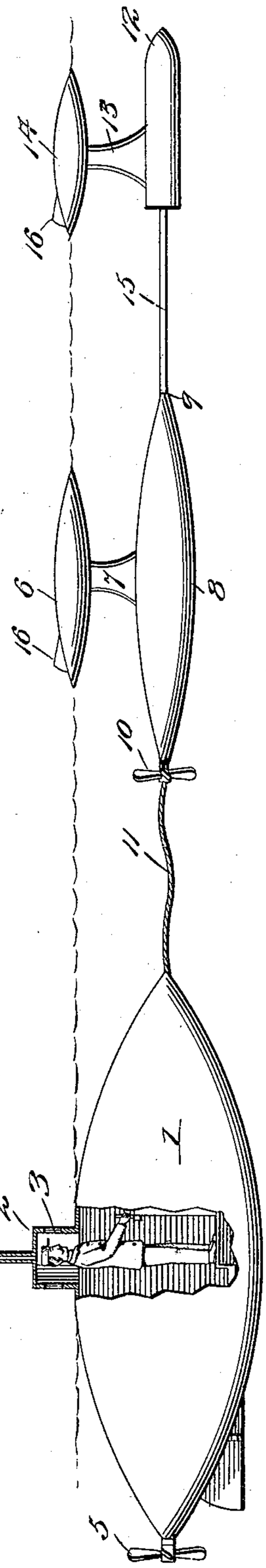
No. 704,050. Patented July 8, 1902.

A. KLINGER.

TORPEDO AND MEANS FOR PROPELLING SAME.

(Application filed Oct. 12, 1901.)

(No Model.)



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UNITED STATES PATENT OFFICE.

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TORPEDO AND MEANS FOR PROPELLING SAME.

SPECIFICATION forming part of Letters Patent No. 704,050, dated July 8, 1902.

Application filed October 12, 1901. Serial No. 78,476. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER KLINGER, a citizen of the United States, residing at Silverton, in the county of San Juan and State of Colorado, have invented new and useful Improvements in Torpedoes and Means for Propelling the Same, of which the following is a specification.

My invention relates to torpedoes and means for propelling the same.

The primary object of the invention is to provide means whereby a submarine torpedo may be controlled and sighted with accuracy to insure effective explosion thereof.

The invention comprises a boat or vessel adapted to contain the operator, a float provided with a propeller and connected to the bow of the boat, and a torpedo coupled to the front end of the float.

The invention also consists in the features of construction hereinafter fully described in connection with the accompanying drawing, forming a part of this specification, and its novel features will be defined in the appended claims.

The drawing represents a side elevation of a torpedo and propelling apparatus embodying my invention.

The reference-numeral 1 designates the hull of the boat, which is preferably of tapering form at its ends, as shown in the drawing, and is provided with a conning-tower 2, formed with a peep-hole 3. Rising from the conning-tower 2 is an air-pipe 4, curved downward at its upper end, admitting air to operator.

The boat 1 is adapted to be propelled by a propeller 5, which is operated by any preferred means arranged within the hull of the boat 1.

6 designates a float connected by means of a thin flat blade or standard 7 with a hollow float or shell 8, tapered to a point at its front end 9 and provided with a propeller 10, which is connected by means of a flexible connection 11 with the bow of the boat 1.

12 designates the torpedo, suspended by means of a blade or standard 13 from a float 14. The rear end of the torpedo-shell is connected by a rod 15 with the front pointed end 9 of the float or shell 8.

Each of the floats 6 and 14 is provided with a projecting wing 16, serving as sights and being alined with the opening 3 in the turret 2 to permit the operator to properly sight the torpedo.

The mode of operating the apparatus constructed as thus described is as follows: After the torpedo, attached to the float or shell 8 and the vessel 1, has been properly sighted the vessel is rapidly propelled to a position as close to the vessel to be destroyed as circumstances and safety will permit, after which the float or shell 8 is uncoupled from the boat 1 by any suitable means, when the float or shell, with the torpedo attached thereto, proceeds on its course, being driven by the propeller 10, the operator within the boat having meanwhile changed his course and steered his boat to a position of safety.

As any preferred means may be employed for operating the propeller-shafts and such means do not constitute a feature of the present invention, it has not been deemed necessary to show any propelling mechanism.

I claim—

1. Means for propelling and controlling a torpedo comprising a vessel equipped with a propeller; a float or shell connected with said vessel and also provided with a propeller; a float supported above said float or shell; a torpedo connected to the forward end of said float or shell and suspended from a float.

2. Means for propelling and controlling a torpedo comprising a vessel equipped with a propeller; conning-tower rising from said vessel and formed with a sight-opening; a float or shell secured to the vessel; and also provided with a propeller; a float supported above said float or shell and provided with a projecting sight; a torpedo secured to the forward end of said float or shell; and a float supported above the torpedo and provided with a projecting sight.

3. Means for propelling and controlling a submarine torpedo comprising a vessel

equipped with a propeller, a turret formed with a sight-opening, an air-pipe; a float or shell having a propeller and secured detachably to the vessel, a float supported above the shell, a torpedo secured to the front end of said shell, and a float supported above the torpedo.

In testimony whereof I affix my signature in presence of two witnesses.

ALEXANDER KLINGER.

Witnesses:
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