

83.—REPORT FOR 1879 AND 1880 OF THE SALE OF FISH IN FULTON MARKET, NEW YORK.

[From the New York Market Index and Journal, April 3, 1880.]

FISH, ETC., BY POUNDS.

† Kinds of fish.	March 1, 1878, to March 1, 1879.	March 1, 1870, to March 1, 1880.
Flounders	1,544,842	1,705,989
Halibut	3,327,700	3,549,121
Codfish	8,636,479	8,719,574
Pollock	222,908	315,879
Haddock	1,857,790	1,813,820
Frostfish	63,792	77,871
Blackfish	188,981	199,530
Spanish mackerel	275,163	310,970
Weakfish	510,022	801,017
Kingfish	38,090	38,447
Sheepshead	82,474	67,325
Porgies	2,198,780	2,388,863
Sea bass	446,695	255,688
Striped bass	716,042	678,423
Blue-fish	3,843,983	3,570,543
Smelts	1,500,541	1,589,268
Salmon	4,36,623	394,220
Herring	942,145	1,052,891
Eels	1,202,414	1,292,917
Sturgeon	70,633	68,858
Black-bass	79,850	85,011
Pickering	508,181	744,566
Yellow pike	173,367	129,251
Siacoe	629,661	624,438
White fish	741,942	693,085
Brook trout	6,522	8,189
Salmon trout	84,262	96,160
Catfish	98,562	52,847
Salmon, fresh-water	506,719	446,411
Green turtles	6,103	8,189
Lobsters	1,625,655	1,737,224
Salt-water fish	912,199	670,131
Total	33,520,060	34,276,666

FISH BY COUNT.

Mackerel	2,317,763	3,827,324
Shad	661,594	953,439
Scollops	40,551	36,445

Herring, frozen, of which there was no account in the year 1878, but was in the year 1879, 1,001,520 pounds. The decrease in bluefish for the past year is owing to none being taken in Southern waters off the coast of North Carolina, as the fishing there in the months of November and December of 1879 was a complete failure. The decrease in striped bass is owing, in a great measure, to the law passed by the legislature of the State of New York in 1878, prohibiting the taking, or having for sale, any bass of less weight than one-half pound.

The increase in weakfish has been very large the last year—almost 300,000 pounds—a large quantity being caught on the coast of New Jersey, where, the year before, hardly any were taken. The increase in shad is also quite large in 1879. Fulton Market does not receive

more than one-half of the shad caught in the Hudson River, but does receive a large portion of what is caught in the Connecticut River, and possibly Fulton Market in 1879 received a larger portion than the year previous.

84.—DESCRIPTION OF A CALIFORNIA SALMON (*ONCORHYNCHUS* SP.) FOUND IN ONE OF THE RIVERS OF NEW ZEALAND, AND IDENTIFIED BY DR. T. H. BEAN.

By S. C. FARR,

*Secretary and Treasurer of the Canterbury Acclimatization Society.**

Many unavoidable causes have prevented me from addressing you at an earlier date on the question relating to the fish caught in one of our rivers, although I have been very anxious to have the question set at rest if possible.

The following is the description as near as I could collect from the fish about eight hours after it was taken, and the photograph was taken from a sketch I made some time after it had been in spirits: Length, one foot ten and a half inches; girth at the shoulder, one foot three inches; weight, 8 pounds; color, olive green on the back, the sides lighter, the belly silvery white, the sheen of the scales very bright, intermingled with irregular spots of a brownish olive tint both above and below the lateral line. Teeth very small but numerous, five rows on the upper surface of the mouth; the central one is short, having only two in each row, turning outwards alternately to each side. There is one row on each side of the under jaw, while there are more to be seen on the tongue. The scales in the center of the side are about one-eighth of an inch in diameter and cycloidal. The caudal fin has 19 rays; anal, 15; dorsal, 13; pectoral, 16; and ventral, 9. The color of the flesh is a bright pink.

I trust the above will sufficiently describe the fish to enable you to decide its genus in such a way as will remove all questionable doubts.

CANTERBURY ACCLIMATIZATION SOCIETY,

Christchurch, April 20, 1882.

*The letter here printed was addressed to the United States Commissioner of Fish and Fisheries, and was accompanied by a photograph, which was made from a sketch taken from the preserved fish some time after its immersion in spirits. This photograph, while it may readily be recognized as representing a species of *Oncorhynchus*, would be more valuable had it been taken from the fish itself, and with the dorsal and anal fins so extended as to show the number of rays; the size of the scales, also, could then have been determined. The enumeration of the fin rays by Mr. Farr, however, and his remarks about the teeth, taken in connection with the photograph, leave no doubt in my mind that the captured fish is a California salmon, belonging to the species introduced in 1874 (or 1875?), and subsequent years, by the United States Fish Commission. Mr. Farr's photograph bears the date July 10, 1880.

—TARLETON H. BEAN.