

The "SIMPLEX" Cream Separator

As shown in the illustration herewith, is a convenient height to operate. The supply can be low down, and yet the discharge pipes are high enough up to discharge into standard sized milk cans.

The machine is easily accessible for cleaning. It is substantial and heavy. It will last at most a lifetime.

It will pay you to know all about the "Simplex." There are exclusive features on the "Simplex," not to be had on any other separator.

In addition to its mechanical construction, which is all to the good in your favor, we are sure that there is no manufacturer making a higher grade of material than we use in the "Simplex" separators. Take for instance the bearings in Berlin Germany, cast more than all the count of the large number that we import, single orders covering over 10,000 bearings at a time, we are able to furnish them as extras at a reasonable price, so that the cost of replacement, if needed, is not more than in other machines.

This steel is subjected to a special heat treatment, whereby it has an elastic limit three times as high as ordinary steel. The same is true of the larger open gear. It is made of Vanadium steel, or nickel steel, of the same kind that is used in the transmission gears in the best grade of automobiles. We believe we are the first to use these special alloy steels in cream separator construction.

The "Simplex," as far as we are able to judge, represents a higher manufacturer's cost than any other separator on the market. The two which are manufactured in Berlin Germany, cost more than all the count of the large number that we import, single orders covering over 10,000 bearings at a time, we are able to furnish them as extras at a reasonable price, so that the cost of replacement, if needed, is not more than in other machines.

We believe that "the proof of the pudding is in the eating."

We allow you to try out the "SIMPLEX" on your own farm.

Write us today for free illustrated literature about the "Simplex." Arrange to have a "Simplex" Cream Separator on your farm. Then you will make sure that the "Simplex" is the best cream separator for you.

Ed. Derbyshire & Co.

Head Office and Works: BROCKVILLE, ONT.

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

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This Engine Runs on Coal Oil

Every farmer can afford an Ellis Coal Oil Engine. They give far more power from coal oil than other engines do from gasoline. They are safe, as well as cheap; no danger of explosion or fire.

Three moving parts; nothing to get out of repair. Any one can run it without experience. Thousands of satisfied customers use these engines to grind feed, fill silos, run wood pump, thresh, run cream separators, and do dozens of other jobs. Cheaper than horses or hired men. Fill up the tanks and start it running, and no further attention is necessary; it will run till you stop it.

FREE TRIAL FOR 30 DAYS. You don't have to take our word for it. We'll send an engine anywhere in Canada on "Thirty Days' Free Trial." We furnish full instructions for loading on your work. If it does not suit you send it back at our expense. We pay freight and duty to get it to you and we'll pay to get it back if you don't want it.

Absolutely guaranteed for 18 years. Write for free catalog and opinions of satisfied users. Special offer in new territory.

3 to 15 horse-power
We pay Duty and Freight

Ellis Engine Co., 90 Mullett Street
DETROIT, MICH

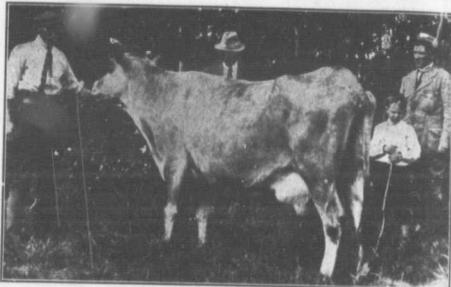
A Remarkable Jersey Cow

F. T. Fisher, Edmonton, Alta. Will an improved type of Jersey be developed? That is the question that has recently received considerable discussion among some of the dairy farmers and stockmen in Central Alberta; and while not inclined to place themselves positively on record with- out further observation and a longer series of tests, many of them are inclined to the opinion that under the wonderfully favorable climatic conditions prevailing in Central Alberta, and the richness of its pasture, there will eventually be developed a type of Jersey which will be a distinct improvement on the original stock as found on the Island that gives its name to the breed. The discussion arose in connection with the remarkable record made by the wonderful cow Rosalind of Old Basing in a three year official test recently completed.

quence of his winning the British Empire championship, stock men present remarked of Rosalind, and similarly of other Jerseys raised here, that she is bigger, heavier, and a better milker, than her imported dam. Her progeny also promise to be fully up to the Rosalind standard. It has long been recognized that the Alberta beef animal on wild pasture, and rough feed in the open in winter, will turn off at greater weights than any other animal in the world under similar conditions. There would therefore seem to be nothing unreasonable in the theory of the dairymen that the same natural conditions will produce world-beating results in the dairy breeds.

Tobacco Growing in Ontario

In the south-western peninsula of the province of Ontario tobacco growing has become a very profitable branch of farming. In order to place the industry on a substantial footing



The Greatest Jersey Producer in the British Empire

"Rosalind of Basing," the cow here illustrated, has a better record of 18,818 lbs. in a year, which has not been equalled by any other Jersey cow in the British Empire. She was bred in Red Deer and is regarded by the citizens of that district as a great advertisement on the dairy possibilities of Central Alberta. Her owner, Mr. C. A. Julian-Sharman, values her products of three years at \$1,607.50 and her three calves at \$2,000. Surely a profitable cow.

Rosalind of Old Basing is the property of Mr. C. A. Julian-Sharman, a farmer near Red Deer, Alberta, by whom she was raised. In the three year test the following results were recorded:

Highest milk yield in one day, 52 lbs.
Highest milk yield in one month, 1,474 lbs.
Highest milk yield in one year, 16,700 lbs.

Average butter test ... 5.16 per cent.
Butter in one year 1,631.89 lbs.
But in three years 2,604.39 lbs.
Milk in three years 37,847 1/2 lbs.
Actual returns for cream and skim milk in three years \$1,007.50

This establishes a new record for butter production, and places Rosalind of Old Basing in the proud position of champion Jersey producer of the British Empire. Besides the very desirable revenue from the sale of Rosalind's production of milk as shown above, she has produced three heifer calves, for which her owner has been offered and has refused, \$2,000. All of which would appear to indicate that Rosalind of Old Basing is a reasonably profitable occupation.

HER OWNER A PRACTICAL FARMER

In considering this record it must be remembered that Mr. Sharman is not a wealthy experimenter who could afford to obtain results at any cost. Rosalind's owner is a farmer of moderate means, whose sole source of income is his farm, and Rosalind, with the rest of the herd, was handled solely for profits, rather than for championship honors. The cow under test receiving exactly the same ration and treatment as the rest of the herd.

At the banquet recently given by the Board of Trade of Red Deer, to do honor to Mr. Sharman, in conse-

quence of his winning the British Empire championship, stock men present remarked of Rosalind, and similarly of other Jerseys raised here, that she is bigger, heavier, and a better milker, than her imported dam. Her progeny also promise to be fully up to the Rosalind standard. It has long been recognized that the Alberta beef animal on wild pasture, and rough feed in the open in winter, will turn off at greater weights than any other animal in the world under similar conditions. There would therefore seem to be nothing unreasonable in the theory of the dairymen that the same natural conditions will produce world-beating results in the dairy breeds.

The Dominion Department of Agriculture some three years ago established an Experimental Station at Harrow, in the county of Essex. The station is in charge of Mr. W. A. Barnett, B.S.A., who has prepared a report of the work carried on under his supervision in 1911.

The station, which comprises 38 1/2 acres, is carried on to some extent as an ordinary farm. Last year 13 acres were devoted to tobacco experiments, in which nine of improved Burley and six of Warrne varieties were dealt with. Tests were made with different kinds of beds, methods of curing, various combinations of fertilizers, seed selection, combating the tobacco worm, etc.

"Referring to the returns from bright tobacco as compared with Burley, Mr. Barnett concludes that white Burley is preferable for the average farmer to grow. During the past three years the average price secured for this tobacco has been 25 cents a pound or an average gross return of \$250 an acre.

This report, which is designated Tobacco Bulletin A 14, is available to all who apply for it to the Publications Branch, Department of Agriculture, Ottawa, Ont.

The annual convention of the Ontario Bee-keepers Association will be held in the York Council Chambers, Adelaide St., Toronto, November 13th to 15th. The Executive promise a better programme than has ever been prepared before. The interests of the beginner are looked after to a certain extent, but the programme is specially calculated to give information to more advanced bee keepers in order to enable them to make the best success of their chosen profession.

Issued
Each Week

Vol. XXXI.

A SUCCESS
Farmers near St. Thomas

N the vicinity of 500 240 farmers possible for farmer success of a cooperation. For five years operating the St. Thomas has attended their business was really a Mr. W. H. Moody an ago the company was business, with Mr. M. director, a position which has attended a large measure to the management.

The company, as many difficulties to the shareholders, 95 per cent. When the company tended to encourage holders to sell their holding them enough to represent the commission the drovers by the past was tried for a while success as it aroused those who fought the company gave up their commission night pay as high price the company. At first next, the company paid their hogs, the extra drover's commission on competition of the dro company to give up their it was found that a co



The St. Thomas Packing Co. also farmers' success with large and long cut even a history of this farm