(No Model.)

H. LOFTIE.

GANG SPOON BAIT.

No. 418,200. Patented Dec. 31, 1889.

Fig. 1.

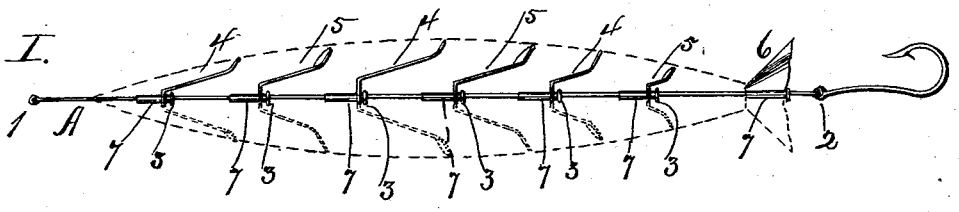


Fig. 2.

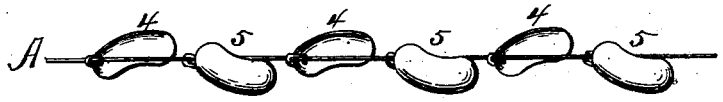
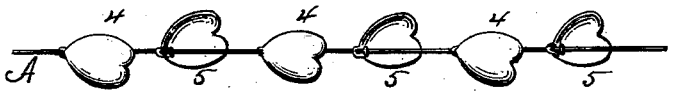


Fig. 3.

Fig. 4



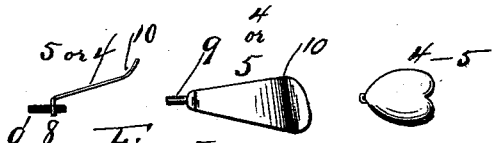


Fig. 5.

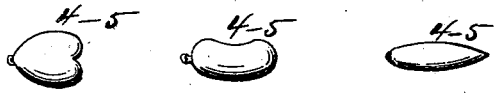
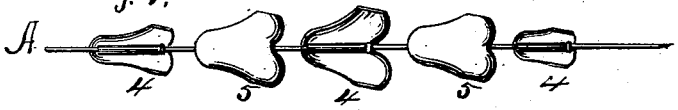


Fig. 6

Fig. 7.



Witnesses

Howard P. Denison

Frank D Ennis

Henry Loftie Inventor

By his Attorneys

Smith & Denison

UNITED STATES PATENT OFFICE.

HENRY LOFTIE, OF SYRACUSE, NEW YORK.

GANG SPOON-BAIT.

SPECIFICATION forming part of Letters Patent No. 418,200, dated December 31, 1889.

Application filed October 26, 1888. Serial No. 289,228. (No model.)

To all whom it may concern:

Be it known that I, HENRY LOFTIE, of Syracuse, county of Onondaga, in the State of New York, a citizen of the United States, have invented certain new and useful Improvements in Gang Spoon-Bait, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation. Fig. 2 is a plan view showing kidney fliers. Fig. 3 is a like view showing oval fliers. Fig. 4 is a like view showing heart fliers. Fig. 5 represents a detached side elevation and also a top plan view of the flier shown in Fig. 1. Fig. 6 are detached plan views of the kidney, heart, and oval fliers. Fig. 7 is a side elevation of a gang spoon-bait using shield-shaped fliers of graduated size.

My invention relates to trolling spoons or spoon-baits for catching fish, and especially to that class thereof which are composed of multiple fliers or spoons all revolving about a single wire.

The object of my invention is to produce such a spoon-bait of improved construction, calculated to more readily deceive the fish, and therefore better adapted to catch them.

My invention consists in the several novel features of construction and operation hereinafter described, and which are specifically set forth in the several clauses of claim hereto annexed.

It is constructed as follows: A is the main rod or wire, provided with a line-eye at one end, a hook-eye 2 at the other end, and with the stops 3 thereon, and 4, 5, and 6 are the fliers or spoons mounted upon the rod above each stop, either by the flier being secured to a loose sleeve 7, fitting over the rod, or by an ordinary eye secured to each flier and fitting over the rod or draw-wire. The fliers 4 5 consist of a partially quadrant-shaped piece of sheet metal, bent at 8, to be secured to the barrel 9, and adjacent to the outer end bent with either a positive angle or with a curve 10 on a line diagonally to the center line of the flier, so as to present a diagonal frictional surface to the water and cause the flier to rotate through the diagonal friction.

In Fig. 1 I show the fliers 4 5 as graduated in size, smaller at each end and larger toward the center, and also as provided with a tail flier of larger size than the body flier adjacent to it, all of which together when rotating will approximate with their outer ends substantially to the form of a fish minnow, as shown by the dotted lines; and I furthermore show the fliers 4 with their outer ends bent or twisted to rotate in one direction and the fliers 5 so bent as to rotate in the opposite direction; but I do not limit myself either to this graduation in size of the fliers, for I may make them all of uniform throw away from the wire, or I may dispense with the tail flier 6, if I desire, or I may arrange the fliers so that they will all rotate in one direction; nor do I limit myself to the use of the barrel upon the wire to carry the flier, for I may dispense with the barrel entirely, simply putting a hole through the end of the flier to receive the wire. Neither do I desire to limit myself to the form of the fliers shown in Fig. 1, for I may desire also to use either the kidneys shown in Fig. 2, or the ovals shown in Fig. 3, or the hearts shown in Fig. 4, or any other form of flier known to fishermen, the principle of my invention being the use, in a spoon-bait, of multiple fliers arranged upon a single draw-wire, and adapted either to all rotate in one direction or alternately to rotate in different directions, all being either of uniform size and throw while rotating or of graduated size, to form when rotating a similitude to the body of a minnow, and either with or without a flier to imitate the tail of a minnow.

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

1. A spoon-bait consisting of a draw-wire, the stops thereon, and multiple fliers rotating around the wire and decreasingly graduated in size toward each end from the center, substantially as described.

2. In a spoon-bait, a flier widened, rounded, and bent at an angle to the body at its outer end, thence tapered to the inner end and there bent and perforated to receive the draw-wire, in combination with a draw-wire and a stop thereon, substantially as described.

3. In a spoon-bait, a flier widened, rounded, and bent to an angle to the body at its outer end, thence tapered to the inner end and there secured to a barrel fitting over the draw-wire,

in combination with the draw-wire and stop thereon, substantially as described.

4. A spoon-bait consisting of a draw-wire, the stops thereon, multiple fliers rotating around the wire and graduated in size toward each end from the center, and a tail flier larger than the adjacent body flier rotating upon the draw-wire, substantially as described.

5. A spoon-bait consisting of a draw-wire, multiple small fliers of uniform size mounted and rotating thereon, and stops upon the wire for each flier.

In witness whereof I have hereunto set my hand this 1st day of August, 1888.

HENRY LOFTIE.

In presence of—
C. W. SMITH,
H. P. DENISON.