

able circumstance is well counterbalanced by the facilities for aëration, which are very good and very fully employed. The eggs are placed upon wire-cloth trays in stacks or tiers, ten deep, and arranged for a free horizontal movement of the water.

Of the eggs here obtained three-quarters are shipped away to the order of the parties supporting the establishment; the remaining quarter is hatched out and the young salmon liberated in the lake, to keep up the stock of fish. The shipments are made in January, February, March, and sometimes April. The eggs hatched are selected from those that have been retarded in development, and they reach the age for liberation in June, when their natural food is believed to be abundant.

The following statement shows the work accomplished each year since the organization of the establishment at Grand Lake Stream:

Year.	Salmon caught.			Eggs obtained.	Eggs distributed.
	Males.	Females.	Total.*		
1875-'76.....	1,055	1,571	2,628	1,077,500	933,000
1876-'77.....	272	749	1,021	543,000	460,000
1877-'78.....	1,776	2,372	4,151	2,159,000	1,070,000
1878-'79.....	1,122	1,785	2,908	1,723,000	1,470,000
1879-'80.....	938	1,084	2,022	1,113,456	992,000
1880-'81.....	698	1,473	2,171	2,326,740	2,068,500
1881-'82.....	370†	652	1,022	947,000	860,000
1882-'83.....	600	1,004	1,604	1,600,000	1,496,000
	6,831	10,600	17,527	11,489,696	10,249,500

*Including some whose sex was unknown. † Estimate.

TRANSPORTING CARP FROM THE UNITED STATES FISH COMMISSION TO BRAZIL.

By J. W. COUCHMAN.

[Letter to Prof. S. F. Baird.]

It is with pleasure I report the safe arrival of thirteen beautiful specimens of the survival of the fittest out of the one hundred carp which were shipped to me from New York by steamer Borghese. They were thirty-nine days at sea. The greater portion of them died before the steamer reached St. Thomas. None died during the last ten days of voyage. Your instructions for keeping them were not carefully observed. The person who had them in charge fed them on hard-boiled eggs. If it would afford you any pleasure I will be glad to give you a report of them from time to time.

RIO DE JANEIRO, BRAZIL, RUA DO OUVIDOR No. 130,

January 6, 1883.