umbilicarias depend on the large about the Altai and Caucasus, near Islandica, however, a bitter principle Asia to Algeria in Africa. tracts of country in the above mensometimes from three to six inches thick other of these lichens. boring countries. It is usually condition; for the experiment. color, hand, irregular in form, without the specimen. odor and tasteless. They appear to have no base of attachment, conse-

covering tracts of country in Persia, success. the steppes of Tartary, the country

amount of starchy matter in their com- Sebastopol and other parts of the position. They have, as the Cetraria Crimea, on Ararat, near Damascus, in Algeira and in the African Sahara. possessed of purgative properties. But In 1829, during a war between Russia perhaps the most singular of all are and Persia, a large portion of country the Lecanora esculenta and L. affinis around a town on the southwest shore which frequently, under extraordinary of the Caspian was covered by a circumstances, have served as food for shower of this manna-rain while the large numbers of men and cattle in inhabitants were reduced to famine. various countries from Tartary in The sheep were noticed to eat it Large greedily. The idea immediately occurred to the starving inhabitants, who tioned places repeatedly appeared to soon found that it could be converted be covered suddenly with a layer into agreeable and nutritious bread. If we want to test the value of a lichen The inhabitants believing it to have as an article of food, we can do so come from heaven called it a kind of quite simply. The amount of starch manna and imitated their flock in or mucilage in its composition is an time of scarcity by eating it. Some approximate measure of this value. writers have supposed that the manna Take a certain amount of clean thallus, of the Israelites consisted of one or powder it, or cut it up into small pieces Several "rains place it in a vessel with hot water, of manna" of this genus have been keep it hot for some time, varying both described as occuring in Persia and in heat and duration to discover the best found in the - rrm of small lumps, from allowing this liquid to cool, it gelatithe size of a pin's head to that of a pea nizes more or less firmly according to or small nut, greenish or whit ish in the amount of gelatinous substance in The Pulmonaria Sticta has a considerable amount of this material in its large and easily quently they are supposed to grow by collected fronds, and may when proderiving the whole of their nourish- perly cook d form an agreeable article ment from the air, and probably may of diet. This starchy mucilaginous have grown while falling to the ground material was applied some years This lichen manna has fallen as ago by the ingenious Lord Dundonald 'rain" or has been found suddenly to calico-printing with very good