

43.—A CHINESE METHOD OF FISH-CULTURE.**By SMART, GOLDSMITH, AND JOHNSON.**

[Extract from *The World Displayed; or, A Curious Collection of Voyages and Travels*, selected and compiled from the Writers of all Nations: By Smart, Goldsmith, and Johnson. First American Edition, Vol. VI, Philadelphia, 1796.]

We cannot conclude our account of this species of animals and of China in general, without mentioning a singular method by which all kinds of fish are dispersed into different provinces even before they have life. About the month of May the Chinese draw mats across the great river Yang-tse-Kiang in order to stop the spawn, which they know how to distinguish at first sight, though the water is scarce altered by it; with this water mixed with spawn they fill many vessels, which they sell to the merchants, who go thither at that season in great numbers to buy it, and transport it into different provinces. This they sell by measure to those who have fish-ponds belonging to their houses. In a few days the young fry begin to appear in little shoals; but the different kinds of fish cannot be soon distinguished.

44.—SHAD IN OREGON WATERS—A NEW SALMON HATCHERY.**By CHAS. I. FINÉLY.**

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

Last fall I caught a lot of shad, or what we took to be shad. They were certainly of the herring family, and had what we call a saw under the belly. I believe a lot of young shad were released in Upper Rouge River. This is the second year only that any of that species has ever been seen here.

Mr. R. D. Hume, who owns the cannery at this place, and for whom I have been foreman the past four years, has built a hatchery for salmon. He had one here before, but run it only one year. This he intends to be permanent. I am running it and have so far, considering the circumstances, been very successful. I only had eight female spawners and the corresponding males, for the hatcheries were hardly ready. I have so far lost a little over 4,000 eggs in four weeks, the principal cause being from diffused light, which I have overcome by battening up the creek. I have splendid water, a ditch 3 miles long, a big reservoir 20 by 20 feet, 6-inch iron pipes, and two big flumes to feed through. Where the screens are in the water it is splendidly clear. I will report further progress.

ELLENSBURG, OREG., *December 14, 1883.*