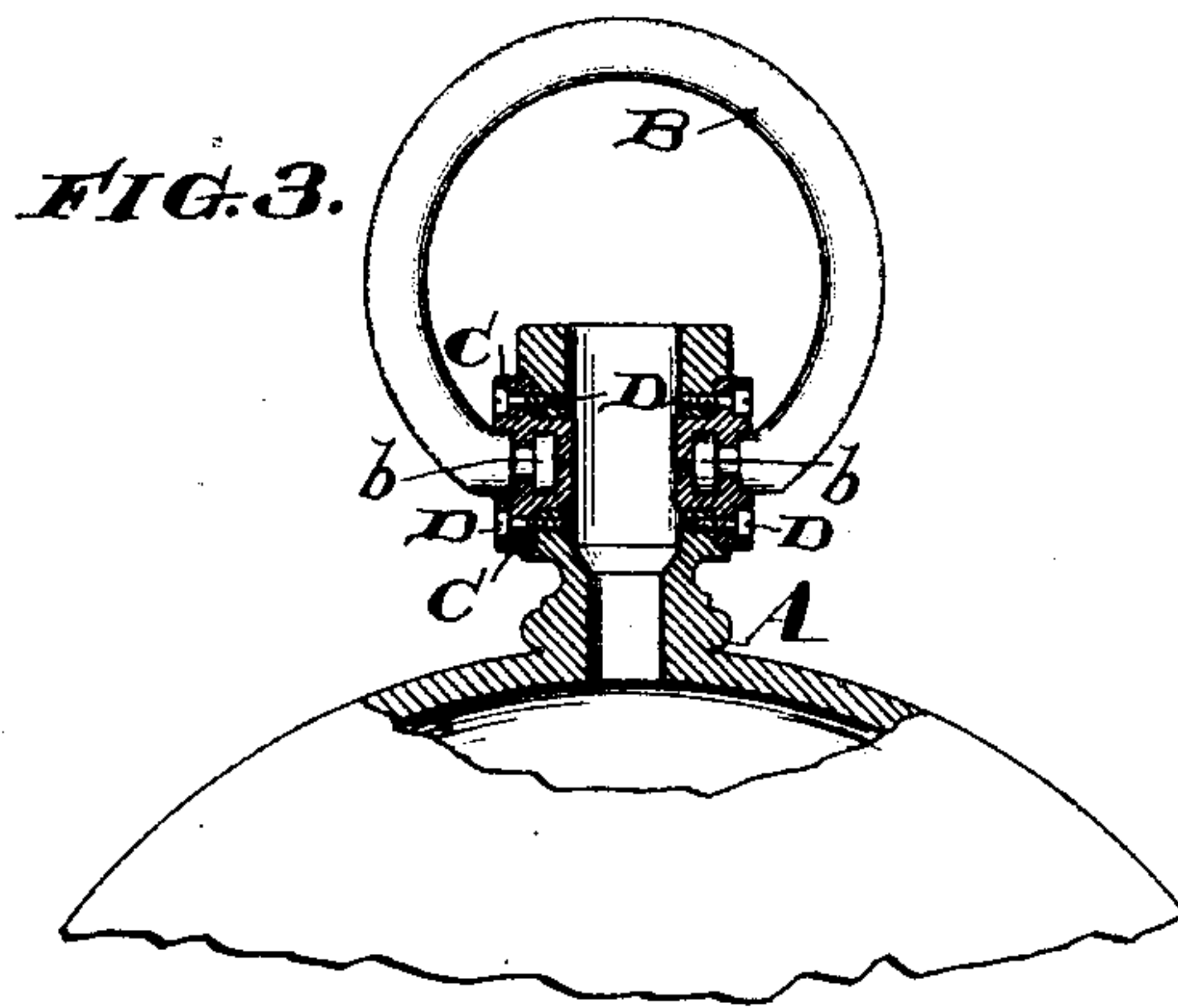
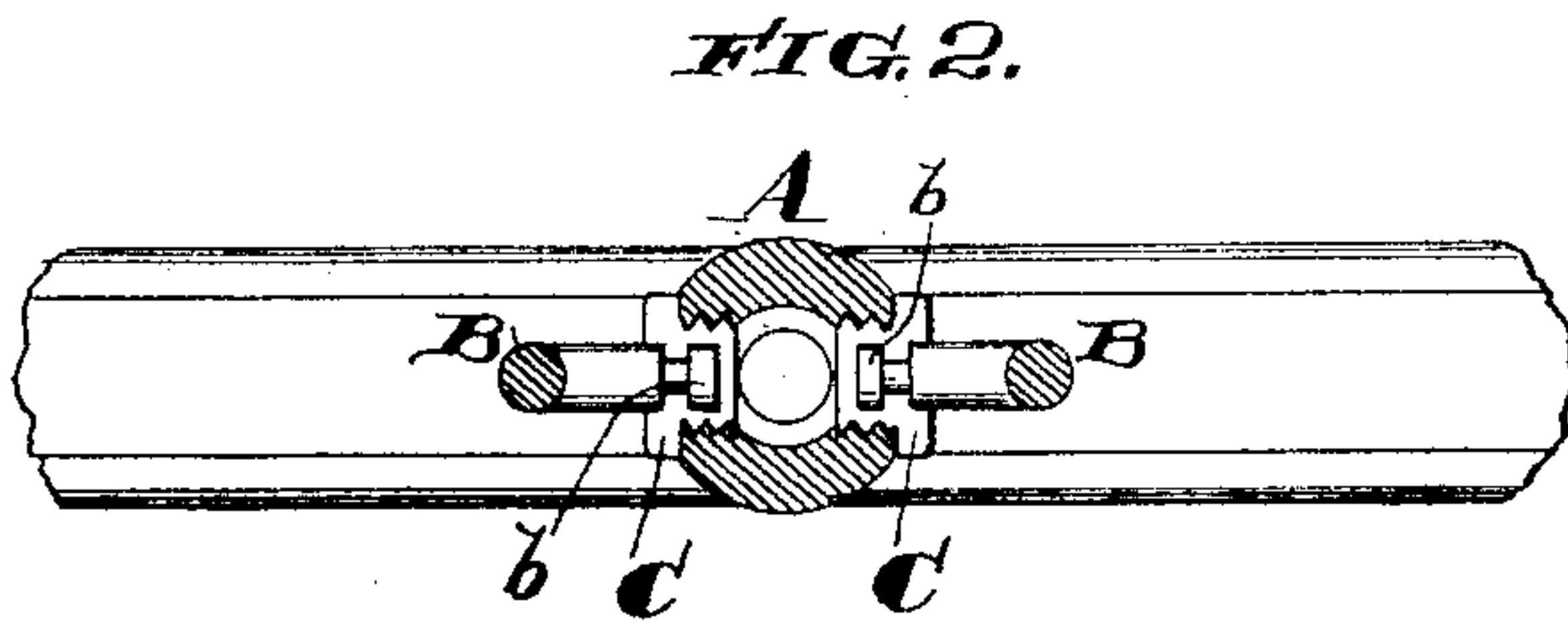
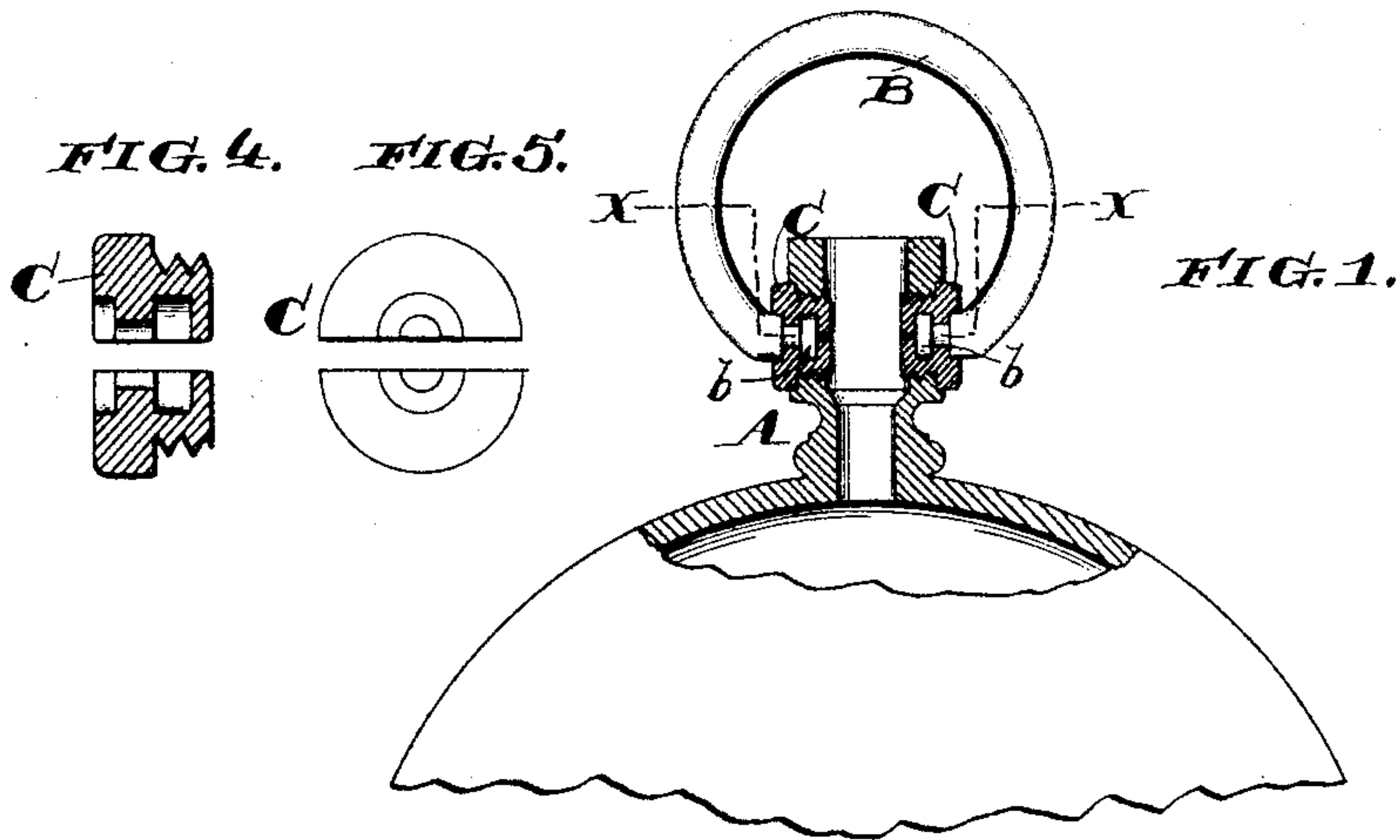


(No Model.)

F. MINK.
WATCH BOW FASTENER.

No. 460,074.

Patented Sept. 22, 1891.



Witnesses:
Henry D. Dwyer
A. J. Dwyer

Inventor:
Fritz Mink
By his atty
J. M. Mink

UNITED STATES PATENT OFFICE.

FRITZ MINK, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO THE KEY-STONE WATCH CASE COMPANY, OF PENNSYLVANIA.

WATCH-BOW FASTENER.

SPECIFICATION forming part of Letters Patent No. 460,074, dated September 22, 1891.

Application filed April 2, 1890. Serial No. 346,268. (No model.)

To all whom it may concern:

Be it known that I, FRITZ MINK, of the city and county of Philadelphia, and State of Pennsylvania, have invented an Improvement in Watch-Bow Fasteners, of which the following is a specification.

My invention has reference to watch-bow fasteners; and it consists of certain improvements which are fully set forth in the following specification, and shown in the accompanying drawings, which form a part thereof.

The object of my invention is to construct a convenient and economical device for securing the ends of a watch-bow to the pendant with freedom of motion therein.

In carrying out my invention I form the ends of the bow with bulbous ends or heads, preferably by forming annular grooves near their ends, and these ends are clamped in split socket-pieces which are suitably secured to the pendant.

The details of my invention are more fully disclosed in the drawings, in which—

Figure 1 is a side elevation, with part in section, of a portion of the watch-case, illustrating the principles of my invention. Fig. 2 is a sectional view of the same on line xx of Fig. 1. Fig. 3 is a similar view to Fig. 1, illustrating a modification of my invention. Fig. 4 is a sectional side elevation, on an enlarged scale, of one of the detached socket-pieces, and Fig. 5 is an end elevation of the same.

A is the watch-case pendant, which is provided on opposite sides with suitable apertures to receive the sockets.

B is the watch-bow provided on its ends with heads b , which are preferably formed by forming the ends of the bow with annular grooves.

C are the socket-pieces, which are formed of two or more parts and are suitably recessed to receive the ends of the bow, so that when the socket-pieces are placed together they will clamp the ends of the bow between them, forming suitable bearings to allow the necessary movement of the bow. These socket-

pieces are inserted in the apertures of the pendant. It is immaterial to my invention how they are secured to the pendant. They may be screwed in, as shown in Figs. 1 and 2, or attached by means of small pins or screws D, passing through the collars or flanges on the socket-pieces, as shown in Fig. 3, or they may be soldered in or otherwise suitably secured.

While I prefer the details of construction which are here shown, I do not limit my invention thereto, as they may be modified without departing from the spirit of the invention.

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

1. In a watch-bow fastener, the combination of a watch-pendant provided with apertures in its sides, a bow provided on its ends with enlargements or heads, longitudinally-divided sockets fitting said apertures in the pendant adapted to receive the heads of the ends of the bow and provided with integral collars on their outer portions, and fastening devices for fastening said integral collars to the body of the pendant.

2. In a watch-bow fastener, the combination of a watch-pendant provided with apertures in its sides and having its outer surface countersunk about said apertures, a watch-bow formed with heads or enlargements on its ends, longitudinally-divided socket-pieces adapted to be received in the apertures of the pendant and formed to receive the enlargements or heads of the ends of the bow and provided with collars or flanges which are received in the countersunk surface on the outside of the pendant, and means, substantially as described, to secure said socket-pieces to the pendant.

In testimony of which invention I have hereunto set my hand.

FRITZ MINK.

Witnesses:

H. M. KAIN,
JOSEPH M. CANFIELD.