

- Fig. 2.  $\frac{4}{1}$ . A mouth angle from above, with its massive frames (*f*) and very large, swollen, peristomial plate (*v*), jaw (*c*), socket of first mouth tentacle (*r'*).
- „ 3.  $\frac{3}{1}$ . Radial shield (*l*) and genital plate (*o*) in place, with the strong nodular pieces connecting them with the under arm plates (*i*). Beyond are arm bones in profile. The position of the genital opening is indicated by a dotted line; genital scale (*n*), side mouth shield (*b*).
- „ 4.  $\frac{7}{1}$ . Two joints near base of arm, in profile, dried; side arm plates (*i*), bearing tentacle scales (*q*), and continued upward by a double row of small pieces (*j*). On the upper surface are the peculiar dorsal spines (*z*).
- „ 5.  $\frac{7}{1}$ . Skin of one side of an arm joint, flattened and seen from the inside, to show the side arm plate (*i*); the double row of pieces homologous with an upper arm plate (*j*); the dorsal spine (*z*), and the piece, under the skin, which carries it (*j''*).
- „ 6.  $\frac{7}{1}$ . Lower surface of arm at fifth fork from the tip, to show the Ophiuran-like under arm plate (*h*), and the side plates (*i*) bearing tentacle scales (or arm spines).
- „ 7.  $\frac{10}{1}$ . Upper surface of arm, at fifth fork from the tip, with the last dorsal spines (*z*).
- „ 8.  $\frac{7}{1}$ . Terminal twigs of the arm nearly in profile, exhibiting the dorsal spines (*z*), and the elongated, flap-like side arm plates (*i*), which bear hooks or club spines (*q*).
- „ 9.  $\frac{50}{1}$ . Three arm joints near end of arm, in profile but somewhat tipped, so as to show the transition from tentacle hooks to the corresponding club spines. On one side there are only hooks (*q*), supported by elongated side arm plates (*i*). On the other, the club spines already are formed; and these, in turn, gradually take the peg-like shape seen in fig. 6; dorsal spine (*z*).
- „ 10.  $\frac{100}{1}$ . Upper view of a joint from tip of arm (*i*), the much elongated and partly free side arm plate, bearing terminal hooks (*q*). There is a superficial granulation but no upper plate.
- „ 11.  $\frac{100}{1}$ . A similar joint in profile, showing the free side arm plate (*i*), with its two terminal tentacle hooks (*q*).
- „ 12.  $\frac{100}{1}$ . Elongated side arm plate (*i*), and its two hooks (*q*), from a terminal joint of the arm.
- „ 13.  $\frac{4}{1}$ . Outer face of an arm bone, with its characteristic horizontal hour-glass projection (*y*).
- „ 14.  $\frac{4}{1}$ . Inner face of an arm bone with its vertical hour-glass projection (*β*).
- „ 15.  $\frac{4}{1}$ . Outer face of an arm bone just where the arm forks. The projection (*y*) is much widened.