the same direction over the earth's surface, or deviating surface there as I am here; so that, in fact, we are from that direction only to the right or left, has return-pressed by our weight in the direction of our feet of to the same regions of the earth again, he must have lowards one another; and were we to fall, each would gone round it; and it must be a surface returning into fall towards the other. Since, then, weight is someitself, at least in the direction in which he travelled, thing which on opposite sides of the earth presess. And if from his starting-place he has travelled in every bodies towards its surface, it is evidently a power in the possible direction, and always thus arrived at the same earth itself, of which I see the analogy in the attraction place again, then must it, not in one or two directions of a magnet, which all round, and on its opposite sides. only, but in every direction, be a surface returning into in opposite directions, fixes small particles of iron upon its if—such a surface as would not only partly but its surface. completely contain a solid. Moreover, if in the course of these numerous journeys he met with no obstacle Mirk. which he could not overpass, then would be be assured milk is very considerable, there is very little exposed that there was no solid mass on which it rested, no to sale without previously receiving some fraudutent pedestal by which it was supported, nothing from addition. In most cases, the substances which are which it was suspended.

hypothetical; and that no traveller has thus, setting less diminish those good qualities which render milk so out from one place, made journeys in all directions extremely valuable as an aliment. The best milk is of round the earth. True; but if all the journeys and a mean consistence. Its specific gravity is about voyages which have been made were collated and compared, it would be found that these supposed journeys dull white colour, and a soft, agreeable, sweetish taste. have been made, if not by one, at any rule by a number! The adulterant which is most frequently added to mak. of different persons; and we have the results of their and which is the most difficult of detection, is water, experience, which is to us as certain evidence, and Milk which has been diluted with water always pre-

have been. haps does a week pass in which there does not arrive. I than is produced by a similar quantity of pure milk. in some port of Europe or America, some vessel which. Several attempts have been made to contrive lactohaving sailed from that port continually on the same melers, or instruments for ascertaining the comparative course, or deviated only to the right and left of that goodness of samples of milk. One of these lactometers course, has, nevertheless, returned to that port again; was similar in principle to the hydrometer. It con-which it could never have done if the earth's surface sists of a graduated glass tube and a bulb. When were other than that of a continuous solid; if it were a plunged into milk it took a higher or lower positiou, flat, or infinitely extended, or a terminated surface, not returning into itself:† or a small portion of the surface this instrument was far from possessing a desirable of an infinitely extended plane; or an island, floated in degree of certainty in its indications. The difference of the abysses of space; or the summit of a mountain, temperature in various cows, the greater or less abunwhose base reposes in some fathornless region unknown dance of the animal's food, and its age and state of to us. This earth of ours is a huge mass, self-poised, health, have all great influence or the specific gravity supported upon nothing, hung upon nothing—enveloped of the milk produced. A lactometer of a better descripby the air which we breathe, and surrounded by the tion consists of a glass tube about a foot long and half space of the heavens.

it now immediately beneath my feet. Yet have I rises to the surface and forms a cake, the bulk of which. reason to believe, indeed I know, that every thing goes compared with the bulk of the milk, denotes the comon there as it does here; all heavy bodies tend to fall parative goodness of the milk. The lactometer tube to the surface of the earth there as they do here, and yet should be graduated into ten parts, and the two upper falling there and here they must fall in opposite direc-

ing, he must crawl over the opposite edge of the table here; although their position is inverted in respect to and along its under surface. mine, they have no tendency to fall off; on the con-Since, then, our traveller, journeying continually in trary, they are pressed by their weight to the earth's

Mirk.-In large towns, where the consumption of added are by no means injurious to the health of the But it will be asserted that these journeys are all individuals who drink the milk; but they do not the indeed more certain than that of a single traveller would sents a bluish colour, instead of that dull white which is the characteristic of pure milk. It has also a watery There is indeed scarcely a week in which this great taste, and is found to yield, after three or four hours' fact is not put to the test of experiment. Never per-exposure to the air, a much smaller proportion of cream

an inch in diameter; tubes of which size, supported by How many thoughts does the mind embrace in this a foot, can be bought at the glass-houses for eighteen idea! The surface of the earth being that of a solid pence. If milk is poured into a tube of this kind, and mass, there must be some point on the opposite sude of permitted to repose there, the cream which it contains parts divided each into ten others. It is then easy to Men move about there as freely as they do ascertain at a glance the per centage of cream contained in any sample of milk submitted to trial. For the sake 4 This illustration will be complete, if we compare the case of a fly crawling over the surface of an orange with that of the fly direct experiments, how many parts of cream are contained extends, for there are some which no human being has perhaps ever crossed, and many which have never been visited in the surface extends, for the some whose authors are some times hidden that the surface extends in the surface are sometimes hidden to the surface are sometimes are sometimes and the surface are sometimes are sometimes are sometimes are sometimes are sometimes and the surface are sometimes are surfaced by direct experiments, how many parts of cream are contained in 100 parts of genuine new milk.

The bluish colour and the thin appearance produced in the surface are sometimes are sometimes and the surface are sometimes are surfaced by direct experiments, how many parts of cream are contained in 100 parts of genuine new milk.

by the addition of flour and yoke of eggs, which not only correct the colour, but give more consistence to the mixture. The presence of the flour can be detected by means of iodine.

CREAM .- Cream, being an article in considerable demand, and bearing a high price, is frequently adulterated with compounds containing starch and skimmed milk. Arrow-root is the substance which is best adapted and most employed for this purpose. It is mixed

perhaps ever crossed, and many which have never been visited by any one whose authority we have for the fact asserted in the text; yet so few are these cases, when compared to those of which we have experienced, that, although they leave the matter under the form of a probability, it is one which is practically a certainty, if A year or two ago it was announced that vessels set out every six weeks from the port of Liverpool, to make the vorgage round the world. Their course is south-west until they reach Cape Horn; then still westerly until they make New Holland; then perhaps north-west, to some port of I dia; again south-west, to the Cape of Good Hope; and then north-west, home. Thus sailing continually to the west, they have returned to their port. Ilad the world not been round, they must continually have receded from it.