



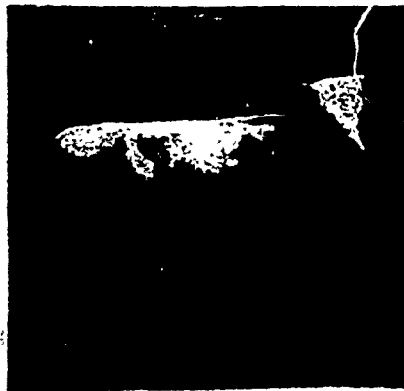
Ayrshire Bull, Matchless 2d, No 8250, C A R.
ONE OF THE PRIZE WINNERS AT THE HALIFAX (N B) EXHIBITION THIS YEAR.

The Dairy.

AYRSHIRES THAT WIN.

"Some of the finest Ayrshire cattle owned in Nova Scotia are the property of Fred S. Black, an enterprising farmer and dairyman of Cumberland Co. The head of the herd is Matchless 2d, No 8250, C A R. That he is of magnificent proportions and almost perfect conformation the illustration above indicates. He is a grandson of Nellie Oxbourne of World's fair fame, winner of second premium as calf at the St John, N B, fair in '97, and first premium and diploma as best Ayrshire bull of any age at the H. W. N. S. show of the same year. He was also awarded first premiums and diploma at the same shows in 1898, and first premium at same fairs last year. Matchless 2d is sire of the first prize bull and heifer calves exhibited at Halifax last year; also of four individuals of first prize breeders young herd at the same fair; also second prize bull calf and first prize heifer calf at St John in 1899, and four individuals of the first prize breeders young herd at same fair.

The young bull, portrayed herewith, is Matchless 2d's son, mentioned above. He headed the young herd, being 10 mos old at time of exhibition. The



MATCHLESS 2D'S CALF.

cow, Jenny, of Lamieston, 3 yr old, imported from Scotland in the spring of 1899, is typical of one of Scotland's best cows from the Ayrshire district. The animals portrayed are largely white in color, as this color fashion among Ayrshires now predominates. These animals are being shown at the provincial fairs this fall.

RAISING FALL DAIRY CALVES.

When the calf is from 15 to 20 days old, it will often nibble a little clover hay, which should be tied in the pen with the heads down, or placed in a small manger or crib, where the calf will have access to it. When 21 days old, besides the clover hay, it may be fed a little whole oats or a little bran. The former is far preferable. Feed this to the calf until it is four months old, increasing the skim milk slightly and giving it all it wants of whole oats or

bran. Salt should be sprinkled on the grain feed, and the calf should have access to clean, pure water. After the calf is four months old, feed it ensilage in limited quantities, keeping it still to



AYRSHIRE COW IMPORTED LAST YEAR.

the oats, bran and milk feed, until it is eight months old. Never feed it corn meal or timothy hay in that time.

Be careful never to over-feed the calf. There are more calves killed by over-feeding than by under-feeding. See that your calf stable has plenty of ventilation and light and that your calves are well housed in the winter time. Do not pamper them, but keep them growing and thrifty. As they begin to eat the coarser foods, corn fodder, shredded, is a very good food.

In feeding skim milk it must always be fed at a uniform temperature of from 56 to 58 degrees. A dairy thermometer should always be used. Never allow the calf to run wildly about after feeding, as it will upset the bowels and cause scouring. When the calf is eight months old, it can be weaned from skim milk, and put to pasture, or fed on clover, roots, ensilage, ground oats or bran. The object to be kept steadily in view is to obtain growth of muscle and skin, but never fat.

Avoid Sudden Changes—The Manhattan creamery received milk Feb 3, which according to the usual calculations would make 258 lbs of butter; but when the cream was separated and churned it yielded only 227 lbs, or over 14 per cent short of the usual run. In looking for the cause it was noted that on Feb 1 the weather turned cold and it snowed for two days. This goes to show that dairy cows especially should be provided with conditions as nearly uniform as possible. Any sudden change in temperature, feed or care may not permanently affect the percentage of butter fat in milk, but it will cause a temporary change both in quantity and quality, and may in a large measure account for the fluctuations in the butter fat test experienced at so many of our creameries.—[D. H. Otis, Kansas.]

CLOTTED MILK—C. I. P. has a cow that gives clotted milk at times. This trouble is caused by a slight inflammation of the glands of the udder. Give 1 1/2 lbs epsom salts and 1 oz ginger at a dose dissolved in water. After this operation give 1/2 oz mixture of potassium at a dose twice a day for a week in mash.

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