

Don't Wait Too Long

To see what Supplies or Machinery will be necessary to equip your dairy or cheese factory for another season. Orders sent in at the last minute are often delayed owing to the rush. Look over your equipment now and send us a list of articles wanted and we will quote you surprisingly low prices for high quality goods. You may need a

New Separator, Churn Cheese Vat, Shafting

or something else just as important. Remember that when dealing with you are dealing with the oldest dairy supply house in Canada, and one that satisfactory business dealings with customers has made the largest in the Dominion. Don't be backward in sending in orders because you think them too large or too small. We haven't been stuck yet on an order because it was too large, and the small ones receive just as careful attention as do the large orders.

Write for Catalogue of Dairy Supplies

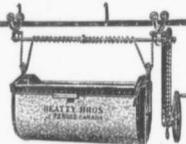
D. Derbyshire & Company

Head Office and Works: BROCKVILLE, ONT.

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WE WANT AGENTS IN A FEW UNREPRESENTED DISTRICTS

A BT Litter Carrier and BT Feed Carrier



should be in your stable:—

1st Because they will save you more hard and disagreeable work than any other machine you can invest your money in.

2nd Because they are the best machines made for handling Litter and Feed.

Let us tell you what they will do and why they are better. We also build Cow Stanchions, Steel Stalls, Hay Carriers, Forks and Slings.

BT stands for Best

BEATTY BROS., FERGUS ONT.

It is desirable to mention the name of this publication when writing to advertisers.

Field Crop Prize Winners at Ottawa

The grain from the Standing Field Crop Competitions exhibited at the Ottawa Winter Fair was of a high standard and created favorable comment among the many farmers from the different sections of Eastern Ontario, who visited the Exhibition. A portion of the grain which won prizes was retained by the Ontario Department of Agriculture to be used for experimental purposes by the Agricultural Specialists in different sections of the Province. The balance is being shipped to the office of the Ontario Government in London, England, to be used for exhibition purposes.

The grain which did not receive prizes was sold by public auction in the Howick Pavilion, Ottawa. Not since the inauguration of these Field Crop Competitions three years ago were such crowds in attendance, the bidding so spirited or such splendid prices realized. The money received for this grain is being forwarded promptly to exhibitors. Mr. Eddy, of Ottawa, acted as judge and appeared to give excellent satisfaction. The following is a list of the prize winners:—1st, Melville Trewin, Blackstock, oats; 2d, T. Cossins, Whiteby, oats; 3rd, John White, Beachburg, oats; 4th, Peter Drummond, Keene, oats; 5th, Andrew McKay, Woodville, oats; 6th, W. J. Barber, Ameliasburg, oats; 7th, Wm. Lewis, Dunsford, oats; 8th, Jas. Leask, Taunton, oats; 9th, Garfield Kennedy, Bobcaygeon, oats; 10th, Thos. Cosh, Bobcaygeon, oats; 1st, David Malcolm, Nestleton, barley.—J. Lockie Wilson.

Economy of Round Dairy Barns

W. J. Fraser, Urbana, Ill.

The planning, construction, and arrangement of farm buildings do not usually receive the thought and study these subjects warrant. How many dairymen have compared a circular, 10-cow barn with the common rectangular building containing the same area? How many understand that the circular structure is much the stronger; that the rectangular form requires 22 per cent. more wall and foundation to enclose the same space; and that the cost of material is from 34 to 38 per cent. more for the rectangular building?

To the writer's knowledge, heretofore there has never been published a carefully figured out, detailed comparison of a properly constructed circular barn with the rectangular barn. The objections that have been raised to round barns have usually been made by people who have not gotten far enough into the subject to really understand the relative merits of the two forms.

Bulletin No. 143 of the Illinois Experiment Station, upon "The Economy of the Round Dairy Barn," has just gone to press. The bulletin is freely illustrated, and offers practical help to dairymen in the matter of barn construction.

It has been found by comparison and experience that the round barn has many advantages over the rectangular form. In order to compare the amount and cost of material in the round and rectangular barns, the figures given are based on the careful, detailed estimates of an expert barn builder. Two comparisons, figured on wood construction throughout, are made, in which round barns 60 feet with both plank and mortar frame rectangular barns containing the same number of square feet of floor space, respectively.

SUMMARY OF BULLETIN NO. 143

1. Round barns would be more generally built if their advantages were known and if the few which have been erected had been rightly constructed.

2. The round dairy barn offers greater convenience in storing, handling and distributing the feed.

3. In the circular construction, much greater strength is secured with less lumber.

4. Detailed account, with cuts showing how the round barn at the university was built.

5. Itemized statement of cost of a 60-foot round barn.

6. Brief descriptions with cuts and plans of several round dairy barns in actual use.

CONCLUSIONS

In summing up the data given in this bulletin, it is obvious that the advantages of the round barn are convenience, strength, and cheapness.

The round barn is more convenient because of the greater ease and fewer steps with which its feed can be gotten to the cows, owing to the central location of the supply, and because of the unobstructed mow, which reduces the labor required in mowing hay.

The circular construction is the strongest because advantage is taken of the lineal strength of the lumber. All exposed surfaces are circular, and withstand greater wind pressure because the wind can get no direct hold, as on the sides or gable ends of a rectangular barn.

In round numbers, rectangular barns require, according to their construction, from 34 to 38 per cent. more in cost of material than round barns of the same area and built of the same grade of material.

Improvements in Dairying

"The average quality of the cheese manufactured has been of an exceptionally high standard. There were fewer rejections of cheese by the buyers on account of bad quality than in any previous year," said Mr. C. P. Huber, Chief Dairy Instructor for Eastern Ontario, in presenting his report at the recent Dairymen's Convention in Belleville.

"The efforts we have been putting forth to put the dairy business on a more substantial and prosperous basis are beginning to show very encouraging results. Among the factorymen we find a greater enthusiasm and confidence in the work than ever before. The new factories that have been erected have an appearance of permanency about them that go to show that the factorymen feel confident that the future of the industry warrants the expenditures they have made.

"The foul smelling, dilapidated factories which used to be so common, will soon be things of the past, as the factorymen are making the required improvements about as quickly as their profits will allow.

Among the patrons, 1070 silos were erected during the past summer alone, and I believe that there were never so many new milk stands, with facilities for cooling the milk, erected in one season. Greater attention is being given to the selection and care of the dairy herds, and everything points to an increase of interest and further improvements on the part of those who furnish the raw material.

"Although less cows were milked last year than during 1908, the average production of milk was higher. In five years I expect that the average production of our cows will show an increase of 2,000 lbs. of milk a year."

The Eleventh Annual Convention of the Canadian Forestry Association for the consideration of forestry problems will be held in the Legislative Buildings, Fredericton, N.B., on Wednesday and Thursday, Feb. 23rd and 24th. It is expected that the President, Mr. Thomas Southworth of Toronto, will preside. Cheap rates have been arranged for with the railroads.