

but hardly less to the intelligence, zeal, and untiring energy of Professor Goode and his assistants, who literally worked night and day in order to be ready for the day fixed for the opening of the Exhibition.

I shall naturally have occasion to write again and more fully on this topic when more perfectly informed, but could not deny myself the pleasure of reporting to you the impression already made in this international competition by the genius for organization of which our countrymen have here given proof, a faculty certainly not the lowest among those that distinguish the social and civilized man.

LEGATION OF THE UNITED STATES,  
London, May 19, 1883.

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**106.—A NEW FISH-HATCHING APPARATUS.**

**By von LA VALETTE ST. GEORGE.\***

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

The hatching apparatus which, at my request, was sent to you by the Prorector of the Anatomical Institute, Professor Nussbaum, was invented by me and has been described in the Record of Microscopic Anatomy, Vol. XXI.†

The apparatus is intended for the breeding of *Salmonidæ*, and principally for small hatcheries and for the owners of ponds and creeks who have any running water and desire to have them stocked with young *Salmonidæ*. The operation of the same is quite simple. After the two troughs have been put one into the other, the impregnated eggs, to the number of 5,000, are placed on the wire bottom of the inside trough, and the opening of the receiving pipe on the outside trough is put under a stream of water. Through this pipe the water flows in and must circulate around the eggs from below. Passing through the wire on the sides of the inside trough, it is discharged on the opposite side of the entrance. The opening for the outlet of the water being higher than the sides of the wire openings prevents the young fish from floating against them. A sieve in front of this construction is quite unnecessary.

In Germany many hundreds of this apparatus are in use. They are practicable and are much praised. For the purpose of encouraging the distribution of the apparatus I have not had it patented.

BONN, January 31, 1883.

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\* Director of the Anatomical Institute at the University of Bonn, and president of the *Rheinischer Fischerei-Verein*.

† *Archiv für Mikroskopische Anatomie, Band XXI*. See also page 209 of this volume.—C. W. S.