

the mean temperature of January and February being 10.5 and 9.2 respectively, above the average. The mean temperatures the five months the cattle were on feed were as follows: December 13.3; January, 7.3; February, 7.4; March, 10.0; April, 39.0.

RESULTS.

	Outside.	Inside.
Number of steers in lot.....	8	5
First weight, gross.....	8,854 lbs.	5,695 lbs.
" average.....	1,106 "	1,139 "
Finished weight, gross.....	10,630 "	6,950 "
" average.....	1,328 "	1,390 "
Total gain in 138 days.....	1,776 "	1,255 "
Average gain per steer.....	234 "	251 "
Daily gain per steer.....	1.6 "	1.81 "
lot.....	12.8 "	9.05 "
Gross cost of feed.....	\$100 76	\$77 95
Cost of 100 lbs. gain.....	\$ 5 67	\$ 6 20
Cost of steers—		
8,848 lbs. at 3½c.....	\$276 50	
5,695 lbs. at 3½c.....		\$177 97
Total cost to produce beef.....	\$377 26	\$255 92
Sold—14,135 lbs. at 4½c., less 4 per cent.....	\$433 71	
6,950 lbs. at 4½c., less 4 per cent.....		\$283 56
Profit on lot.....	\$ 56 45	\$ 27 64
Net profit per steer.....	\$ 7 05	\$ 5 52
Average buying price per steer.....	\$ 34 56	\$ 35 59
Average selling price per steer.....	\$ 54 21	\$ 56 71
Average increase in value.....	\$ 19 65	\$ 21 12
Average cost of feed per steer.....	\$ 12 59	\$ 15 59
Amount of meal eaten by lot.....	8,892 lbs.	5,390 lbs.
Amount of straw.....	8 tons	5,680 "
Amount of hay.....	6 "	2,840 "
Amount of millet.....	1 "	
Amount of ensilage and roots.....		25,850 "
Amount of corn fodder..	1 ton	

RESULTS IN 1909.

Forty head of steers rising three years, were bought at \$3.25 per hundred, and the test commenced on December 7th, 1908. They weighed about 150 pounds per head lighter than those fed the year before, averaging only 968 lbs. and a number were of poor conformation. The steers were divided into three lots, four were fed loose in a box stall, sixteen were tied in the stable and twenty were fed outside.

The outside lot was fed oat straw for roughage during most of the period, with some hay during the last six weeks. Those in the loose box were fed exactly the same as those outside. Those tied in the stable were fed silage, a few roots, straw and chopped grain, the same as the year before.

The grain ration was light to begin with, being four pounds per day, one half bran and one half barley and oat chop. This amount of grain was gradually increased until, by the first of April, they were receiving twelve pounds per day.

This amount was continued until they were sold on May 10th, 1909.

The following prices were charged for feed:

	Per ton.
Grain.....	\$20 00
Bran.....	18 00
Ground Flax.....	30 00
Straw.....	1 00
Prairie Hay.....	4 00
Alfalfa.....	6 00
Ensilage.....	2 00
Oat Sheaves.....	3 00