

such precision, that it may be considered quite the equal of any system adopted by subsequent expeditions. Sigsbee relates that he made one day, off Havana, between 7 A.M. and 5 P.M., as many as ten hauls with the dredge at depths varying from

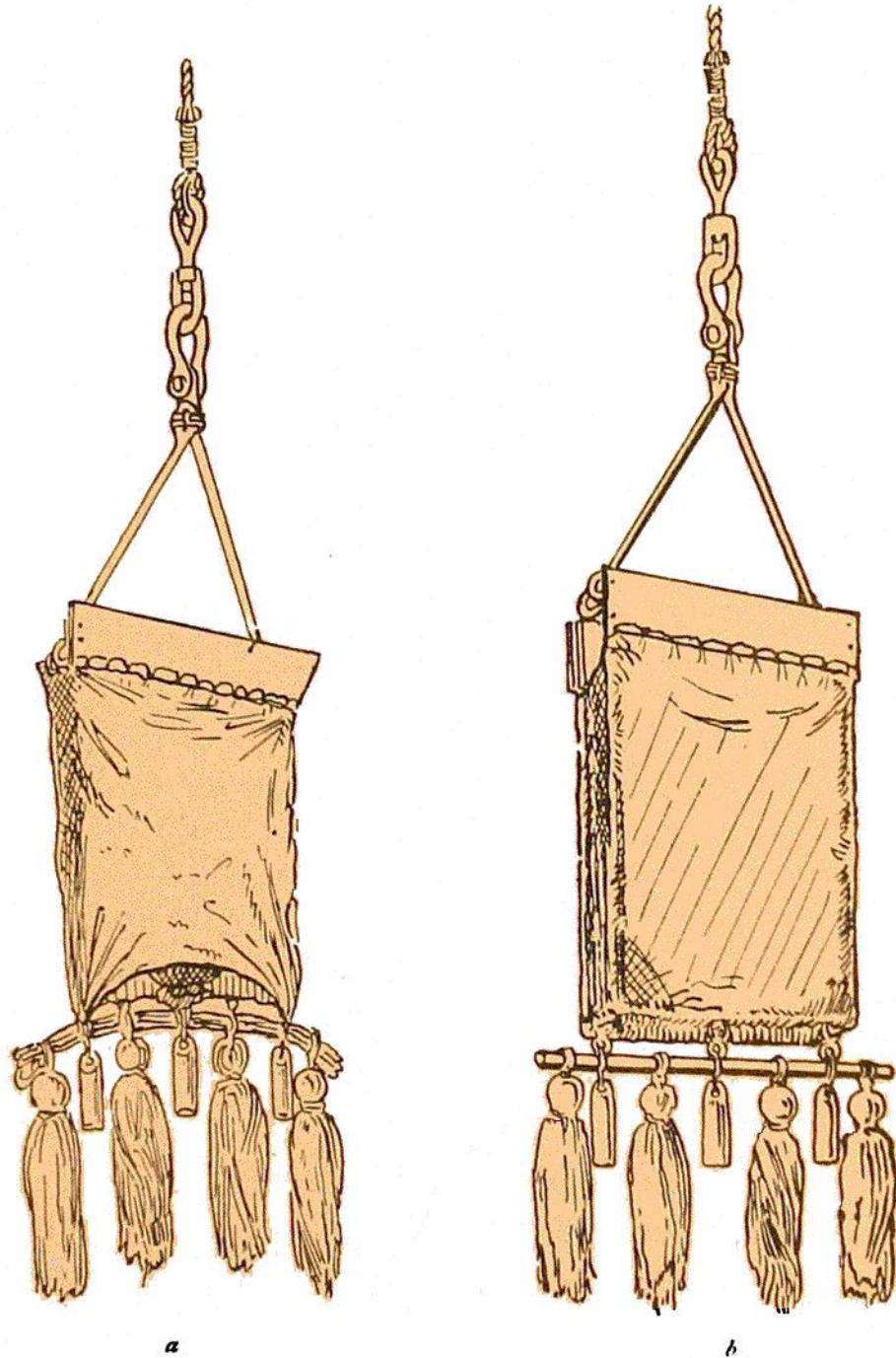


FIG. 10.—DREDGES.  
*a*, Previous model ; *b*, Sigsbee's dredge. (From Sigsbee.)

50 to 400 fathoms. Although the bottom was unsatisfactory and the dredge stuck fast every time, he managed to avoid an accident and made very successful catches. He allowed from three to five minutes for lowering or for hauling in a line of a hundred fathoms, and from ten to thirty minutes for the actual