

used by Mr. F. Ratchford Starr of New York, as well as the bottles employed by M. D'Arcy in Paris, seem to me not so convenient, on account of the narrowness of the mouth; cream could not be taken separately from them so readily.

The importance of this branch of trade may be estimated when it is known that the milk supply of Philadelphia is nearly 150,000 quarts daily, costing the consumers, at eight cents per quart, nearly \$12,000, or annually about \$4,376,000. And yet the quantity daily consumed by each individual, supposing the population of Philadelphia to be 850,000, is less than one-third of a pint for each man, woman and child. This is rather more than the average of England, though less than half that of Wales, and not one-third of that of Scotland or Ireland.

The nutritive value of milk is hardly sufficiently appreciated by us. According to the best and most recent analyses, good milk contains, in each quart:

Butter,	543.3 grains, or nearly	1 $\frac{1}{4}$ oz. avoirdupois.
Casein,	1026.3 “ “	more than 2 $\frac{1}{4}$ “ “
Milk-sugar,	452.8 “ “	“ “ 1 “ “
Salts (phosphates, etc.),	90.6 “ “	nearly $\frac{1}{3}$ “ “

Two quarts, therefore, of milk, with 12 oz. of bread, contain sufficient nutriment for a laboring man daily—more than the French cavalry ration. No cheaper food of equal nutritive value and easy assimilation can be found.

The Satellites of Mars.—On the 10th of October Prof. Hall found Deimos, the outer satellite, almost precisely in the calculated position. The place of Phobus was not predicted so accurately, because its proximity to Mars made observations more difficult, and some of the auxiliary estimates were calculated for the orbital plane of Deimos. But these difficulties have exerted only a very slight influence on the results. Both positions are within the limits of probable error, which were announced by the discoveries in 1877. The 2443 intervening revolutions of Phobus require a diminution of only 1.074 sec. in the predicted time, showing an error of less than $\frac{1}{275}$ of one per cent.! A very careful and exact reduction of observations will be necessary in order to determine whether any correction is needed in the elements of Deimos.—*Comptes Rendus*. C.