(No Model.)

C. E. WHITE.

FISH LANDING NET.

No. 407,709. Patented July 23, 1889.

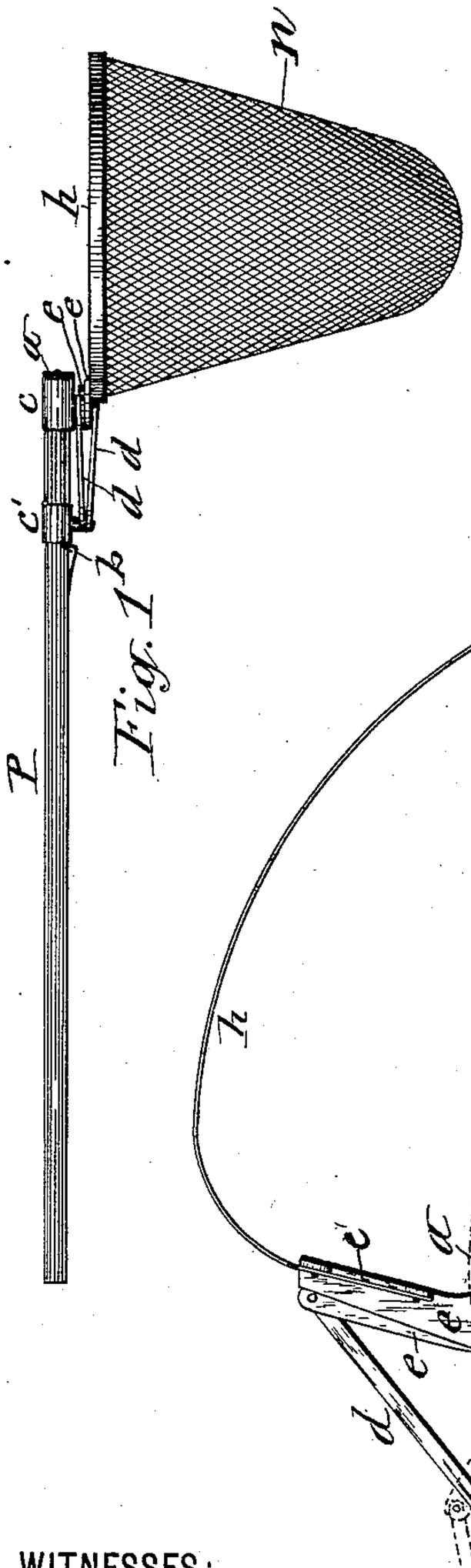

Fig. 1

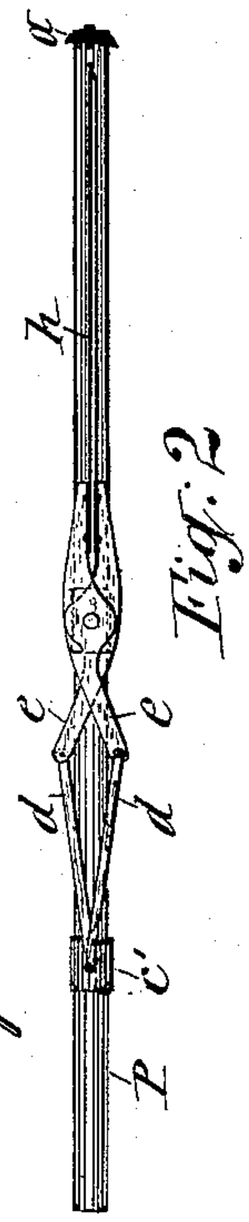

Fig. 2

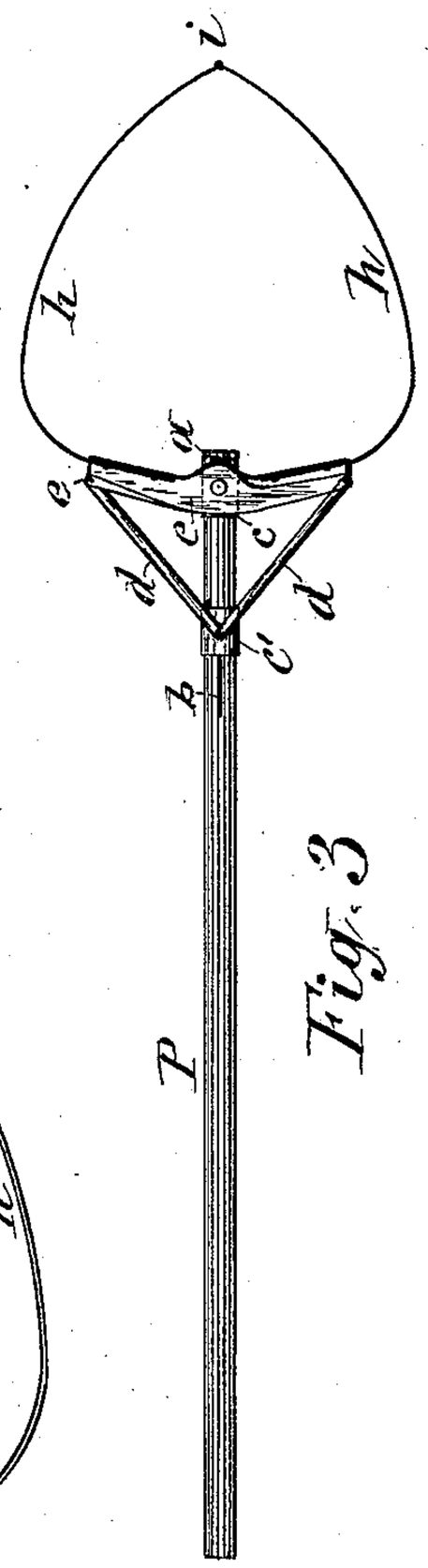

Fig. 3

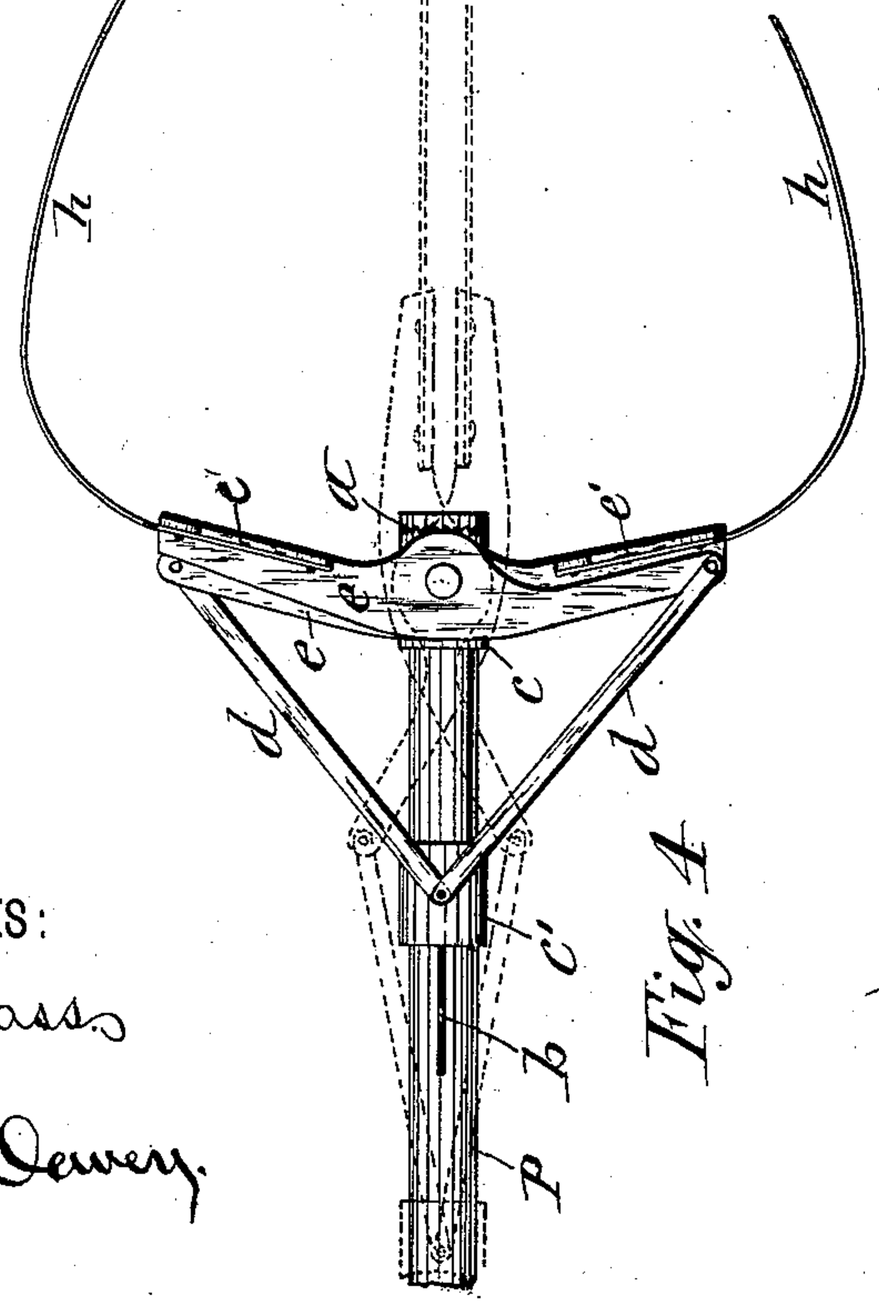

Fig. 4

WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES E. WHITE, OF SYRACUSE, NEW YORK.

FISH-LANDING NET.

SPECIFICATION forming part of Letters Patent No. 407,709, dated July 23, 1889.

Application filed November 14, 1888. Serial No. 290,857. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. WHITE, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Fish-Landing Nets, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention consists in a novel construction and combination of the components of a fish-landing-net holder which is adapted to be readily folded into a compact form for conveniently carrying it about and stowing it in a boat, and also adapted to be readily brought into condition for use when required, all as hereinafter more fully described, and specifically set forth in the claims.

In the annexed drawings, Figure 1 is a side view of my invention in position for use. Figs. 2 and 3 are skeleton inverted plan views showing the net-holder respectively in folded and distended conditions, and Fig. 4 is an enlarged skeleton inverted plan view showing the net-holder in both of the aforesaid conditions.

Similar letters of reference indicate corresponding parts.

P represents a pole on which are mounted movably longitudinally two ferrules *c c'*. A cap or collar *a* is secured to one end of the pole to serve as a stop to prevent the ferrules from slipping off from said end of the pole. The side of the cap facing the end of the ferrule *c* is serrated or provided with projections adapted to enter corresponding notches in the end of said ferrule, and thereby prevent the latter from turning on the pole. A spring-catch *b* is connected to the pole in such a position as to confine the two ferrules between said catch and stop *a* when required to hold the net in a distended condition, as hereinafter described. Said catch *b* can be depressed to allow the ferrules to slip over it when desired to fold the net-holder.

To the ferrule *c* are pivoted, intermediate of their lengths, two braces *e e*, which are each provided at one end with a rib *e'* for the attachment of the hoop *h*, to which the net *n* is attached. Said hoop is composed of two flexible parts hinged together at one end, as shown at *i*, and firmly secured at their opposite ends to the two ribs *e' e'*, as best seen in Fig. 4 of the drawings.

d d denote stays or toggles, which are pivotally connected at one end to the ferrule *c'* and at the opposite ends to the two braces *e e* at the ends opposite to those to which the hoop *h* is attached.

The operation of my improved net-holder is as follows: To fold the apparatus, the catch *b* is to be depressed and the ferrules *c c'* to be slipped over said catch. The ferrules, being thus liberated from the catch *b*, allow the braces *e e* to turn on their pivots, so as to fold the two hoop-sections closely side by side and lie compactly lengthwise on the pole P, as represented by full lines in Fig. 2 of the drawings and by dotted lines in Fig. 4 of the drawings. To open the net, the operator pushes the ferrule *c'* toward the stop *a* until the ferrule *c* is brought into contact with said stop, and the ferrule *c'* has slipped over the catch *b*, which then confines the two ferrules in their position, and when in said position the toggles *d d* hold the braces *e e* in laterally-extending position, and thus hold the net open or distended ready for use.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In combination with the pole P, provided with the stop *a* and catch *b*, and the ferrules *c c'*, mounted movably longitudinally on the pole, the braces *e e*, pivoted at the central portions of their respective lengths to the outer ferrule *c*, the hoop-sections *h h*, attached at their extremities to one end of the said respective braces, and the toggles *d d*, connected to the opposite end of said braces and to the inner ferrule *c'*, substantially as described and shown.

2. In combination with the pole P, provided with stop *a* and catch *b* and the ferrules *c c'*, mounted movably longitudinally on said pole, the braces *e e*, pivoted in common at the central portion of their respective lengths to one and the same side of the outer ferrule *c*, the hoop-sections *h h*, attached at their extremities to one end of the respective braces, and the toggles *d d*, connected to the opposite end of said braces and to the inner ferrule *c'*, substantially as described and shown.

3. In combination with the pole P, provided with the stop *a* and catch *b*, and the ferrules *c c'*, mounted movably longitudinally on said pole, the braces *e e*, lying one upon the other and pivoted in common at the central portion of their respective lengths to one and the same side of the outer ferrule *c*, the hoop-sections *h h*, attached at their extremities to one end of the respective braces, and the toggles connected to the opposite end of said braces and pivoted in common to one and the same side of the inner ferrule *c'*, substantially as described and shown.

In testimony whereof I have hereunto signed my name, in the presence of two witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 10th day of November, 1888.

CHARLES E. WHITE. [L. S.]

Witnesses:
C. H. DUELL,
H. M. SEAMANS.