C. W. LANE.

ARTIFICIAL FISH BAIT.

APPLICATION FILED JAN. 14, 1913.

1,068,908.

Patented July 29, 1913.

Fig. 1.

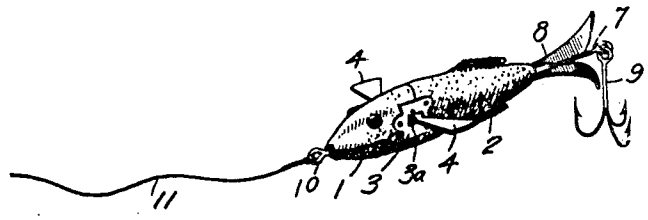


Fig. 2.

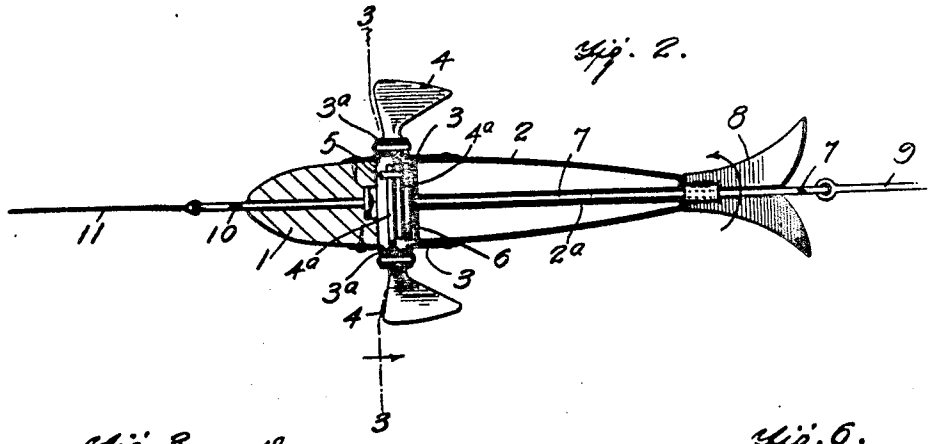


Fig. 3.

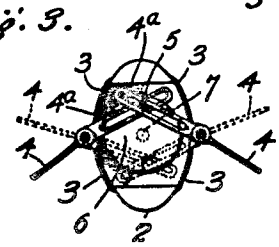


Fig. 6.

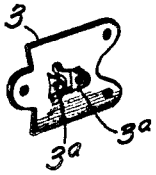


Fig. 5.

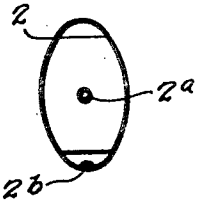


Fig. 4.

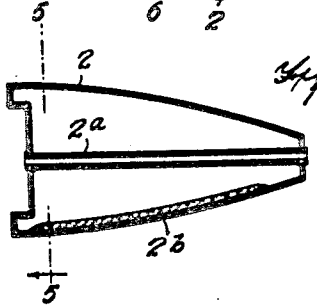
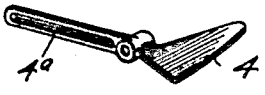


Fig. 7.



WITNESSES

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ARTIFICIAL-FISH BAIT.

1,068,908. Specification of Letters Patent. Patented July 29, 1913.

Application filed January 14, 1913. Serial No. 741,947.

To all whom it may concern:

Be it known that I, CHARLES W. LANE, a citizen of the United States, and a resident of Madrid, in the county of St. Lawrence and State of New York, have invented an Improvement in Artificial-Fish Baits, of which the following is a specification.

My invention is an artificial minnow having side or pectoral fins adapted to be oscillated vertically so as to simulate the natural minnow, the oscillation being effected by suitable connection of the fins with a longitudinal shaft having a tail spinner which is rotated by friction with the water as the minnow is drawn through the latter.

My invention further includes a novel construction of the body of the minnow, it being formed of two principal parts which are connected by metal side plates that serve also as fulcrums for the side fins.

The details of construction, arrangement, and operation of parts are as hereinafter described and illustrated in the accompanying drawing, in which—

Figure 1 is a perspective view of the artificial minnow. Fig. 2 is a horizontal section of the same. Fig. 3 is a transverse section on the line 3—3 of Fig. 2. Fig. 4 is a vertical longitudinal section of the rear portion of the minnow body. Fig. 5 is a cross section on the line 5—5 of Fig. 4. Fig. 6 is a perspective view of one of the metal side plates connecting the two parts of the body and serving as fulcrums for the fins. Fig. 7 is a perspective view of one of the fins.

The body of the minnow is composed of parts 1 and 2, the former including the head and the latter the tail. These two parts are connected by means of metal side plates 3 which serve also as fulcrums for the side or pectoral fins 4.

The contiguous ends of the parts 1 and 2 are cut out on the sides, as indicated in Figs. 2 and 4, but meet at top and bottom, as indicated in Fig. 1, thus providing a chamber for the slotted arms 4^a of the fins 4 which work in contact with each other, being in parallel planes, as shown in Fig. 2. The side plates 3 are provided with apertures and lateral lugs 3^a in which the fins are pivoted as shown.

The slotted arms 4^a of the fins receive a wrist-pin 5—see Figs. 2 and 3—which projects from a disk or crank 6 that is fixed on a longitudinal shaft 7 journaled in the rear or tail portion 2 of the body. That is to say, the part 2 is constructed hollow and is traversed endwise and centrally by a small tube 2^a which is soldered or otherwise secured to the body at each end. A balance weight 2^b formed of lead or other heavy metal is secured at the bottom of the part 2, as shown in Figs. 4 and 5, and serves to keep the minnow right side up in the water. The space surrounding the tube is preferably air tight.

A spinner 8 is fixed on the rearwardly projecting end of the shaft 7 and a multiple-pronged hook 9 is also jointed to the same.

The head portion 1 of the body is provided with a rotatable eyed rod 10 which serves for attachment of a line 11 for drawing the minnow through the water.

It will now be understood that when the minnow is drawn through the water, the friction of the spinner 8 with the latter will cause rotation of the shaft 7 on which it is fixed and the consequent rotation of the crank or disk 6 will oscillate the fins 4 in a vertical plane, so that they simulate, in a way, the movements of the fins of the natural minnow.

Thus constructed, the artificial minnow forms a most effective fish lure.

I propose to construct the body consisting of parts 1 and 2 of wood or any other suitable light material.

What I claim is:—

1. The artificial minnow comprising an elongated body having fins pivoted in the sides and projecting laterally, the inner arms of said fins being provided with slots, a rotatable shaft extending from the fins through the rear portion of the body and provided with a tail spinner which is fast

on the shaft, a crank arranged transversely on the head of the shaft and provided with a wrist-pin which projects through the slots of the fin arms, as described.

2. An artificial minnow comprising alined head and rear portions and metal side plates attached to and rigidly connecting such parts, laterally extended fins pivoted in the side plates, and means for operating the same, as described.

CHARLES W. LANE.

Witnesses:
A. D. WHITNEY,
LOIS I. PHILLIPS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."