secretion pores. These filaments act as an effective suspension-apparatus (see Fig. 219). During unfavourable conditions

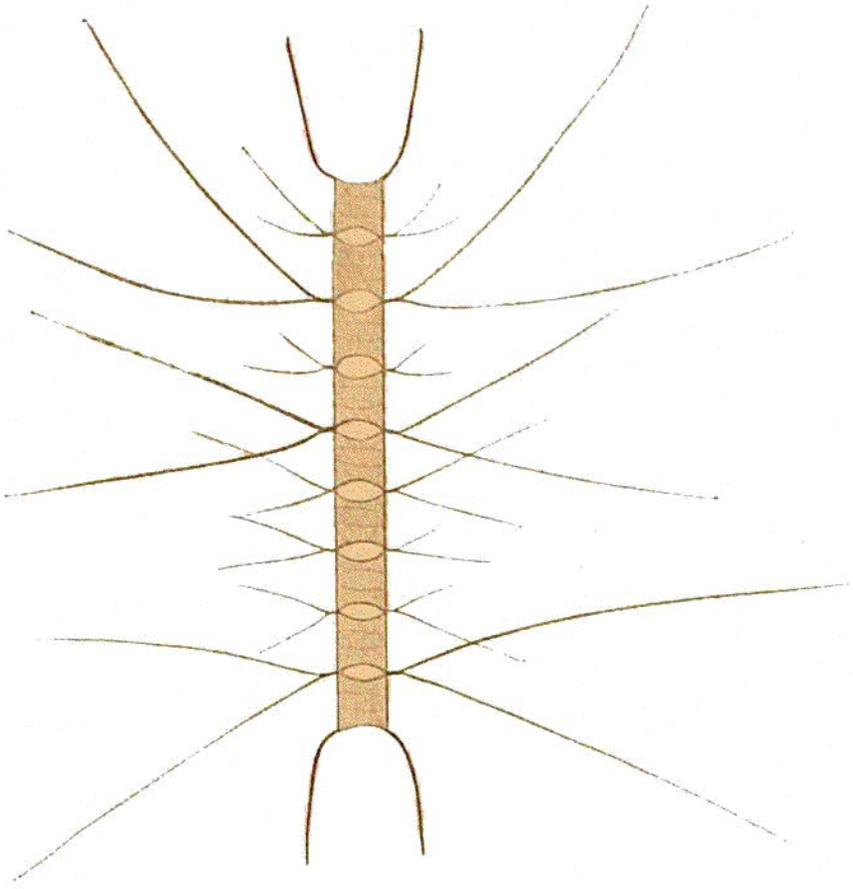

FIG. 218.—CHAIN OF *CHÆTOCERAS DECIPIENS* ($\frac{100}{1}$).

of existence, especially when there are considerable changes in the salinity, sufficient mucilage is secreted to form a protecting

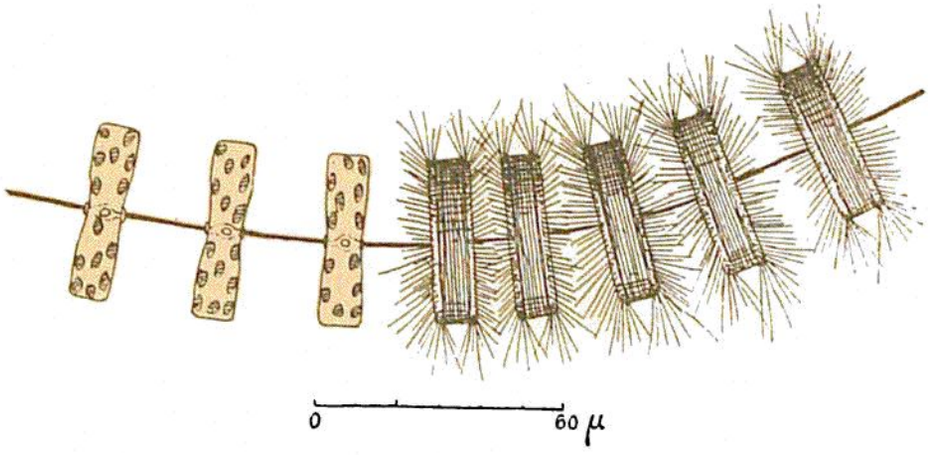

FIG. 219.—CHAIN OF *THALASSIOSIRA GRAVIDA* ($\frac{100}{1}$).
Showing on the right five cells with filaments of mucilage. (Mangin.)

sheath round the cells. This I have myself observed in the case of species of *Thalassiosira* on the Norwegian coasts.

Adjustment of their organisms to the conditions of their