Total allowance for milk

1890

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of the cance ounds outter 21.31

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a 7.3

each water

In eleven trials where the milk was set in the Cooley creamer with ice water, at a temperature of 44°, the average per cent. of fatin the skim milk was..... In eleven trials where milk was diluted with an equal weight of cold water and set in the open air, the average per cent. of fat in the skim milk was. In six trials where milk was diluted with 20 to 50 per cent. of cold water, the average per cent. of fat in the skim milk was. MILK RECORD OF SECOND PRIZE HERD In ten trials where milk was diluted with 10 to 100 per cent. of its weight of hot water, the average per cent. of fat in the skim milk was 1.11 (Devons) owned by Mr. Samuel Harper, of Cobourg. Rose of Cobourg, calved Jan. 2nd, 1890; served May 10th, 1890. In two trials where milk was set in deep cans without dilution, in running water at 60°-63°, the average per cent. of fat in the skim milk Total solids other than fat Per cent. of solids other than fat. Per cent of butter fat. Total butter fat. In two trials where milk was set in shallow pans, at 60°-64°, the average per cent. of fat in the skim milk was. Weight Milk. Milkings, In one trial where milk was set in shallow pans and one-third of its weight of water at 120° added, the per cent. of fat in the skim milk lbs. 1.475 1.445 1.515 1.515 1.533 1.462 lbs. oz. 17 4½ 16 7 17 11½ 17 Sept. 8.53 8.79 8.56 8.91 8.52 8.60 .8546 .6378 .6000 .4794 .6048 .6460 4.94 3.88 3.39 2.83 3.36 3.80 Our Dairy Competition for 1890. The following tables show the quantity of 17 1516 16 1516 milk given by each cow in our dairy competition at the recent Industrial Fair at Toronto, to-Total gether with the values in each case :-MILK RECORD OF FIRST PRIZE HERD Value of milk without extra allowance.

Number of days giving milk after the first 90 days, 167; number of days pregnant after the first 90 days, 29; extra allowance for 167 days giving milk, 167 × 5 30 × 83.52=19.67; extra allowance for 29 days pregnant, 29 × 2-30 × 83.52=1.72; total allowance for milk, 61.16 × 22.36 × 19.67 × 1.72 (Jerseys) owned by W. H. Reburn, St. Annes. Jolie St. Lambert IV., calved Aug. 5th, 1890; served Sept. 6th, 1890. Total solids other than fat. Per cent. of butter fat. Total butter fat. Weight Milk Milkings. Susan, calved Nov, 6th, 1890; served April 5th, 1890. lbs. 1,2095 1,2688 1,2516 1 1186 1,0884 1,0353 lbs. .3554 .6212 .6789 .4283 .4752 .5047 lbs. oz. 12 9 13 9½ 13 13 11 18 11 15½ 11 7 Total solids other than fat Per cent. of solids other than fat. 9.63 9.33 9.07 9.48 9.07 9.02 Per cent. of butter fat. Total butter fat. 2.83 4.57 4.92 3.63 3.96 4.57 Weight Milk. Milkings. 6.9722 3.0640 lbs. oz. 3 4 2 9 3 2 3 10 3 11½ 3 11 lbs. .3635 .2552 .2910 .3510 3444 .3444 lbs. .1894 .1297 .1295 .1231 .1284 .1872 9.34 9 97 9.39 9.75 9.31 9.31 3.064 lbs. of butter fat at 16c... 6.97%2 lbs. of solids other than fat at 21/20... 5 83 5.07 4.18 3.42 3.47 3.71 1. 889 Jolie St. Lambert V., calved last March 31st; served last July 2nd. Total Total solids other than fat Value of milk without extra allowance. 1 Number of days giving milk after the first 90 .224 Number of days pregnant after the first 90 .54 Extra allowance for 224 days giving milk, 5-20 × 224 × 18.11... Extra allowance for 54 days pregnant, 2-30 × 224 × 18.11... Per cent. of butter fat. Milkings. 10 8 151/2 9 61/4 9 51/2 7 10 7 81/2 lbs. .908 .8271 .8648 .839 .69 .678 9.08 9.19 9.20 9.12 9.08 9.04 .407 .4365 .3919 .3937 .3313 .3480 4.07 4.85 4.17 4.28 4.36 4.64 -; served Polly Perkins, calved -Total solids other than fat. 2.3084 Per cent. of bufter fat. Total Total butter fat. Weight Milk. Milkings. lbs. ,9061 ,8795 ,9682 ,7913 ,8863 ,7995 lbs. oz. 9 5 9 9 9 14½ 8 3 9 8½ 8 11½ lbs. .4239 .3890 .3425 .3132 .3876 .3262 9.64 9.20 9.78 9.65 9.33 9.19 Sept. 4.51 4.07 3 46 3.82 4.08 3.75 Jolie St. Lambert II., calved April 4th, 1890; served June 26th, 1890. Total solids other than fat. Per cent. of solids other than fat. Per cent. of butter fat. Total butter fat. 5.2309 of 2.1824 Total ... Weight Milk. Milkings. Value of milk without extra allowance. 4
Number of days giving milk after first 90
days up to 11 months. 245
Number of days pregrantafter first 90 days. 54
Extra allowance for 245 days giving milk, 5-30
Extra allowance for 54 days giving milk, 5-30 1bs. oz. 11 1 10 1314 12 1/2 11 11 11 51/4 9 71/2 lbs. 1.0341 1 0102 1.098 1.0787 1.016 .8711 lbs. .5430 .4617 .5844 .5475 .4604 .4912 9 35 9.32 9.15 9.22 8.96 9.17 4.16 4.26 4.87 4.68 4.06 5,17 19.67 \times 245 × 47.99. 19.67 Extra allowance for 54 days pregnant, 2-30 × $\frac{19.67}{245 \times 47.99}$. 1.72

3.0882

Total

MILK RECORD FOR THIRD PRIZE HERD (Jerseys) owned by Smith & Sons, Grimsby. Lady Lorne, calved April 3rd, 1889; served Aug. 6th, 1890. Total solids other than fai Per cent. of butter fat. Weight Milk. Milkings. lbs. .4182 .396 .4365 .4036 .4366 .4484 lbs. oz.

8 8
7 12
7 11
7 14
8 12
8 6 lbs. .7718 .7401 9,08 9,55 9,05 8,75 8,82 8,85 .6968 .6912 .7717 .7426 18th, p.m. 19th, a.m. 2.539 Value of milk without extra allowance... Number of days giving milk after first 90 days
Number of days pregnant after first 90 days
Extra allowance for 245 days giving milk, 5-30
× 245 × 52.47.... Total allowance for milk 72.84 Miss Stoke Pogis, calved May 6th, 1890; served July 28th, 1890. Per cent. of butter fat. Weight Milk. Milkings. 1bs. 1,029 .946 1.051 .958 1,000 lbs. oz. 10 81/2 9 9 10 12 9 11 10 63/4 9 8 lbs. .6132 .5363 .6973 .5247 .5709 .5196 5.84 5.61 5.65 5.41 5.49 5.47 5.943 3.372 Total Value of milk without extra allowance.......68.8 Number of days giving milk before first 90 Total allowance for milk...... 74.99 Nettie of Grimsby, calved March 2nd, 1890; served May 26th, 1890. Total solids other than fat. Per cent. of solids cther than fat. Per cent. of butter fat. Total butter fat. eight Milk. Milkings. Sept.

lbs. oz. 8 7 8 2 8 11 7 151/2 8 6 7 12 lbs. .8034 .7816 .8308 .7960 .8248 .7649 1bs. .4701 .4155 .4628 .4160 .4729 .4014 18th, p.m. 19th, a.m. 19th, p.m. 2.6387 4.8015 Extra allowance for 23 days pregnant, 2 30 \times 107 \times 54.32 64.95 Total allowance for milk Respectfully submitted by A. LEHMANN, B.S.A., Asst. Chemist, Exp. Farm, Ottawa. The Stillwater (Minn.) Penitentiary has ar-

ranged to manufacture binding twine.

The reported disease in the Canadian cattle landed at Dundee from the steamer Norse King was a mistake by the local veterinary, but all the same it caused considerable trouble as the cattle had to be held over, although advertised for sale.