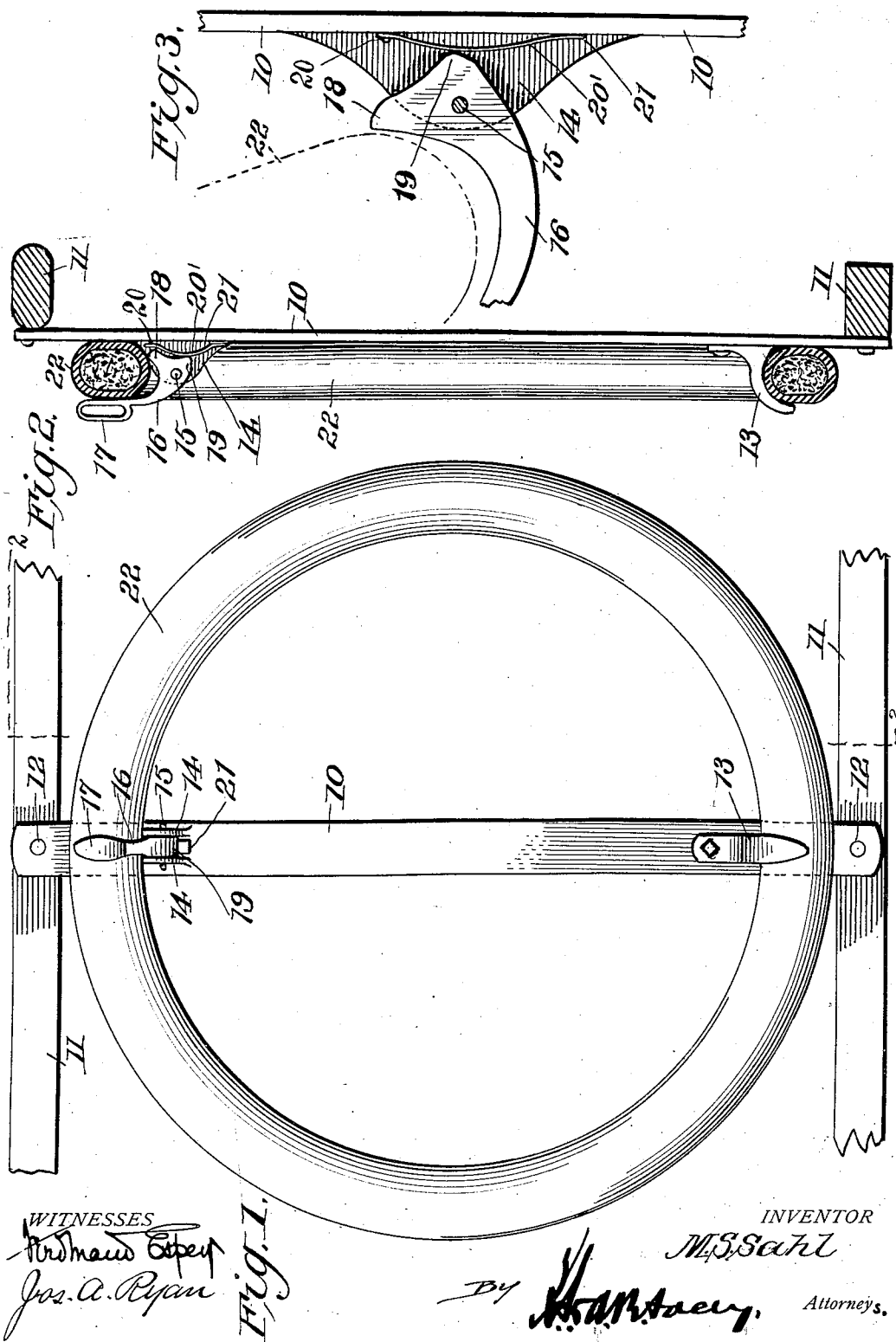


1,085,759.

Patented Feb. 3, 1914.



UNITED STATES PATENT OFFICE.

MOODY S. SAHL, OF CRIPPLE CREEK, COLORADO.

LIFE-BUOY FASTENER.

1,085,759.

Specification of Letters Patent.

Patented Feb. 3, 1914.

Application filed October 11, 1912. Serial No. 725,333.

To all whom it may concern:

Be it known that I, MOODY S. SAHL, citizen of the United States, residing at Cripple Creek, in the county of Teller and State of Colorado, have invented certain new and useful Improvements in Life-Buoy Fasteners, of which the following is a specification.

This invention relates to devices for holding life buoys and similar objects and instantaneously releasing the same, and has for one of its objects to improve the construction and increase the efficiency and utility of devices of this character.

Another object of the invention is to provide a support for a life buoy which firmly retains the buoy in position under normal conditions, but whereby the life buoy may be instantly released when required and without detaching any of the parts.

Another object of the invention is to provide a simply constructed device whereby the object supported may be released by force applied directly to the object or to the holding mechanism, as may be preferred.

With these and other objects in view, the invention consists in certain novel features of construction as hereinafter shown and described and then specifically pointed out in the claims, and in the drawings illustrative of the preferred embodiment of the invention: Figure 1 is a front elevation of a portion of a taffrail of a vessel with the improvement in position thereon; Fig. 2 is a side elevation in section on the line 2—2 of Fig. 1; Fig. 3 is an enlarged sectional detail of the movable holder.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The improved device comprises a supporting body 10 which may be of any suitable size and any suitable material, and is provided with means at the ends for attachment to a taffrail or other portion of a vessel, the latter being represented conventionally at 11. The body 10 is provided with apertures 12 at the ends to receive fastening devices whereby it is connected to the taffrail or other support. Connected to the body 10 near its lower end is a downwardly directed hook 13, and projecting from the body near the upper end are spaced ears 14 through which a pivot pin 15 extends. Pivoted upon the pin 15 is a holding arm 16 which is curved outwardly and upwardly and is pro-

vided with a pull slot or handle 17 at its free end. At its inner end the arm 16 is provided with projections 18—19 extending therefrom at opposite sides of the pivot pin and forming "toes" to assist in the operation. Connected at 20 to the body 10 is a flat or leaf spring 20' which extends into engagement with the arm 16 between the toes 18—19 and bears at its free end at 21 against the body 10. The hook 13 and the hooked arm 16 are designed to support a life buoy represented conventionally at 22. By this means the spring operates against the toe 10 and holds the arm 16 in its operative position and retains the life buoy in place against accidental displacement, but when the life buoy is required for use it is only necessary to draw the arm 16 outwardly by power applied to the handle 17 to cause the toe 19 to depress the spring 20' while the toe 18 serves as a "kicker" to move the life buoy downwardly free from the hook 13 and into the hand of the operator of the holding arm. By this simple means it will be obvious that the life buoy is instantly released, and no time is lost in detaching connected parts.

It frequently happens that valuable time is lost in releasing the life buoys, but with the improved device such loss of time is entirely eliminated as the life buoy is released as quickly as it can be grasped by the hand.

Having thus described my invention, what I claim is:

1. A support, a hanger pivoted to said support and with a toe projecting therefrom at one side of the pivot and a stop arm directed therefrom at the other side of the pivot and extending in parallel relation to the support and constantly spaced therefrom, and a body bearing upon said toe and against said arm, the weight of the body retaining the arm in vertical position and yieldably holding the body from displacement.

2. In a device of the class described, a support, a hook carried by said support, a hanger pivoted to said support and spaced from said hook and having a toe projecting therefrom at one side of the pivot and extending in parallel relation to the support and constantly spaced therefrom and an arm projecting therefrom at the other side of the pivot, and an annular body engaged respectively by the hook and the hanger, the body yieldably retaining the arm in engagement with the body by its gravity.

3. In a device of the class described, a sup-

port, a downwardly opening hook carried by
said support, a hanger pivoted to said sup-
port and spaced from said hook and having
an upwardly directed toe projecting there-
5 from at one side of the pivot and an up-
wardly directed arm projecting therefrom at
the other side of the pivot and extending in
parallel relation to the support and con-
stantly spaced therefrom, and an annular
10 body engaged respectively by the hook and
the hanger, the body yieldably maintaining
the arm in engagement with the body by its
gravity.

4. A support, a hanger pivoted to said
15 support and with a toe projecting therefrom

at one side of the pivot and a stop arm di-
rected therefrom at the other side of the
pivot and extending in parallel relation to
the support and constantly spaced there-
from, a body bearing upon said toe and 20
against said arm, and a spring bearing
against said toe and holding the arm yield-
ably against the body.

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

MOODY S. SAHL.) [L. S.]

Witnesses:

J. CHARLES DE LONGCHAMPS.

E. J. MAY.

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