

Fig. 1.—Ventral view of the entire Medusa (from below), four times the natural size
gc Central part of the flat gastral cavity. *am* Oral margin, swollen and thickened. *gw*
Subumbrel wall of the central gastral cavity. *sf* Ring-shaped genitalium (ovary). *h*
Umbrella cavity (peripheric part). *v* Velum. *l* Collar lobes. *ok* Auditory clubs.
t Tentacles.

Fig. 2.—Profile view of the entire Medusa (from the side), three times the natural size,
drawn from life. The central gelatinous umbrella lens touches the expanse of water and
the knee of the genuflected tentacles with its vaulted arch. The tentacles are inserted in
the circular coronal furrow, which separates the central umbrella lens from the peripheric
umbrella collar and alternates with the twenty-five collar lobes of the latter.

Fig. 3.—Radial section through the umbrella, six times the natural size. *ug*
Gelatinous lens of the umbrella. *ec* Coronal furrow of the exumbrella. *t* Tentacle.
tr Tentacle root. *l* Collar lobes. *hl* Cavities of the collar lobes. *oo* Peronium.
ok Auditory club. *cf* Festoon canal. *nc* Urticating ring. *v* Velum. *sf* Ovary.
gc Central stomach. *at* Œsophagus. *am* Margin of the mouth. *h* Umbrella cavity.

Fig. 4.—Tangential transverse section through the ovary, greatly enlarged. *dg*
Endodermal epithelium of the subumbrel gastral wall. *z* Supporting plate (fulcral
lamella). *qs* Ectodermal germinal cells (young ova). *so* Mature ova cells. *gg* Ecto-
dermal epithelium of the subumbrella.

Fig. 5.—Longitudinal section through the œsophagus, greatly enlarged. *dg* High
cylindrical epithelial cells of the endoderm. *gd* Flask-shaped glandular cells between
the epithelial cells. *zg* Thick supporting lamella. *mg*, Longitudinal muscles. *mg*,
Transverse muscles. *gg* Flat epithelial cells of the ectoderm.

Fig. 6.—Two collar lobes, with the surrounding parts seen from the outside, ten times
the natural size. *t* Tentacles. *tr* Tentacle roots. *n* Urticating swelling at the bars of the
tentacle roots. *cf* Festoon canal. *nc* Urticating ring of the umbrella margin.
oo Otoporpxæ. *ok* Auditory clubs. *v* Velum.

Fig. 7.—A tentacle root, greatly enlarged and foreshortened. We see clearly the
branched streams of protoplasm running from its nuclear layer to its mural layer.

Fig. 8.—A small piece of the umbrella margin, with an auditory club (*oh*) and its
otoporpxæ (*oo*); greatly enlarged. *n* Spheroidal nematocysts. *z* Supporting lamella.
l Gelatinous substance of the umbrella collar. *cf* Festoon canal. *nc* Urticating ring.
oh Auditory hairs. *ot* Otolites. *v* Velum.