

lower orifice or nozzle. This permits giving the clams an occasional douche or bath of salt water while in transit, and the ready removal of stagnant or stale water. The tank is 3 feet in height by 1 foot 6 inches in diameter. It is provided with three stout handles which turn up, and when so turned, stop at a right angle with the side of the tank, so as not to pinch the hands when the tank is lifted. One of these handles is placed opposite the upper nozzle, the other two at points equidistant, on each side, between the first handle and the upper nozzle.

These tanks, substantially made of galvanized iron, handles of the same, also screen cover of galvanized wire, cost complete in San Francisco \$7.80.

BERKELEY, CAL., *October 14, 1882.*

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**60.—RETURN TO GLOUCESTER OF YOUNG CODFISH HATCHED BY UNITED STATES FISH COMMISSION IN 1879.**

**By BENJAMIN H. SPINNEY.**

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

I have made inquiry about the codfish taken in Gloucester Harbor, and find several of the boat fishermen who are of the opinion that they are the ones that you hatched here in 1878. They are of a gray color and resemble somewhat a deep-water fish. They came in schools about May 1, and staid till the middle or last of July. Sometimes they are very plenty. I saw one man who said that he caught 70 or 80 pounds on a mackerel line while at anchor just off Five Pound Island, and that they would weigh from a half pound to two and a half pounds each. I have seen schools of them myself alongside of my wharf at the head of the harbor. I will try to get a sample and send you.

EAST GLOUCESTER, MASS., *August 18, 1883.*

NOTE.—Compare report of the return of these cod in 1882: Bull. United States Fish Commission, 1882, Vol. II, p. 112.—C. W. S.

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**61.—THE CULTIVATION OF CROPPIES IN PONDS.**

**By S. P. BARTLETT.**

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

In 1880, Colonel Don. Morrison built upon his farm a reservoir and placed in it a few croppy of that year's spawning, which were sent to him by the Illinois Fish Commission. August 30, 1883, he undertook to seine it and take out the catfish. In this he partially failed, and among the fish taken were a number of croppies which weighed nearly two pounds each. One of these he kept and showed me the next day. So in a number of instances as great growth has been shown.

QUINCY, ILL., *September 18, 1883.*