

THEY THINK You Don't Know

Any one who thinks he can hide from you the fact that disk filled or other common cream separators are complicated and hardest to clean must think you never use your eyes. Any one who tries to convince you that disks or other contraptions are necessary in a modern separator must think you know nothing of facts.

Sharples Dairy Tubular Cream Separators

have neither disks nor other contraptions, yet produce at least twice the skimming force, skim at least twice as clean, wash many times easier, and wear a good many years longer than common, complicated separators.

That is why farmers all over the world call Tubulars "The World's Best", and it explains why Tubular sales exceed most, if not all, others combined and why Tubulars probably replace more common separators than any one maker of such machines sells. The manufacturing industries. Write for Catalogue No. 193

Sharples Dairy Tubular. The World's Best.

30 yrs

THE SHARPLES SEPARATOR CO.
TORONTO, ONT. WINNIPEG, MAN.

The Maples Holstein Herd

of Record-of-Merit cows, headed by King Posch De Kol. Nothing for sale at present except choice bull calves from Record-of-Merit cows. Also one or two good cows.

WALBURN RIVERS, FOLDEN'S, ONTARIO

High-class Holsteins—Head of herd, Pietje Korndyke Lad. Two nearest dams average 26.09 lbs. butter in 7 days. His sire's dam, Pietje 22nd, has a record of 31.62 lbs. butter in 7 days. Present offering: now booking orders for bull calves sired by above sire and out of A. R. O. dams.

WM. C. STEVENS, PHILLIPSVILLE, ONT.

HOLSTEINS AND YORKSHIRES

R. HONEY, Brickley, Ont.
Northumberland Co.



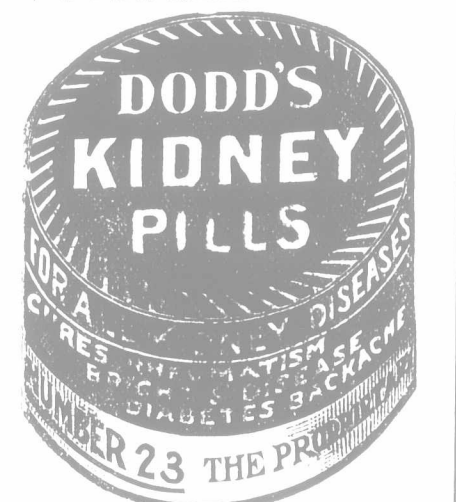
Offers a choice lot of boars and sows ready to mate; also orders taken for the coming crop of calves from Prince Posh Calamity Bleske and R.O.P. cows.

DON'T

Buy a HOLSTEIN BULL till you get my prices on choice goods from thirteen months down, from best producing strains. "Fairview Stock Farm." FRED ABBOTT, Harrietsville, Ont.

A very subdued-looking boy of about thirteen years, with a long scratch on his nose, and an air of general dejection, came to his teacher in a public school the other day and handed her a note before taking his seat. The note read as follows:

"Miss B—: Please excuse James for not being there yesterday. He played truant, but I guess you don't need to lick him for it, as the boy he played truant with an' him fell out, an' the boy licked him, an' a man they sassed caught him an' licked him, an' the driver of a sled they hung on to licked him also. Then his pa licked him, an' I had to give him another one for sassing me for telling his pa, so you need not lick him till next time. I guess he thinks he better keep in school hereafter."



BOOK REVIEW.

TWO NEW BOOKS ON DAIRYING.

"Questions and Answers on Buttermaking," "Questions and Answers on Milk and Milk-testing," the former by Dr. C. A. Publow, and the latter by Publow & Troy, both published by the Orange Judd Co., New York, are the latest aspirants for a place in English dairy literature. Until we have effective criticism of books aspiring for a permanent place in dairy libraries, the books are likely to be more or less "wishy-washy" in character. Most of the reviews given of agricultural and dairy books are of the "namby-pamby" order that make a reader "tired," to use a more or less slangy expression.

Criticism may be of two kinds—constructive or destructive. A combination of these two is probably best where a work merits healthy criticism.

The author of the work on Buttermaking is a Canadian, who was formerly a Cheese Instructor in Eastern Ontario, but is now Assistant Professor of Dairy Industry in Cornell University, New York, U. S. A.

The titles of the books suggest a society column in a fashion or department journal, but the matter is better than the title, as it deals largely with facts which the dairy student meets with every day. Both books open in the same way, and with exactly the same matter relating to the composition of cow's milk. This suggests lack of material, but may be justified when one considers the nature of the books. The average percentage of fat in cow's milk is given as 4, which is rather high for Canadian milk, and above the standard set by any of the States. The percentage of the various fats which go to make up milk-fat is given in both works. Fleischmann says it is practically impossible to separate these fats.

Both works contain exactly the same matter with reference to moisture tests, and in other parts there is considerable overlapping. The definition of "over-run" is rather weak and indefinite. We notice that a list of the best pasteurizers and combined churns and workers is given, which, by the way, seems to combine nearly all on the market, but a similar list of the cream separators is not attempted. The separator manufacturers will surely feel slighted. As an indication of the difficulties in the method of treating a subject like dairying according to the question-and-answer plan, note p. 20 in answer to the question, "What are the important features in a pasteurizing machine?" Among the "features" is mentioned, "Cost." We hardly see how "Cost" can be a "feature" of a pasteurizer.

There are several other "slips" of a similar nature, which are due to the method of treating the subject, and after carefully looking over the work, we are doubtful of its value as a method of instruction in buttermaking. The subject and the method do not harmonize very well. The last topic, sewage disposal, appears to be tacked on as an afterthought.

We do not know the order in which the books were written, but the one relating to milk and milk-testing appears to be the better work. One reason for this is that the subject lends itself to the method much more effectively, and the author appears to be more at home in this branch of dairying. Pope laid down the principle that there must be a relation between the sound and the sense in poetry. His well-known lines,

"When Ajax strives some rock's vast weight to throw,
The line, too, labors, and the words move slow,"

are one of the best examples of his dictum. Scientific prose must also conform to well-known laws of writing, among which clearness is the most important principle. This principle is violated on p. 5, where Prof. Sterch is quoted as saying that the envelope surrounding fat-globules "is composed of 94 per cent. water and 61 per cent. proteins." This is like the statement of an agent who called at my office yesterday selling a certain article which contained "106 per cent. of effective compounds."

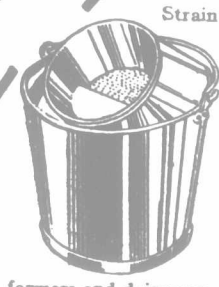
Canadian readers need to bear in mind that the argument on p. 23 relates to (Continued on page 794.)

MAKE DAIRYING PAY BETTER

Strain your milk as it leaves the cow, not afterwards, and see that you strain milk only, not milk, dirt and bacteria. You can make pure milk an absolute certainty by using the

STERILAC SANITARY PAIL

Note its clever construction. The funnel is detachable. As the milk falls on the slant towards the milk, it passes direct to the strainer into the pail. All dirt falling in to the opening is caught on a deep metal shelf inside the funnel—not on the strainer—thus milk and dirt never come in contact. You can use ordinary cheese-cloth for straining. Capacity 14 quarts, no joints on the inside; it is easily cleaned. Price, \$2.50. Used by all up-to-date farmers and dairymen.



PURITY MILK COOLER-AERATOR

Cools milk rapidly, within 2 degrees of running ice water, well or spring water, whichever you use. Rapid cooling and thorough aeration ensures milk keeping sweet for 48 hours and destroys odors. The milk flows through the perforated pail on top on to the corrugated body which ensures the milk running down slowly so that it is perfectly cool when it reaches the retainer pan. There are outlets at each side of this pan. This cooler is well made, has soldered seams, is easy to clean and simple to operate. Will last for years. Price, \$6.50. Guaranteed as represented. Write for large catalogue of dairy supplies, FREE.

W. A. DRUMMOND & Co., 175 King St. E., Toronto

MERTON LODGE HOLSTEINS.



I am offering my entire crop of spring calves, sired by a son of De Kol the 2nd Butter Boy the 3rd. I also offer a few young cows and heifers sired by a son of Hengerveld De Kol, the greatest sire of the breed; also a number of high-grade calves sired by our imported Bull, Butter Boy Calamity.

W. W. GEORGE.

Crampton, Ont.

CENTRE AND HILLVIEW Holsteins

140 head, 45 females in R. O. M. Herd headed by Brookbank Butter Baron, Bonheur Statesman and Sir Sadie Cornucopia Clothide. The average of dam, sire's dam and granddam is: milk in 7 days, 66.85 lbs.; butter in 7 days, 30.58 lbs. We have bulls born Mar., '09, to two weeks old for sale, from Record-of-Merit dams. Long-distance telephone. P. D. Eds, Oxford Centre, Ont. Woodstock Sta.

HOMWOOD HOLSTEINS, headed

by Grace Fayne 2nd a Sir Colantha, one of the richest bred bulls of the day. (The home of Lady Aaggie De Kol, sweepstake cow at Guelph Winter Fair, '08-'09.) Official record 27 1/4 lbs. of butter in 7 days. Also Queen's Butter Baroness, champion 3-year-old of Canada; official record 23.66 lbs. of butter in 7 days; and several others with records of over 20 lbs. of butter in 7 days. Only a few choice bull calves for sale. M. L. & M. H. Haley, Springfield, Ont.

Holstein - Friesians

FAIRVIEW FARM offers young bulls, sired by Pontiac Korndyke and Rag Apple Korndyke, without question the two greatest Korndyke bulls in the world, and out of cows with large A. R. O. records and testing 4% fat. Come and see them, or write.

E. H. DOLLAR, Heuvelton, N. Y.
Near Prescott.

LAKEVIEW HOLSTEINS!

Herd headed by Count Hengerveld Fayne De Kol, whose sire, Pietertje Hengerveld Count De Kol, is the sire of De Kol Creamelle, the world's champion milk cow, with 119 lbs. milk in 1 day, 780 lbs. in 7 days, 10,017 lbs. in 100 days. He has five daughters that average 30 lbs. in 7 days, and 120 lbs. in 30 days. His dam, Grace Fayne 2nd, 26 30 lbs. in 7 days, is dam of Grace Fayne 2nd's Homestead with the following records:

7 days, 4 years old,	29.16 lbs.	% fat 4.12	Bull
30 " 4 " "	119.22 "	" 4.09	calves
7 " 5 " "	30.55 "	" 4.37	for
7 " 6 " "	35.55 "	" 5.42	sale.

E. F. OSLER
BRONTE, ONTARIO.

Elmwood Holsteins—Choice-bred calves for April and May delivery. Sired by imported Ykema Sir Posh and Pontiac Sarcastic, a grandson of Sarcastic Lad. Registered. Delivered. Express paid. Safe delivery guaranteed. E. D. GEORGE & SONS, PUTNAM, ONT.



Silver Creek Holsteins—Fayne Segie Clothide, his 7 nearest dams' records average 27 lbs. For sale are young stock of both sexes, sired by bull with high official backing and out of Record cows.

A. H. TEEPLE, Currie's P.O., Ont., Woodstock, Sta. Phone connection.



Trout Run Ayrshires—My present offering is several heifers and cows in milk, a number of heifer calves, 3 young bulls fit for service, one of them from imp. sire and dam; dam's record 45 lbs. a day. My herd are heavy producers and critically selected. Am also offering 20 Toulouse geese at \$4 and \$5 a pair.

WM. THORN, Lynedoch, Ont.

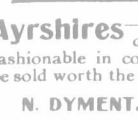
When Writing Mention This Paper.



Ayrshires and Yorkshires!

We still have a few choice individuals of almost any age on hand in Ayrshires, and are always ready to price any. Other breeders in this section. Bull calves from Record of Performance cows. A few young Yorkshires on hand.

ALEX. HUME & CO., MENIE, ONT.



Ayrshires—Four young bulls, all bred on dairy lines, out of famous dams; fashionable in color, as well as in breeding. Will be sold worth the money. Females all ages.

N. DYMENT, Clappison's Corners, Ont.

Stonehouse Ayrshires

36 head to select from. All imported or out of imported sire and dam. For sale: females of all ages. Am now booking orders for bull calves.

Hector Gordon, Howick, Quebec.



Springbank Ayrshires!

Canada's leading herd of Record-of-Performance Ayrshires. Big records, big cattle, big udders and big teats. Over 50 head to select from; 13 yearling heifers, 7 yearling calves. All in good condition. A. S. TURNER, RYCKMAN'S CORNERS, ONT. 3 Miles South of Hamilton.

Springhill Ayrshires

We can please you in all ages and sexes

Robt. Hunter & Sons, Maxville, Ont.



STOCKWOOD AYRSHIRES

Are producers of milk testing high in butter-fat. In my herd I have a range of selection, either imp. or Canadian-bred, of either young bulls or females, unexcelled in Canada. Price and terms to suit purchaser. D. M. WATT, ST. LOUIS STA., QUE.