwise deligned to the second se niture can be transformed by white inture can be transformed by white paint or enamel. Advertisements of enamels can be found in any of the magazines. They are not expensive and can be applied at home. Japan-lac is perhaps one of the best known. It comes in cans of almost any size from 10 cts. to 50 cts. A 10-cent can will just about enamel a bed.

\* The Sewing Room Patterns 10 cents each. Order by number, and size. If for children give age: for adults, give bust measure for waists; and waist measure for ekirts. Address all orders to the Pattern De-

### 



SHIRT WAIST IN MANNISH STYLE, 7583 The plain shirt waist is always need-ed. This year the mannish finish will be exceedingly smart. This waist can be made with or with. be exceedingly smart. This waist can be made with or with-out the pockets and with or without the yoke in the back, and it would be well for each woman to choose the style she finds more becoming, for fashion sanctions both. There is a

This pattern of the waist is cut in sizes or a 34, 36, 38, 40 and 42 inch bust mea-SULTO

BLOUSE CLOSING IN FRONT FOR MISSES

WOMEN, 7593 Girls are sure to welcome this bloume for it includes the newest collar and the latest sleeves. It gives the long shoul-der line also and al-together it is exceed-ingly new and ex. ing to the is accord, ing to the is accord, ing to the index of the continue of the index of the full cover the hands were the hands were the hands were the index or the index of the ing the second the second the second the ing the second the second the second the second the ing the second the second the second the second the ing the second the second the second the second the second the ing the second the second the second the second the second the ing the second the second the second the second the second the ing the second the ingly new and o ceedingly smar

portions and fitted by means of shoulder and under-arm ecams. For the 16 year size, 2 34 yards of mate-rial 37, 3 18 yards 36, 1 34 yards 44 inches wide with 1-2 yard 27 inches wide for the collar and cuffs.

This pattern is cut in sizes for misses of 16 and 18 years

GIRL'S BOX PLAITED NORFOLK DRESS,



Every variation of the Norfolk idea is smart this autumn. Here is a girl's coa-tume combining a Norfolk blouse with a Norfolk blouse with a box plaited skirt and which can be used for both street and home wear. Blue serge with trimming of black slik braid would be handsome or serge could be finish-ed with collar and ed with collar and cuffs of Scotch plaid taffeta to be quite in the height of style.

the height of style. For the 21 year size, and for the size of the size of the size of the size, yards 41 inches wide, and for the size, a

This pattern of the dress is cut in sizes for girls of 10, 12 and 14 years of age.



(19) 67 68 (20)

#### ------**OUR FARMERS' CLUB** Corresponden ce Invited Correspondence Invited

PRINCE EDWARD ISLAND. PRINCE CO., P. E. I. KENSINGTON, Jan. 6. Tho weather han been rainy with cold weather now. There is no anow here yet. Oats are Ze to 40°, hay. 84: pork, 10% for choice buscon; egen 26° builter, 26° to 36°. Cattle are wintering well. The ice is not safe for traffice yet-27°.

"I Want to tell

OU can now buy my big 'George' Shingle. It

needs no skilled labor; each

"George"

shingle locks into the others around. "Use it. Lay it, and your barn will not

bains is the most economical made. It is sold all over the world in 16 x 20

inch size, but from now on, you can

buy it in 'George' Size, 24 x 24

inches to a single shingle, as well.

about why I made it."

You about the New

### FALM AND DAIRY

"Here is the New Way

to Get a Better Barn

have seen an astonishing thing happen in Canada, the land of lumbering. This is it. Lumber is

getting so poor and costly, and labor so high

priced, that you actually save money by using

corrugated iron (galvanized) for your barn walls,

new way to build barns."

and metal shingle for the roof. This is the

"Use my galvanized, corrugated iron in 8 ft. sheets, and my big 'George

Shingle' instead of wood and cedar

on your barn. At one stroke you get a lower cost than a wooden barn painted. This is because I save

you wages in erection, make re-pairs needless, make leaky roof and walls impossible,

CORRUGATED IRON

FOR BARNS AND LARCE

THE PROLA

and walls impossible, make painting unneces-sary, and give you a lightning-proof, fire-proof barn into the bargain.Write me.

9. K. Peda

at Lower Cost"

QUEBEC COMPTON CO., QUE. OOMPTON X Jan 2.-We are having warm, springlike weather, but it makes it hard going the roads, as they are about half bare. Stock is wintering well. Hay is selling around \$10 a ton; butter, Sc; eggs, Sc.-H. G. C.

ONTARIO.

ONTARIO. DISTANLA HEIGHTS, Jan. 3.-The snow being mearly all goone loaves the barley. See Market States and States is small. Has the transfer from the barley. See yoknet. St. beer, From St. See h., hinds, Yise: pork, light, SI:50, heavy, SI:58, Hitter is small pairs, Sac pound prime, WELLINGTON CO., ONT. OUCEPUM, Jan. 4.-There is very good

WELLINGTON CO., ONT. GUELDH, Jan. 4-There is very good alciphing at present, but the wheels server running until Christmas. The feeding at-uation is much easier than it was last winter. There will have to be comony in feeding, however, as hay and corn is be low the average in quantity, and corn generally was none too well matured

There is practically no straw of good There is practically no straw of good feeding quality, but grain turned out well, and it has good weight. All kinds of roots were a good crop, but 50 per cent, of the potato cro<sub>2</sub>, has rotted, from the effects of blight.-C. S. N.

effects of blicht - C. are voted, from the WENTWORTH CO., ONT. KHEKWALL, Jan. B. - For the pass three weeks a leighting 1 has been emplendid al-though we have as yet had very little oold frosty weather. Tareshing was completed before the New Year and all errors yielded Ghristma structure was good further of the Kinds sold very high, turkeys reaching See a lb. retail. Eggs ara now down to 356 to 486 of new-laid. Butter is 366. Hogs are new selling at 848 d. E.O. Cru is 362. C. A. W. buckwhest, 55c, and hay, 82.– C. A. W.

#### OXFORD CO., ONT.

OXFORD CO., ONT. AYR, Jan. 8-We had seighing for both Christmas and New Years, but not very good for heavy teaming. We have had very little severe weather as yet. Feed is very searce. Hay is worth \$16, and straw \$7 a load. Mill feed is high: corn. 56e up:

January 16, 1913.

turnips, 10c a bus., and potatoes 69. bag and higher. Wheat still stops arou

turnips, 10e a buz, and polatom 20. hag and higher. What still stops around 90 conta--0. 8. NORFOLK CO, ONT. MURYOLK CO, ONT. MURYOLK Jan. 7.-The weather is inder yills a misty rain. Municipal de-tions with a misty rain. Municipal de-tions of the state of the state of the the state of the state of the state of the think are the best business men, other vorting a straight party theorem 2000 and while at 80 a ort. Dairy cows are d in which and theory are well abeleted a set of the state of the state of the state fields during the day. Eggs Monther Ellower threshing is finished.-B. B. Clover threshing is finished.-B. B. Clover threshing is finished.-B. B. Clover threshing is finished are having we tad storm, who are good for every thing especially fow!. Turkeys are a be the accellar of the state of the state we and storm and the state of the state these that ever on heavy leak land. Fotatoes are rotting half, separatily fotatoes are rotting half, separatily for the state of the more of the state is very high. There is quite a search we is a good prize, other farm produce. We is a search of the state has been open MIDDLESEX CO, OXT. MUDDLESEX CO, OXT.

is very high.-C. P. MIDDLESEX CO., ONT. APPIN, Jan. 7.-Weather has been one Until recently many cattle and colts has been picking coarse grass. While this heen picking coarse grass. While this not a good practice, yet it provides the agri-a saving of feed. Although the agri-grains were barrested in denoted fro-and cats especially are denoted for and oats especially are denoted for and much coarse grain is being feel. By dently seed oats of good quality will scarce.-C. M. M. Re

ARNER, Jan. 3.-The weather has been exceptionally mild this winter, 20 degree above being the coldest and very little snow. Tobacce growers are busy stray plug the weed and a few lots have been marketed. Prices are somewhat been ping the weed and a few lots have been marketed. Prices are somewhat lowe than has year, the average being alow feed is pientful. Prices are: Hogs. St hay. St0: wheat., Sc: nat., Sc: Uurkey, I.C. alive: chickens, Be.-A. L. A. BRITISH COLUMBIA. MEW DEVALUES INST. B. C.

BRITISH COLUMEIA. NEW WESTNINSTER DIST. B.C. MATSQUI, Dec. 30.-We have open weak er; no frees yet, but plenty of rais Mid roads are atmost impassable. Al Mid roads are atmost inpassable. Al hay are a drug Milking Potatose as er fat basis; sweet eream, 50e a point butter fat basis. Good aliry cows are i atrong demand. Christman marketi. Tw keys sold ag to 35e a point, live weight of the two solds are based on the second attempt of the two solds are but ter, 45e.-H.F. P.

and friends have assembled here the evening, for the purpose of testifying the esteem, in which you are regarded a residents and also to express deep reer-at your removal. We must admit the at your removal. We must admit the this occasion is accompanied with a degra-of sadness for life is full of uncertaintie A number present have been acquainted with Mr. Manhard from boyhood to ma-hood and know nothing but yoodness as kindness and value highly his hospitality genial temperament and integrity, ag feel that you are worthy of the confiders roseed in you.

reposed in you. "For several years your reputation is a judge and breeder of pure bred He steins is without parallel and throug businese transaction you have been is strumental in giving Manhard and vici a prominent position as a

Ity a prominent position as a home high grade stock. "The company realize that it is a pri-lege to bestow honor, where honor is d by your example, and assistance farme have become more interested and enco have become more interested and encour aged in producing stock for sale, and h result has been that purchasers from or broad Dominion, United States, New Zee land and South Africa have been here of different occasion "Under these cir

allow you and Mrs. Manhard to depart (Concluded on page 23)

Lady She is dairy Oanad A. R. O lbs. bu one ye

EL.

A lings Most Orms (12,42

FREI

High Bul ted I a son Calve Also price.

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King Dam.

Da Wet sirent limites No hei Addr H- LOI



The fit veloped that con The or year-old year-olds lbs butt also the 6 junior P. 13,172 If you secure a calf, all nearest 7 days.

EDM ELGIN CO

HAN The

Bull

Edith 111bs. 11 mo Butte These High Write t

**D**. ]

Write my nearest branch and learn "I have written a little book telling how a modern barn is built, and showing its step by step, in pictures. It uses my galvanied, corrugated iron for theorge Shingle, instead of wood. Send aver you this to my nearest branch. It may save you this to my nearest the to-day, friends, and read about a barn that saves cost." 9. W. Pedla "Remember, I make metal culvert, man-gers and troughs, portable buildings and granaries in metal, metal tile, metal walls, ceiling and siding for farm houses, etc. Write me if you need any of these things."

The Pedlar People Limited

VANCOUVER VICTORIA LETHBRIDGE OSHAWA, CAN. 108 Alexander St. 434 Kingston St. 1262 Iat. Ave. 50.

Address nearest Office for "George Shingle," Book No. 152

FOR PEDLAR BOOK, FREE GEORGE SHINGLE

makes a quick-laid metal roof that is good for 100 years, is easy

to lay, and non-corroding. It makes a perfect roof for any building of large size. It is lightning and fire-proof; it

leak. Lay it, and you save days of wages against cedar shingle. Lay it, and you are done with repairs or further attention. Your barn is perfect." "I want to save you money. My roof for

#### ary 16, 1913.

and potatoes 89 stons arous

#### CO., ONT.

7.—The weather rain. Municipal ele quite exciting. Son ose candidates the business men, othe rty ticket. Hogs a Dairy cows are doin Dairy cows are doing rewell sheltered approximately of the passing by run to the passing by Eggs, 30c; butter finished.-B. B. O., ONT. S.-We are having ther. Roads are in a neither wheeling are good for every. I. Turkeys are a utter is from 25.

L Turkeys are utter is from 25. Grain has turned o teh rainy weaths g badly, especial eavy clay land. He s quite a scareity keep up to a g farm produce. Wos

CO., ONT. ther has been oper attle and colts hav rass. While this t it has been to ma t it has been to man lthough the spring in poor condition are discolored from the meal is goo n'is being fed. Er bod quality will b

. ONT weather has been winter, 20 degree est and very little rest are busy strip few lots have been somewhat low rerage being abo wintering well es are: Hogs, wintering well and es are: Hogs, si oats, 30c; turkeys -A. L. A. LUMBIA. ER DIST., B. C.

e have open weath plenty of rain t impassable. Al igh. 65c a Potatoes and a pound, bu eam, 50c a pour dairy cows are i mas market: Tu ound, live weight c; eggs, 50c; bu

## ADDRESS TO

hbors of Mr. and d on the occasio om Manhard t them a present them a present sing their app Manhard. T ed to its capaci entation was as was as follow pany of neighbor mbled here the of testifying the are regarded a press deep regr must admit the fied with a degre of uncertaintie been acquainte boyhood to may but goodness an y his hospitality d integrity, apt of the confidence

ir reputation pure bred Ho el and through have been in nhard and vice 1 88 8 hom

hat it is a pri the former is due to the second second steel and encour for sale, and the chasers from or States, New Zee ve been l

ces we could not thard to depart age 23)

#### January 16, 1913.

HOLSTEINS

ELMDALE DAIRY HOLSTEINS A few Females for sale. Calves, Year-lings or Cows. 50 head to select from. Most of the young stuff sired by Faladin Ormsby (7515). Service bulk, Faladin Ormsby and Highland Calamity Colantha (12,425).

FRED CARR. BOX 115. ST. THOMAS, ONT.

LYNDEN HERD

## High Testing HOLSTEINS For Sale

Bulls, fit for service, one a son of Spot-ted Lady De Kol, 27.36, and all sired by arrws, Julu C. sec, 25.77. Also Bull arrws, Datu C. sec, 25.77. Also Bull price, Write or come and see them S. LEMON, . . . LYNDEN, ONT.

Also, a few Heifers and Calves. Prices

WM. A. RIFE, HESPELER, ONT

Nine miles south of Guelph.

Avondale Stock Farm A. C. HARDY, PROPRIETOR. HERD SIRES 

Address all correspondence to H- LORNE LOGAN, Mgr., BROCKVILLE

### Ourvilla **Holstein Herd**

The first is the own in Gaunda with a second with the own in Gaunda with the own in Gaunda with the own in a 10% jies 304 own. The own is a 10% jies 304 own own in the own is a second with the own in the own in the own in the own in the own is the own in the own in the own is the own is the own in the own is the own i

EDMUND LAIDLAW & SONS. ELGIN COUNTY, AYLMER 'WEST - ONT-



### FARM AND DAIRY MARKET REVIEW AND FORECAST

## 

A review of the Farmers' Market this past week shows an increasingly strong demand for live stock. Wheat is a triffe stronger. Barley has advanced and mill stuffs have declined. Dairy produce is stendy.

The aday, WHEAT Quotations have advanced a triffe since last week. Reports of the erop in the advanced strength of the advance of the advance advanced strength of the advance of the advance were, more than counterfactors of the advance the local exchange onto the Advance of the advance the local exchange onto the Advance of the advance the local exchange onto the Advance of the advance of the advance stronger, at Sic to 20 car lots outside: down to 76 cor poorer grades. COARSE GRAINS The most notable change in the coarse

COARSE GRAINS The most notable change in the coarse grain market has been the 3c advance on barley. Dealers really need the barley, but have been holding back for the farmint have, and not really need the barley, int have, and not really need the barley, ers to market in ing back for the farm over the market in the particular of the theory of the second second second second time yet. Quotations are as follow: four on track: even, 56: pess, 81:10 to 81:60 on track: even to 78:60. At Morireal quota-tions sectors 15:10 to 78:10 to

#### LIVE STOCK

The live stock market is strong. Re-ceipts have not been as liberal as city dealers would wish, and the market is, if anything, higher than it was last week.

Torento, Monday. Jan. 13.—Business is plicasity reviring from the holiday initi are shready a mod volume of spring or orders coming in, these d. So freely are ception, wholesalers take a most optime studies of the spring of the spring of the spring of the orders coming in, these d. So freely are ception, wholesalers take a most optime the old Coming of the spring of the spring of the spring of the order coming in the spring of the spring of the spring of the order coming in the spring of the spring of the spring of the order coming of the spring of the spring of the spring of the order coming to Canada at the capital that is coming to Canada at the result that is coming to Canada at the capital that is coming to Cana

Mutton is in much stronger

"Minton is in much stronger demand, Innihe, being studied at 82.8 (s. 98.66 a. ewt.; light evens, fulled at 82.8 (s. 98.66 a. ewt.; bit and bucks and culls given being state Hoge have been quoted as high as 92.8 f. o. b. country points, but an unusually large supply on the final market of the way supplies the solid weather and only fair supplies have old weather and only first sold sold to 85.3 (fair, 85.80 to 86: slas; shave old sold of states, states from 75 to 812 each. MONTREAL HOG MARKET

to sil and country draws at the beach EXPORT BUTTER AND. BUTTER AND STATES and a state of the second rather more doing in the export cheese irade, several car-loads having been ship-ter and the several states and the several second several several several several being determined not to acceed any loads are down now to mg steadily reduced and are down now to be several several several several several several several several down now to be several several several and the several several several several down now to be several several several on the other side and is being held await



Character HOLS I'ELINS Entire croy of Pure-burde Hostein Ball Cairee and a limited number of Holfers, where three nearest sitte have a limited the state of the state of the state of the R.O.M. at 1 year 11 has butter in F.O.P. at a senior two-rear-old (world's roord), and Jewel Pet Roach De Kol, 280 has butter able. Al (world's roord). Prioss reason-able. Al (world's roord). Prioss reason-able.

WM. A. SHAW, BOX 31, FOXBORO, ONT.

## **REGISTERED HOLSTEINS**

I am overstocked and must sell cows, heifers and young bulls. The milking kind. Bargain for some one.

JAMES MOTHERAL, WOLVERTON, ONT. Drumbo Station

RIVERVIEW HERD Offers Bull Calf, dam 15.99 bhs. fr. 5-year-old; her dam a 27 bb. cow and G. dam a 32 bb. cow. Sire King Isabella Walker, whose dam and her daughter, dam and G. dam of his sire average for the four 30.17 each. Also a few A. B. O. cows.

P. J. SALLEY - LACHINE RAPIDS, QUE



Procees for Clear Out Now before New Years to make room for young stock now coming. \$50 to \$100, according to records of dams and in-dividuality. Write at once for the one you want or come and see them. CENTRE and HILLVIEW HOLSTEINS

P. D. Ede, Oxford Centre, P.O. Ont Long Distance 'Phone, Woodstock Stati



## Offers a splendid son of Rag Apple Korndyke, the young bull we recently sold for \$5,000.00, and out of a 24-pound daughter of Pontiao Korndyke (record made at 4 years). Calf is five months old, nicely marked and straight as a string, and I will cell him. Well worth the money. WRITE ME FOR PRICE, ETC. E. H. DOLLAR, Heuvelton, New York (PRESCOTT)





(21)

69

From 79 to \$12 each. MONTREAL HOG MARKET Montreal, Saturday, Jan. 11.-Tho market for i've hops is structury, with prices un-changed, selected lots selling at \$2.5 to changed. Selected lots selling at \$2.5 to are also firm and in good darend. (real-killed abaticit stock being queeks at \$21.0 to \$13 and contry dressed at \$21 to \$22.5 to \$14 and contry dressed at \$21 to \$25.5 to \$15 and contry dressed at \$25 to \$15 to \$15

## HOLSTEINS Alfalfadale Holsteins

We have for sale 2 Bulls from R. of M. sire and dams. They are from our best cows. Will sell these "worth the money." Also a few tested cows. Let me have your next order.

WILBER C. PROUSE TILLSONBURG ONTARIO

### LYNDALE HOLSTEINS

LINDALE HULSTEINS We are now offering I Bulls, min-months old, one from a daughter of fars Jowel Hangereid Ard, A. R. O. Sabs. His nearest dams, including his dam at J years, average over 27 list, butter each in 7 days. The other is from a grand His J marter kool 2nd's Huter Boy Ard His J marter kool 2nd's Huter Boy Ard each. We also offer females of an Yaka BROWN BROS., - . LYN, ONT.

### **Campbelltown** Holsteins

Two choice Bull Calves for sale. They are nearly white in color, and one is good enough to head any pure bred herd. Write for extended pedigree or come and see the best dozen young calves you ever saw in one stable.

R. J. KELLY -TILLSONBURG, ONT.

Purebred Registered HOLSTEIN CATTLE The Greatest Dairy Breed Asp 7s FREE LLUSTATE BOOLLAT Holstein Friesian Asso., Box 148 Battleboro Vt

#### A RICH ONE FOR YOU

Sale-Holstein Bull, 6 For Sale-Holstein Bull, 6 mon old, strong construinto and evenly marked construction and evenly marked and the same set of the same set of the cord of 2000 Bes. milk, one as a for same set of the same set date Mail. 3 daughters and 2 grand-daugh-date Mail. 3 daughters and 2 grand-daugh-date Mail. 3 daughters and 2 grand-daugh-ters, is 4 per cent. His aire's 2 dama ser-are 2013 lbs, butter in 7 days. Write for extended peaking end price. mos JOHN C. BROWN. STAMFORD, ONT.

#### Forest Ridge Holsteins

Herd headed by the great King Segis letertje. Write us for anything you want in Holsteins

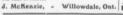
In Holsteins. L. H. LIPSITT, Prop., Straffordville, Ont. Eigin Co. We thank our friends for their liberal support at the consignment sale at Tillson-burg, and solicit their further patronage.

#### The Graceland Farm Holsteins

Herd headed by King Lyons Hengerveld, whose two grand dams average nearly 34 lbs. ELIAS RUBY. · · TAVISTOCK, ONT.

Holstein Dispersion Sale

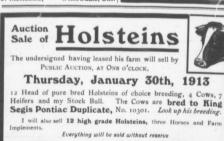
Watch Farm and Dairy for big and of my dispersion sale.-Horses and Implements, Feb. 30th; Holstein Cattle and Tamworths on the 12th of March. Cattle and Tamworths on





## HOLSTEINS

Holsteins may be, see RUSSELL, the live Holstein man.



STANLEY WALKER, Prop. D. C. HEALY Auctioneer FAIRFIELD EAST, LEEDS CO., ONT.

Six Miles North of Brockville on C.P.R. Train stops on farm.

ing shipping instructions from the owners. The market for butter is in a rather mixed state at present. Receipts of fresh-made cranners are not meeting with a ready sale, and the dealers are cutting and really good free to force them out, and really good free to force them out, and really good free to force them out, be bought today at 30e to 27e a point the dealers are firm in their price on fance held butter, and September and October made good are quoted at 30.13c. In fast they could not be sold at less ex-meting with a good downland butter is quoted at from 30e to 31e a pound. ing shipping instructions from the owner

CANADIAN COW MAKING RECORD From a recent letter from G. A. Brethen, forwood, Ont., we quote the following hich will be of much interest to Oanawhich dian Holstein breeders: "Our cow 'Countess' is exceeding both in

when the test of the second of is making to monus atom calf, we are asking after five months in calf. We are asking her for 400 lbs. of milk testing 3.9 per cent for seven days, and she will just about

MR. WALKER'S HOLSTEINS AT AUCTION The pure-bred Holstein cores to be and at auction for Stanley Walker, Fairfield East, Leeds Co., Ont., are all in call to King Begin Ponias Dupleases Holsteins (King Begin Ponias Dupleases Holsteins) are recently sold to head Dr. L. de L. Ber valiated the of high-class Holsteins breeding he is without \$1,500 As for breeding he is without \$1,500 As for breeding he is without \$1,500 As for and \$21.59 lbs. in one year: 17,531 bbs. milk

#### Lakeview Holsteins

LARCYNEW FROMOLENS We have a few Bulls leit that are about eady for service, and must sell now, as ur barns are full. They are sired by bunt Hengerveld Fayne De Kol, or out of home and either by Duchand Colartha Sir fons, and eith by Duchand Colartha Sir fons, and either the site the prices will be dreatly reduced

E. F. OSLER, · · · BRONTE, ONT.

No matter what your needs in

He is always prepared to furnish anything in Holsteins.

Write, or come and inspect

Try an ad. in Farm and Dairy vinced that it will pay you. It costs you only \$1.40 per Inch. You'r ad. in Farm and Dairy will be read by over 16,000 possible buyers of the pure bred stock you want to sell.

time for next issue.

37.21, and 25,318 lbs. milk and 1,271 ter 3721, and 25,232 Hz. milk and 1271 Bos. butter in year. He was sired by King Segis, the built hat his sired more 20th, invoycarold daughters than any other sire. His dam is a 2362 h, daughter of Segis inta, 22.04 Secure water's sale is a rare chance to secure water's sale is a rare chance to secure and the sale of the high-change sire. There are sales if to this high-change sire. There are sales if the sale of the sale of the same reveal to red and a strength and

record cow for seven days and for one year. Pontiac Clothilde De Kol 2nd-but

Would You Like a Buyer

for Your Surplus Stock?

how many breeders and intend-

ing breeders throughout the country are thinking of buying pure bred stock just like the stock you have for sale! Only last week we met a

man, while at an Institute meet-

ing, while at an institute meet-ing, who is thinking of purchas-ing six breeding Holstein fe-males, and a bull. He will use

The man who advertises in

Farm and Dairy gets first call

he gets the good business which is going all the time for

what they have for sale. Mr. Breeder: It will pay you those who let the people know

to have your ad. In Farm and Dairy; have it in these columns

weekly, and tell the people who are wanting to buy, of what you have for sale.

You nave for sale. Fix up an advertisement to-night offering what stock you have for sale. Send it to us by first mail, and you will be in

these as a foundation herd.

He will use

11

It would surprise you to know

yearling heifers, large, straight no square, royally bred and the kind that y suit the most critical buyer. Sale will suit the most critical buyer. Sale will be held, rain or shine, on January 30th, at 1 o'clock, at Mr. Walker's Farm at Fair-field, six miles north of Brockville, C.P.R. train stops on farm. Everything will be cold as Mr. Walker has rented his farm and is going West. See bis advt. this, weak

HOLSTEIN TESTS FROM DECEMBER 15TH TO 31ST

Mature Class. 1. Duchess Star, 557, at 89. dm. 2d.; mille 474.4 lbs.; fat, 16.0 Has., equal to 20.00 lbs. butter. Owner, Estate of I. G. Wyckoff, Tyrrell. Owner, Tyrrell Ont

Tyrrell, Unt. 2. Maysie Inka DeKol, 7227, at by. om. 27d.; milk 422.65 lbs; fat, 14.46 lbs, equal to 18.07 lbs, butter. Owner, J. K. Moore, Peterboro, Ont. Peterboro, Ont.

Weiswin Die Burter, Owner, J. K. Moore, Peterboro, Ont.
3. Dolly Echo Cornucopia, at 5y. 1m. 7d.; milk 404.01 lbs.; fat, 13.69 lbs., equal to 17.11 lbs. butter. Owner, J. K. Moore, Peterboro, Ont.

Petersoro, Ont. Senior Four Year Class. 1. Ladoga. Idalino Yeeman. 11200. at dy. 75... 264, milk. 3642 lbs.; fat, 1422 lbs., equal to 17.77 lbs., butter, Owner, A. E. Hulet, Norwich, Ont. Senior Three Year Class. 1. Jewice Possich 2nd. 1136, at 3y, 8m. 134, i milk, 355.00 lbs.; fat, 11.47 lbs., equal to

#### January 16, 1913.

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14.34 lbs. butter. Owner, A. E. Hulet, Nor-

14.34 non. outlef. Owner, A. E. Hullet, Ner-wich, Ont. 2. Hillview Queen, 14235, at 3y. 7m. 1a. milk, 319.5 Ibs.; fat, 10.87 Ibs., equal to 13.59 Ibs. butter. Owner, Edmund Late law & Sons, Aylmer, Ont.

law & Sons, Aylmer, Ont. Junior Three Year Class. 1. Maysie Helen DeKol, 1268, at 3y. 6m. 26d; milk, 417.81 lbs.; fat, 15.86 lbs., equal to 17.32 lbs. butter. Owner, J. K. Moore. Peterboro, Ont.

Peterboro, Ont. When J. K. Moore, Peterboro, Ont. S. Owner, J. K. Moore, J. May Schwilling Pieterby, 1380, at j., fom. 304.; milk, 3040. lbs.; fat, 1054 lbs.; enual to 1337 lbs. butter. Owner, Cher. mos. C. Keette, Wilsonville, Ont. and J. M. Barnes, 1387, at J. S. Marker, M. S. Marker, 138, 1030 lbs.; equal to 12.97 lbs. butter fat, 1030 lbs.; m. 364, milling Abberger, 1497, 614 JJ. Marker, Varger, 1497, 14

(Continued next week)



Bulls sired by Duke of Avr. son of Champion R.O.P. cow, Prim-rose of Tanglewyld. One from Ø

the best cow I ever had. Tw ready for service, one March, 1912, call Will also spare A FEW YEARLING HEIFERS by Auchenbrain Albert (Imp.) These will be bred to Duke of Ayr.

Also a few **HEIFER CALVES** by Duke of Ayr. Write me for particulars and take this opportunity to add the best to your herd or to start a foundation.

W. W. Ballantyne & Son R. R. No. 3

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Stratford, Ont

nows an freely to I would 1 Holstein that Mr. will soon fortunes Holsteins

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#### ary 16, 1913.

er, A. E. Hulet, Nor.

1235, at 3y. 7m. 1d., 10.87 lbs., equal to ner, Edmund Latd Ont.

Jut. Year Class. ol, 12688, at 3y. 6m. fat, 13.86 lbs., equal Jwner, J. K. Moore,

tertje, 13810, at 3r. Ibs.: fat, 10.54 lbs., itter. Owner, Clar-ville, Ont. Fensen, 12077, at 3y. bs.: fat, 10.38 lbs., iter. Owner, A. E.

car Class. bekerk, 14976, at 2y. lbs.; fat 12.04 lbs., ter. Owner, A. E.

Colantha, 14277; gat Ibs., fat, 10.89 bs., r Owner, Edmund er, Ont. osch. 18664, at 27 bs.; fat, 9.84 lbs., ter. Owner, Clar-

tille, Ont. antha, 14273, at 21

s.; fat, 10.22 lbs., er. Owned by Ed-Aylmer, Ont. xt week)

ELS. Metal ear tag and hogs, - with name owner and numbers, it them, Send a post mple and circular, Bowmanville, Ont

## IRES

### ED Cattle

Berkshire Pige weeks up. Price

WELTON FARM. EVUE. OUF.

### YS Avrshires

testing Record of Bulls and Bull P. dams, and by , a son of Eileen, ilk and 635.48 lbs

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#### RSHIRES

ecial offering of splendid lot of mang Balls, from to to 12 months Write for prices comeand see them. comeand see them. ces reasonable. F. KAY, Raven-le Stock Farm BURG QUEBEC

#### rshires

ring and dairy exes, Imported house

HOWICK, QUE.

## HAMPIONS

uke of Ayr, son D.P. cow, Prim-yld. One from ver had. Two rch, 1912, calf. YEARLING n Albert (Imp.) of Ayr.

CALVES by for particular oundation.

& Son Stratford, Ont

#### January 16, 1913.

#### **HOLSTEIN-FRIESIAN NEWS**

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

wwwwwwwwwww A PROTEST AGAINST HIGH FEES J. Tannahill, White's Station, Que.

A PROTEST AGAINST HIGH FEES J. J. Tambill, White's Bation, Que. I have just received my notice of the shared mosting of the Holstein Freisen the shared most of the share of the Holst gives rolles that he will mark from increase the frees for import certificates. It has been rumored down here that it it he intention to increase them to 860 for a mark and 800 for a mails. I would give a share and 900 for a mails. I would give a share and 900 for a mails. I would give a share and 900 for a mails. I would give a share and 900 for a mails. I would give a share and 900 for a mails. I would give a share and 900 for a mails. I would give a share and 900 for a mails in the laws over given me for having import fees have a rever given me for having in other dened with morely buy our bulk and foundation stock from them. If there is any other reason for raising the fees wo would like same of the movers in this and is and on the man who is thoulang the share would would have any other reason for raising the fees would like same of the movers in this 1 is not the man who is produce the share of the share other share the same shore is the share of the share o

Boundation stock irom toren. Is users as would like soon for railing the fees we would like soon for railing the fees we would like soon for railing the fees we would like man who is looking for a charge ball who goes to the United States. It is not the man who is looking for a charge ball who goes to the United States. It is the dwn the soon the state to unrefase a ball. Why should he be the source of the source of

of us their offspring. I suppose that this matter has two sides and I would like to hear the arguments for increased fees if there are any, other than that it is to make us small breeders buy our foundation stock in Western

buy tomis it is to make us small breeders buy contario. The second second second second second second orbario. The maximum second secon

#### GEO. RICE LEAVING

GEO. RICE LEAVING Holdrein brockers will regret to learn will be biest with health and strength to do your chosen work." Will soon learne and strength to do your chosen work." Records a strength the Meadowirrock here of Holdreina as Blaiston, N. N. N. Rice will be managing partner. We take the for-lowing from his lester: "A field of the milk and cream produced at the milk and cream produced to strength of the milk and cream produced to strength of the milk and strength of the milk and strength to strength of the milk and cream produced to strength of the milk and strength of the milk and strength to strength of the milk and strength of the milk and strength to strength of the milk and strength of the milk and strength to strength of the milk and strength of the milk and strength of the milk strength of the milk and strength of the milk and strength to strength of the milk and strength of the milk and strength of the milk strength of the milk and strength of the milk and strength of the milk strength of the milk and strength of the streng

FARM AND DAIRY

course will be very valuable for our caives. Our separator is run by a turbine water wheel, the power being supplied by town water. To give an idea of the prices that go here-a ow past her use-tends and filled for heef was add re-"Our heef. Has a membrahy in the fame...s Synacise Sale Company."

HOLSTEIN ANNUAL MEETING.

HOLSTEIN ANNUAL MEETING. The thriteth annual meeting of the Holtetin-Friedan Association of Camada will be held in Room 1, Fourth Floor, Ten-ple Building, corner Richmond and Hay attreets, Toronto, on Thursday, February 6th, 1933, at 9-30 o'clock a.m. The execu-tive committee will meet on Wedneedby, February 5th, at 9-30 o'clock a.m., at the Prime floares Hotel.

International and the second secon

## TO CANADIAN HOLSTEIN-FRIESIAN BREEDERS

10 CANADIAN HOLSTEINTRIESIAN INCREMENTATION OF THE ADDRESS OF T

The recent plan suggested by leading The recent plan suggested by leading Holtein Friesian breeders of the Domin-ion to refer all matters of difference he-tween the Canadian and American herd book associations to a joint committee book associations to a joint committee book associations to a joint committee

composed of three members of each organ-ization is a move in the right direction and will be favored by every patriotic breeder on both sides of the line. Prosperity to Canadian and American breeders will follow a peaceful, prompt and practical adjustment of all differences on a patriotic and business basis, in keep-ing with the spirit of the mother country Centennial Peace Jubiles.

PRESENTATION AND ADDRESS TO MR. MANHARD (Concluded from page 20) without demonstrating our kindly feeling and we wish you to acceed this afth as a do we will you to acceed this afth as a be long sparsed to use of the start of the long sparse of the start on the start many kindnesses and hope that you may be long sparsed to endoy it and thus form a bond to link past connections with the present. In conclusion, the company again extend to you and Mrs. Manhard, their sincer which and hope that you may be continually replenshed with (Od's heating and the start of the start of the start of the start of the sincer where you may be you



## SEED OATS FOR SALE

Improved American Banner. Last year, when so many outs were a failure (on ac-count of the extremely dry season), the extremely dry season, the weighing. It had were all good for seed, weighing. It had were all good for seed, weighing, but has your and for surgery bushel I had, and did not advertise as in former years, but this your I am pleason former years, but this your I am pleason best and cleaneet outs I have were of the best and cleaneet outs I have more of the These oats are grown from pedigreed seed, carefully selected, graded and hand weeded for several years, and have given great satisfaction.

Further particulars, samples and prices n enquiry.

A. FORSTER, MARKHAM, ONT.



Farm Lands Average Less Than \$17 Per Acre. Undeveloped tracts sell from \$6 up. Beef, pork, dairying, puiltry, sheep and horses make big profiles. Large returns from that the second truck, cotton, apples, fruits and nuts. Forwers command good local and Northern Markets.

Growers command good local and Northern Marken. The Southern Railway Mohile & Oho Bairoad or Georgia Sa. & Florida Ry. Bernivg of given shis farest conditions for farms and homes. Indentiod caseing everywhere. The Southern Railwant. The public to self use vant you Un in the Southern R. N. V. RICHARDS, Land & Indential Area. Reng OF Shadington, D. N. V. RICHARDS, Land & Indential Area: M. V. RICHARDS, Land & Indential Area: M. V. RICHARDS, Land & Indential Area.

## BREEDERS' DIRECTORY Gardes under this beed inserted at the rate of \$4.00 a line per year. No aut accorded under two lines on for lines than air months, or 26 insertions during weive months. BREEDERS' DIRECTORY

YORKSHIRE FIGS, all ages, either sax, Choice young Boars, fis for service. Also forse of all ages, brod and heary with pig-M. 0. Benfield, Woodstock, Ontario, and Dairy today about 11.

FOR SALE-2 Sons of King Fayne Segis Clothilde, from R. O. P. cows. Also three Olyde Fillies and 3 Stallions, Yearlings. -R M. Holthy. Manchester. Ont.

Todd, Corinth. Ont., R. F. D. No. 1.

CLYDESDALES, Imp. Stallions and Fil-lies. Fresh importations always on hand. Every mare guaranteed in foal. -J. & J. Semple, Milverton, Ont., and Luverne. Minn., U.R.A

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and Dairy for several weeks and be convinced that it will pay you as it pays others in Farm and Dairy.



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## In Badly Calked Horse-But Egyptian Liniment Saved Him

The senson of ky roads and sudden heavy snowfalls, is an animum one for horseowners, because it is one of the sensor abarphod horse to cut himself symptoms A bottle of Douglas' Egyptian Liniment on hand then, may be the means of any ing a valuable animal for you. It not only stops the bleeding at once, but keeps the wound clean and healthy and quickly heals it.

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