i that almost exclusively employed in the unity for the preparation of the dairy produce is following remarks apply more particularly to is had of milk. We shall better understand have remarks by first observing the general compation of milk, which may be represented as alors:—

COMPOSITION OF MILK.

rater	Cow's Milk. 87.04	Ass's Milk. 91.65	Human Milk. 88.80	Cream. 62.50
seine	4.26	1.80 1.12	$\frac{3.82}{3.04}$	5.62 30.58
ter		5.03	4.20	trace.
m. constituents	.80	.40	.14	1.30

100 00 100.00 100.00 10-000

tis the fat or butter of milk that imparts its uracteristic white, opaque appearance. toccurs in a multitude of little globules, which, tributed throughout the substance of the A gives rise to its peculiar white colour The iglobules being slightly lighter than the fluid thich they float, slowly rise to the surface on nding, and form a layer, more or less thick, is we call the cream. By suitable means whole of the fat-globules can be removed, datransparent liquid obtained, which contains the other constituents of the milk. It is oftmiposed that the cream is not the essenapart of the milk, and we hear of its being en to children in the belief that it is a kind concentrated milk of superior nutritive value. is, however, is not the case; cream is only n fatty substances, and its use in our sysas much the same as is performed by the fat meat. Indeed, we may say, that cream or the tter is to milk what fat is to meat-viz., that tion which furnishes respiratory material.e may, however, regard it as a superior and ne highly-organized kind of fat, since it apvaches more nearly to the kind of fut occurring our own bodies. The market prices of new askim milk are quite disproportionate to the lative nutritive value; since the latter, having tnothing but its cream (a material for which ersubstances could be easily substituted) is thitle inferior in point of feeding qualities to milk; and where, as in many country districts milk, of better quality than that frequentsupplied in town as new, can be had for a spenny a quart, a more extended use of it ongst poor persons would be greatly to their vantage. In milk from which the cream has a removed, the other constituents may be rated as follows:—On the addition of a few ps of hydrochloric acid. or of vinegar, the ine, or cheesy matter, separates in flocculent 3. When this is removed by straining, we re lest in solution the sugar and the greatest tof the mineral salts, which may be obtainby evaporation, or boiling off the liquid in a thath until it dries up, The caseine is,

perhaps, the most interesting of the abovenamed constituents of milk. Caseine is one of the group of plastic elements already spoken of as the flesh-forming materials of food. It resembles very closely, in its chemical properties, the gluten of grain, or the fibrine of flesh. We have also mentioned the close relation that exists between the caseine of milk and the vegetable caseine of peas, beans, and other leguminous products. The mineral elements of milk are exceedingly rich in phosphoric acid, a substance especially necessary in the developement of the bones of the young animal it is intended to feed, with the other salts of food.—Gibbin's Every-Day Chemistry.

The Royal Dairy, Frogmore, Windsor-

A new dairy has been constructed at Frogmore, near the lodge, for her Majesty and the Prince Consort. It stands upon the site of an old cottage, and contiguous to the Royal Aviary and Model Farm. The dimensions within the walls are 37 feet 7 inches long, 23 feet wide, by about 23 feet high to the flat of the ceiling. The walls to the spring of the sloping part are 15 feet high. The length is divided into four bays, and the breadth into three bays, by six columns of an octagonal form, made of timber, as is all the frame work, neatly coloured, decorated, and enamelled. The capitals of the collumns are carved, and enriched with colour. The walls are surrounded with white marble tables, supported on marble shafts, inlaid with English and Belgian marble. Beneath these are reservoirs of a bluish encaustic tile: these reservoirs are to contain a flowing stream of cold The walls are lined with tiles of a delicate tint and pattern, surrounded with a green There are ten windows, each filled with stained glass, carrying a border composed of the may-blossom, daisies, buttercups. primroses. &c. Opposite the windows, on the side, are slight recesses, made to correspond in Between these, and between the winrichness. dows, are delicate bas-reliefs in majolica, of agriculture subjects, and the four seasons. Below these bas-reliefs are a border of richly coloured tiles, which continues round the heads of the windows and recesses. Above this is an elegant frieze in majolica, having a rich scroll pattern with medallions, containing portraits of her Majesty the Queen, H.R.H. Prince Albert, and the whole of the Royal Family, at equal distances, and relieved by shields, with monograms. ceiling above the cornice is painted with a delicately-pencilled pattern, enamelled, to correspond with the frame work. There are two fountains, one at each end of the room, in majolica ware, of similar design, composed of a large shell supported by a beron and bulrushes. In this shell rises a Triton, supporting another