

No. 697,149.

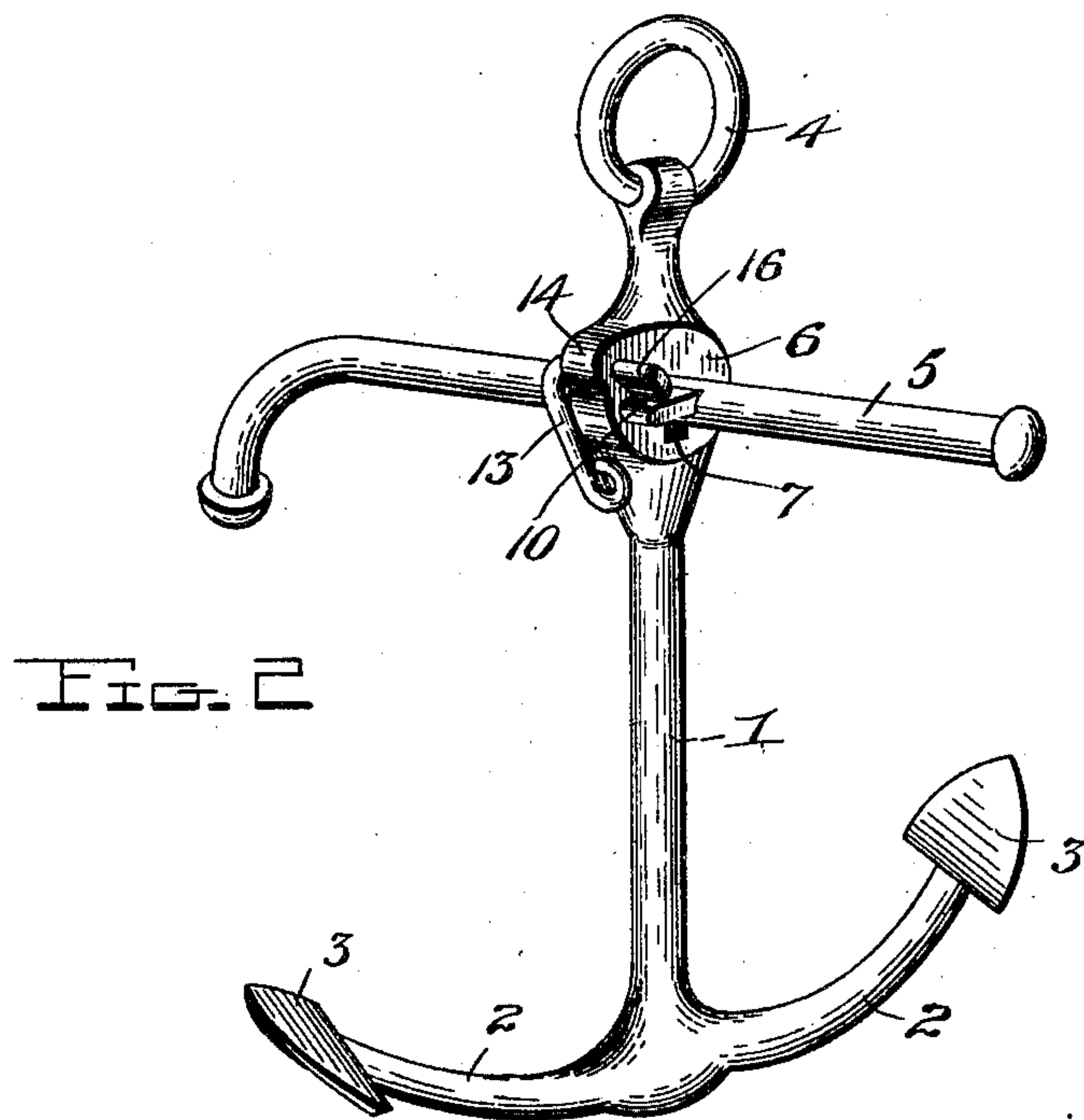
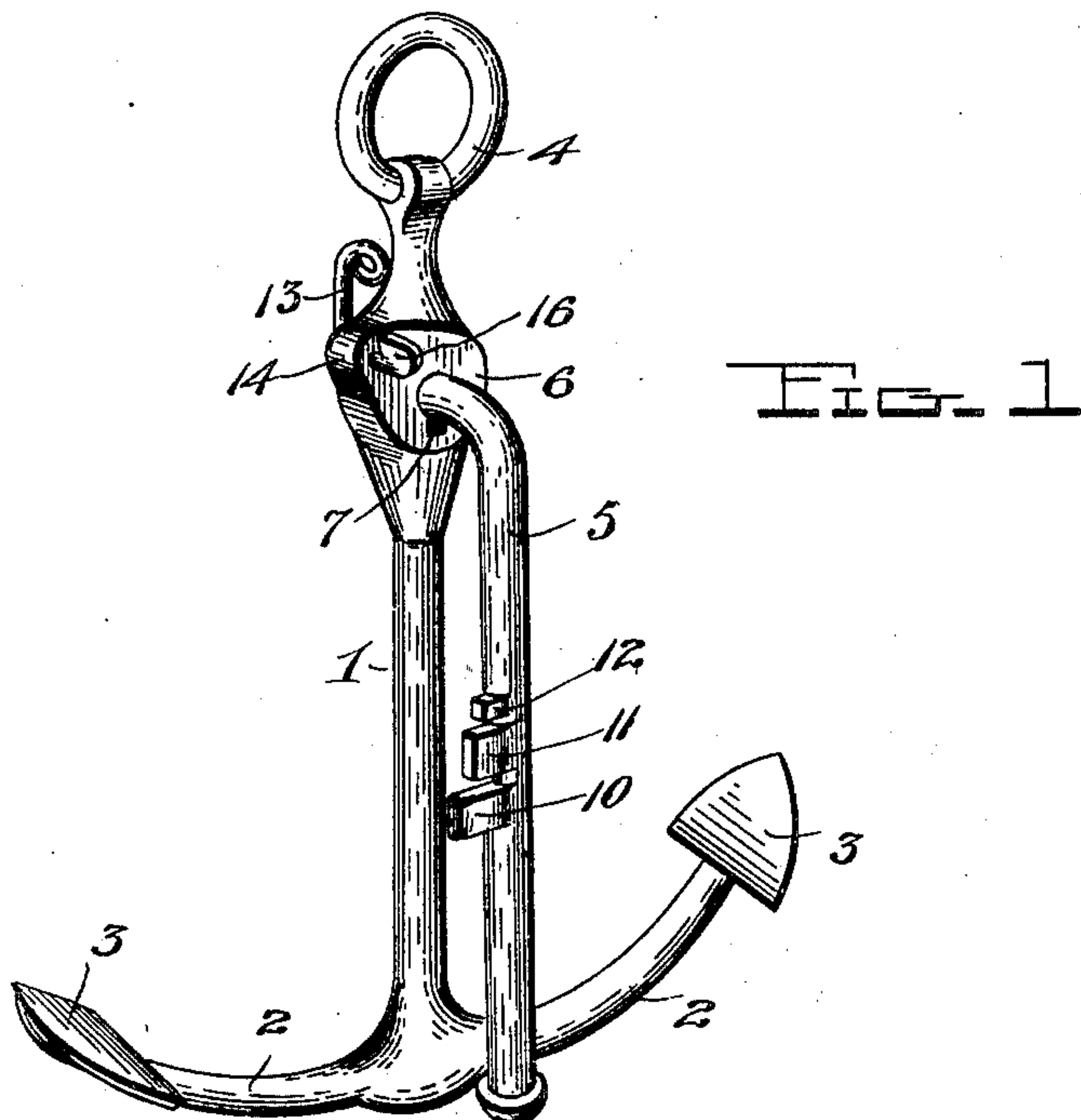
Patented Apr. 8, 1902.

F. W. KENNEY.
SHIP'S ANCHOR.

(Application filed Aug. 8, 1901.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses

J. A. Griesbauer, Jr.
J. H. Wilson

By

By F. W. Kenney
H. B. Wilson & Co.

Inventor

Attorneys

F. W. KENNEY.

SHIP'S ANCHOR.

(Application filed Aug. 8, 1901.)

(No Model.)

2 Sheets—Sheet 2.

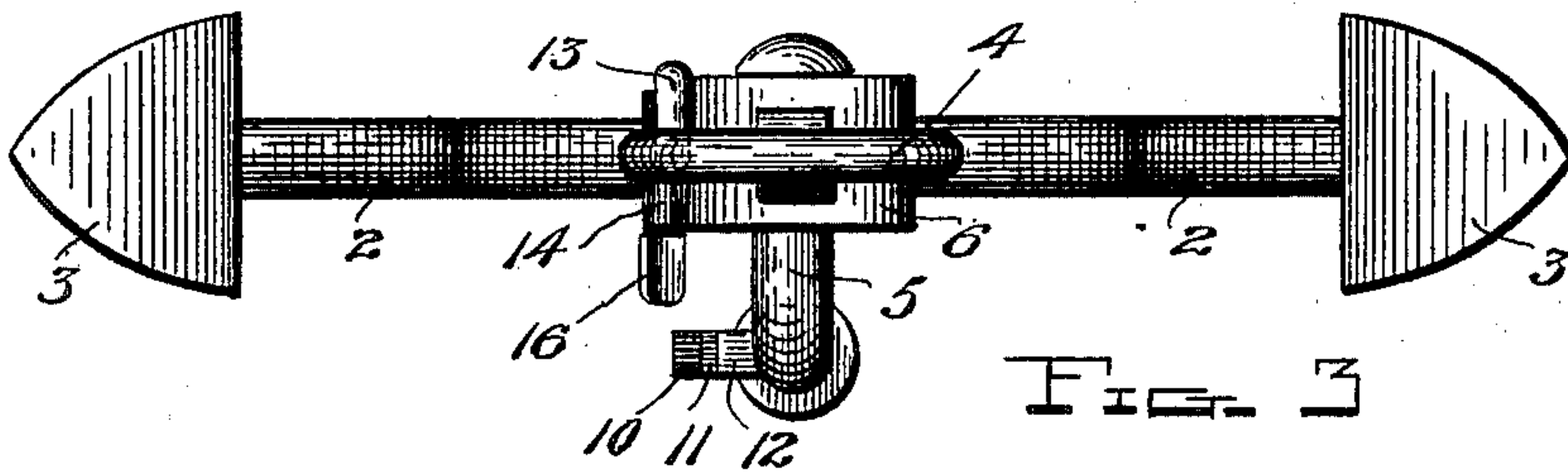


FIG. 3

FIG. 4

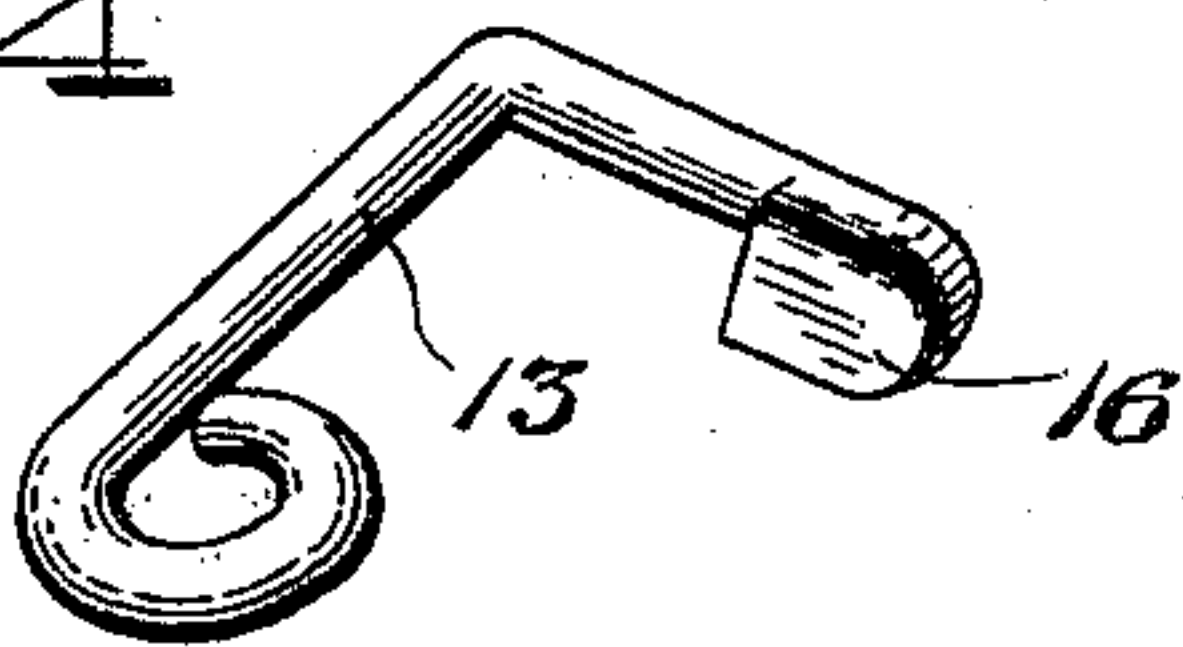


FIG. 5

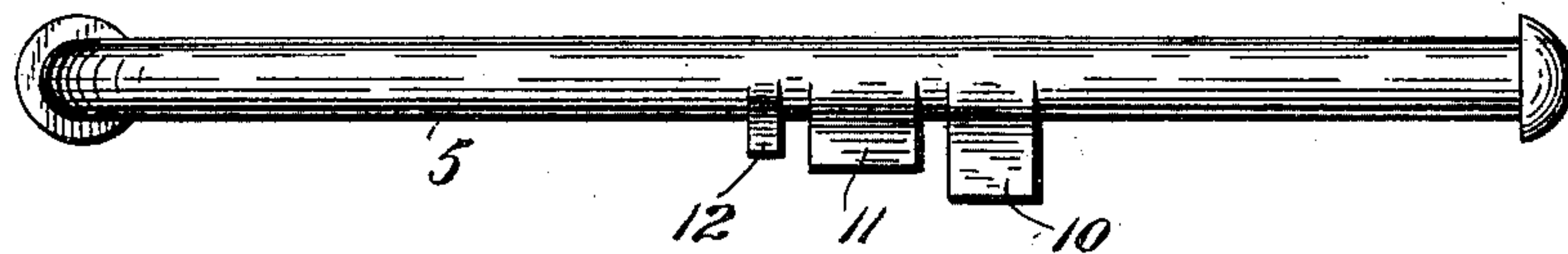


FIG. 6

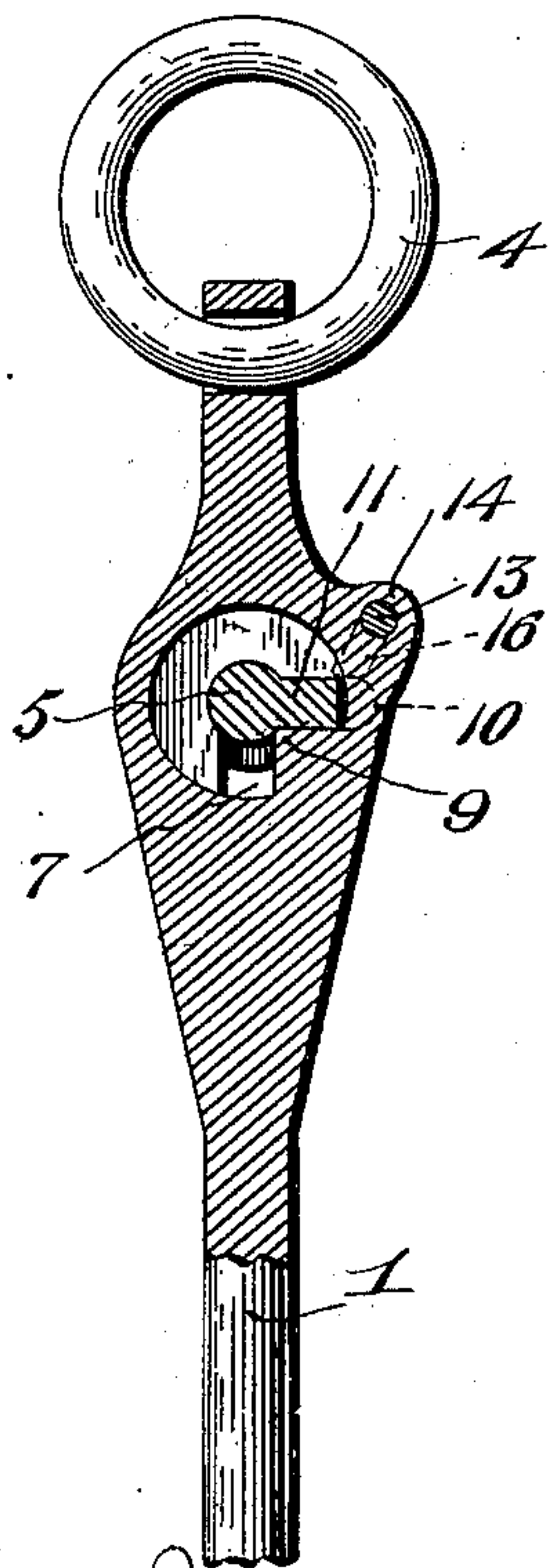
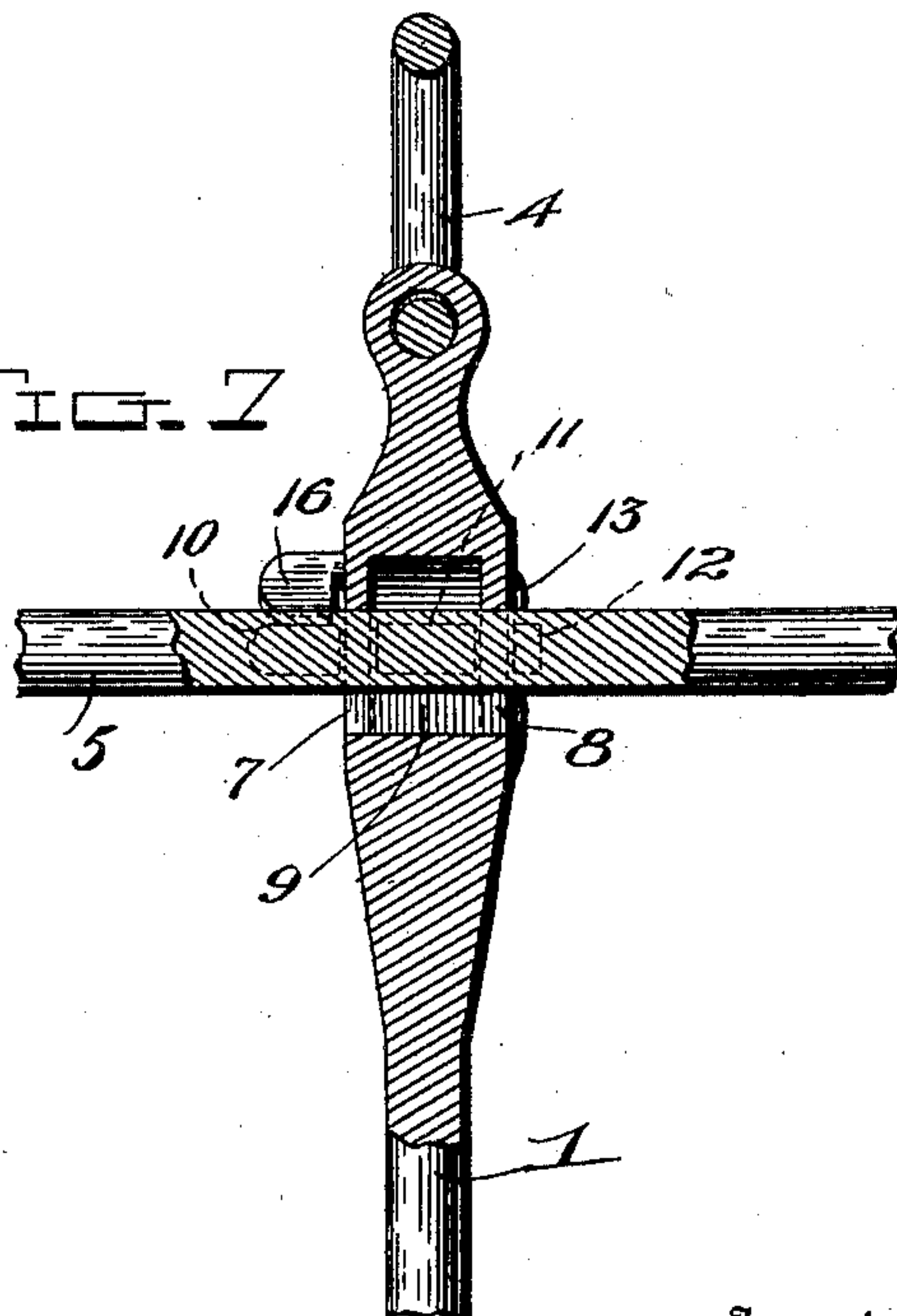


FIG. 7



Witnesses
J. A. Griesbauer, Jr.
J. H. Wilson

Inventor
F. W. Kenney
By
A. B. Wilson & Co.
Attorneys

UNITED STATES PATENT OFFICE.

FRANCIS W. KENNEY, OF PROVIDENCE, RHODE ISLAND.

SHIP'S ANCHOR.

SPECIFICATION forming part of Letters Patent No. 697,149, dated April 8, 1902.

Application filed August 8, 1901. Serial No. 71,391. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS W. KENNEY, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Ships' Anchors; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to ships' anchors.

The object of the invention is to provide an anchor which shall be simple of construction, durable in use, comparatively inexpensive of production, efficient in action, and one which may be expeditiously shipped and unshipped with a minimum amount of labor.

With this and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of an anchor, the stock thereof being shown in a position parallel with the shank. Fig. 2 is a similar view, the stock being shown adjusted at right angles to the shank and locked in that position. Fig. 3 is a top plan view with the parts in the position shown in Fig. 1. Fig. 4 is a detail view of the locking device. Fig. 5 is a similar view of the stock. Fig. 6 is a vertical sectional view through the upper end of the shank and the lock-casing with the stock in the position shown in Fig. 2, and Fig. 7 is a view taken at right angles to Fig. 6.

In the drawings, 1 denotes the shank, 2 the arms, 3 the flukes, 4 the cable-ring, and 5 the stock, of an anchor.

The present invention relates to the manner of connecting the stock to the shank and not to the construction of the anchor itself, and I therefore do not wish to be confined to any particular form of anchor or stock, but reserve to myself the right to apply my improvement to any style or construction of anchor capable of receiving it.

The shank near its upper end is provided with an enlarged head or lock casing 6, having registering keyholes 7 and 8 and an interior stop 9.

The stock is provided intermediate its ends with wards 10, 11, and 12, and when said stock is swung from the position shown in Fig. 1 upwardly and horizontally it may be moved through the keyholes until the ward 10, which is longer than either of the wards 11 or 12, abuts against the side of the lock-casing, and the ward 12, which is the smallest of the three, projects through the keyhole at the opposite side of the casing. This leaves the ward 11 within the casing, and by giving the stock a three-quarter turn the ward 11 is brought into contact with the stop 9 within the casing, thus checking further rotary movement of the stock in this direction and at the same time preventing the longitudinal movement of the stock within the lock-casing. Now to lock the stock in a retrograde movement I provide any suitable form of locking device, that shown in the accompanying drawings being preferred and consisting of a crank-lever 13, journaled in a bearing 14, cast integral on the side of the lock-casing and provided with a toe 16, which is forced downwardly and inwardly by the free end of the lever into engagement with the ward 10, the free end of the lever passing a dead-center, so that any tendency of the stock to rotate in a retrograde direction causes the free end of the lever to bear with force against the shank, and thereby more securely lock the stock against rotation. To release the stock to allow it to assume the position shown in Fig. 1 of the drawings, the free end of the lever is elevated, the stock is turned a part of a revolution or until the wards carried thereby are in proper position, when the stock may then be slipped longitudinally through the lock-casing and allowed to drop to the position shown in Fig. 1.

From the foregoing description, taken in connection with the accompanying drawings, the construction, mode of operation, and advantages of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and details of construction may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

Having thus described my invention, what

I claim, and desire to secure by Letters Patent, is—

1. The combination with an anchor-shank having a lock-casing provided with keyholes, 5 of a stock having graduated wards and capable of movement longitudinally through said keyholes, a stop arranged within the path of rotary movement of one of said wards to limit the rotary movement of said stock in one direction, and a locking device adapted to engage one of the other wards and prevent its rotation in an opposite direction, substantially as set forth. 10

2. The combination with an anchor-shank 15 provided with a lock-casing having alining keyholes and an internal stop, of a stock provided with graduated wards and capable of sliding through said keyholes, two of said

wards being located on the outer side of said lock-casing and one within said lock-casing, 20 which latter one is adapted to engage the stock within the said casing and thereby limit the rotation in one direction of the stock, and a crank-lever journaled in bearings and provided with a toe adapted to engage one of the 25 outer wards and prevent rotation of said stock in an opposite direction, said lever with its free end engaging said shank, substantially as set forth.

In testimony whereof I have hereunto set 30 my hand in presence of two subscribing witnesses.

FRANCIS W. KENNEY.

Witnesses:

WILLIAM F. KENNEY,
MARY J. KENNEY.