

class of eggs at Central Station I am convinced that large numbers of eggs up to the very period of hatching can be handled in this jar.

The necessity of arriving at methods of hatching the light or floating eggs of many of our salt-water fishes has for several years impressed itself upon the United States Fish Commission. No form of apparatus heretofore devised has been satisfactorily operated to the accomplishment of this purpose. The experiments made during the summer of 1882 in the Chesapeake Bay with the eggs of the Spanish mackerel led to the hope that the hatching jar, fitted up as a receiver, may be with equal advantage employed in hatching this class of eggs. The number of eggs obtainable was not enough to give results sufficiently decisive to establish this assertion. But these eggs, being subjected under the conditions presented in the receiving jar to a current of salt water, being confined so as to prevent escape, and this confinement effected without the use of appliances that would injure the delicate membrane of the shell, there seems to be no reason why we may not use the jar as successfully with this class of eggs as with those of the whitefish and the shad.

UNITED STATES FISH COMMISSION,
Washington, D. C., April 6, 1883.

16.—THE SUCCESSFUL STOCKING OF STREAMS WITH TROUT.

By **WAKEMAN HOLBERTON.**

[From a letter to Prof. S. F. Baird.]

Near Cleveland, Ohio, is a stream, very much of the nature of Cal- edonia Creek, only finer and larger, which gushes from the earth in such volume as to turn a mill not far from its source. This stream never contained trout until 1872, when it was leased by a club and stocked with trout which, I think, were obtained from Lake Superior. Since then the trout have increased finely and the fishing is superb. It is not unusual for trout to be taken there of three or even four pounds weight. The members of the club are restricted to fifteen pounds a day, and only allowed to fish three days in a week. The fish are well fed and very lively.

The trout which were put into some streams near here two years ago are doing well. I noticed a marked increase in fishing last spring. The California trout that we put in in 1881 were doing finely last year, and had already grown to the size of four inches. I caught several of them but returned them to the water.

NEW YORK, *March 9, 1883.*