

from the ventricle to the gills, which are their chief respiratory organs; thence it passes into arteries for distribution to the system in general, and returns by the veins to the auricle. Here the blood, in its circuit, passes but once through the heart; but the heart of a fish corresponds nevertheless to the heart of a mammal, and not to one half of it, as has often been maintained, for the gills are not lungs.

244. Crabs and other crustacea have but a single ventricle, without an auricle.

In the mollusks, there is likewise but a single ventricle, as in *Natica*, (Fig. 88, *h.*) Some have in addition one or two auricles. These auricles are sometimes so disjoined

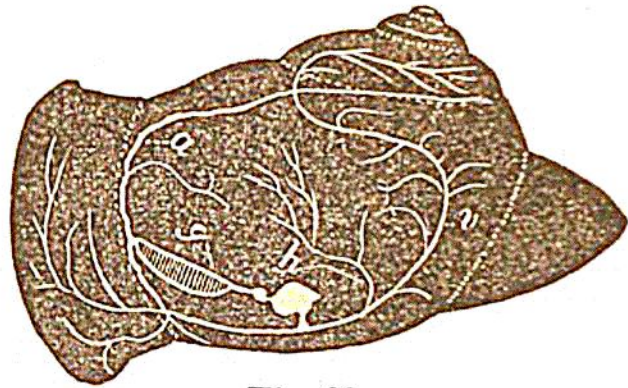


Fig. 88.

as to form so many isolated hearts, as in the cuttle-fish. Among Radiata, the sea-urchins are provided with a tubular heart.