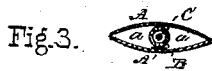
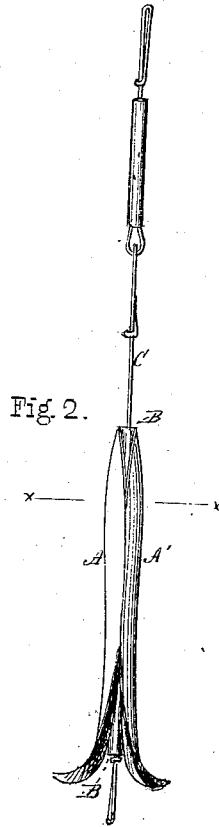
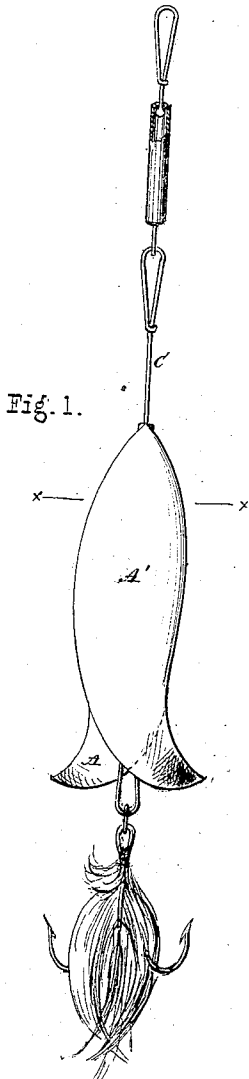


Wm. D. Chapman.

104930

Minnow Propeller.

PATENTED JUL 5 1870



Witnesses.

W. D. Chapman
James J. Mart

Inventor

Wm. D. Chapman
by Prindle and Ayer Attys.

United States Patent Office.

WILLIAM D. CHAPMAN, OF THERESA, NEW YORK.

Letters Patent No. 104,930, dated July 5, 1870; antedated May 4, 1870.

IMPROVEMENT IN MINNOW PROPELLERS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, WILLIAM D. CHAPMAN, of Theresa, in the county of Jefferson, and in the State of New York, have invented certain new and useful Improvements in Minnow Propellers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a side elevation of my device.

Figure 2 is an edge elevation of the same; and

Figure 3 is a cross-section on the line *x x* of figs. 1 and 2.

Letters of like name and kind refer to like parts in each of the figures.

My invention is an improvement upon revolving metallic bait for use in trolling for fish; and

It consists in constructing the bait or "propeller" of two corresponding plates of sheet-metal, having their contiguous concave faces secured together, so as to leave between a longitudinal opening, *a*, and to receive and inclose a metal tube for containing a double lock-snood, substantially as hereinafter shown.

In the annexed drawing—

A and *A'* represent two corresponding metal plates, constructed in the general form shown in fig. 1, and made slightly semi-circular, transversely, so that, when secured together with their concave sides inward, there is left between an opening, *a*.

The lower end of each plate curves to one side in the form of one half of a fish's tail, and is also curved outward or away from the opposite plate, as shown in fig. 2, so as to form a two-blade propeller.

Extending lengthwise through and secured within the center of the opening *a*, between the plates *A* and *A'*, is a small tube, *B*, through which passes a double metallic snood, *C*, that, besides its ordinary use,

serves as a swivel-rod upon which the propeller revolves.

The plates *A* and *A'* are not parallel longitudinally, but spread slightly apart toward their lower ends, by which means, less curvature is required at the tail, and an equal result produced with less draught.

The plates are preferably constructed of two kinds or colors of metals, but, if desired, said plates may have the same color, and, for most kinds of use, would operate with equal success.

The especial advantages possessed by this construction of the propeller, are—

First, the space between the plates permits the passage of a column of water that would otherwise be forced to either side, in order to make room for the propeller, by which means, the draught of the latter is rendered much lighter and its action more regular.

Second, the particular construction of the propeller gives great strength, with comparatively little weight, and as its parts are perfectly balanced, there is no jerking or wabbling-motion to annoy and deceive the operator.

Having thus fully set forth the nature and merits of my invention,

What I claim as new, and desire to secure by Letters Patent, is—

A minnow propeller, constructed of two corresponding concave plates of sheet-metal, *A* and *A'*, secured together, so as to leave between a longitudinal opening, *a*, and to receive and contain a metal tube, *B*, for inclosing a double lock-snood, *C*, substantially as shown and for the purpose specified.

In testimony that I claim the foregoing, I have hereunto set my hand this 16th day of April, 1870.

Witnesses:

WILLIAM D. CHAPMAN.

JASON C. MORROW,

P. B. SALISBURY.