



FIG. 42.—Segments of the branchial sieves of three common fishes that feed on plankton. **a**, Menhaden, *Brevoortia tyrannus*; **b**, herring, *Clupea harengus*; **c**, mackerel, *Scomber scombrus*; **d**, mackerel, side view of gill raker, with gill spines.  $\times 25$