

every hundred tests). The first cost of the complete outfit may be gathered from the following three sets of catalogue prices :

Machines made by Cornish, Curtis & Greene, of Fort Atkinson, Wis., for which John S. Pearce & Co., of London, are Ontario agents.

4 bottle test machine.....	\$14 00
10 " " "	20 00
15 " " "	22 00
20 " " "	25 00
30 " " "	29 00

The Beimling machine used by the Vermont Experiment Station, handled by the Creamery Package Manufacturing Co., 20 N. Clark St., Chicago, Ill.

3 bottle test machine.....	\$20 00
6 " " "	25 00
12 " " "	32 00
24 " " "	50 00

Machines made by D. H. Roe & Co., 54 North Clinton St., Chicago, Ill.

4 bottle test machine.....	\$8 00
8 " " "	10 00
12 " " "	14 00
24 " " "	20 00
30 " " "	40 00
60 " " "	50 00

I understand that some other United States dealers are handling machines, but we have not seen their prices. Our Canadian dairy supply companies should be in a position either to manufacture or to handle for this province some of these machines.

4. ACCURACY OF RESULTS. The first experimenter made by us was to test the agreement of the bottles with one another. They read as follows on a sample of milk :

Seven bottles gave.....	2.7 per cent. fat.
Three bottles gave.....	2.8 " " "

A gravimetric analysis made in duplicate by the asbestos method gave us for the same milk 2.65 and 2.68 per cent. fat. We have since tested the bottles and also those of the Beimling machine, as follows :

All bottles { C., C. & G. machine	3.36 per cent. fat.
{ Beimling machine	3.31 " " "

An advantage of this method is that sour milk can be handled quite easily. We tested a sample of milk fresh and then again after two days standing.

Fresh milk by machine gave.....	3.6 per cent. fat.
Same milk very sour gave.....	3.5 " " "

For the analysis of skim milk and buttermilk, bottles can be obtained that give more delicate readings. We made four com-