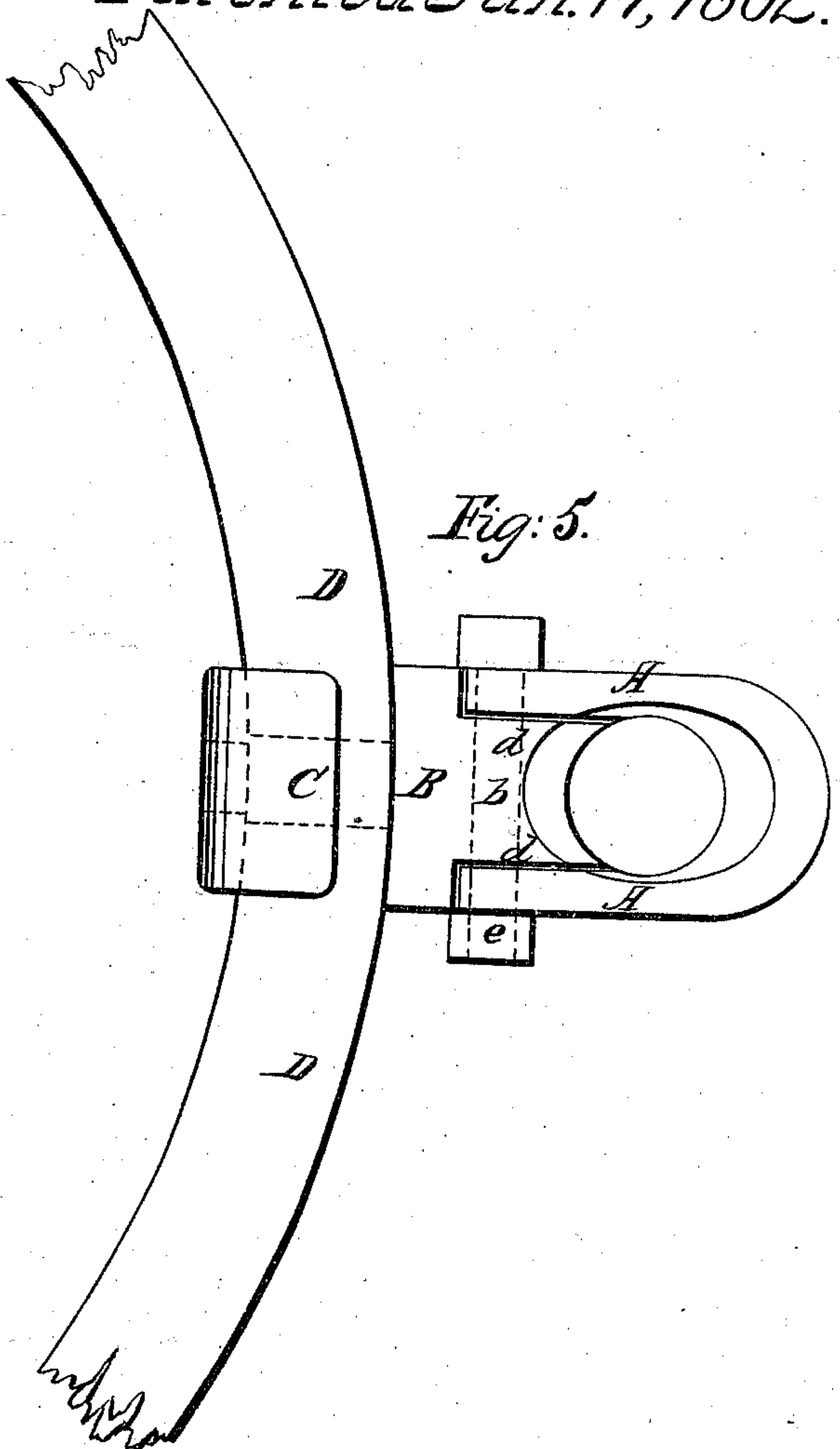
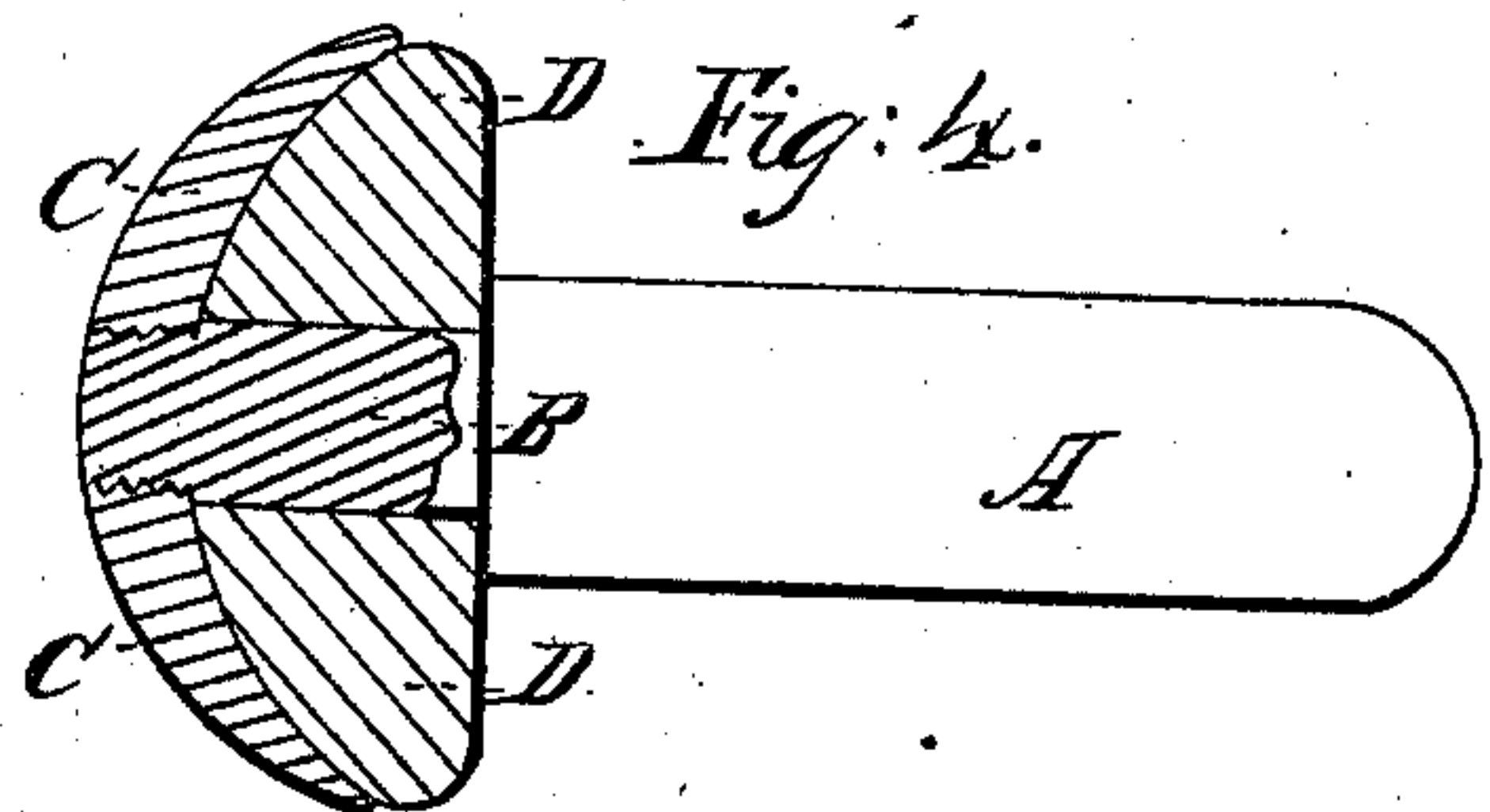
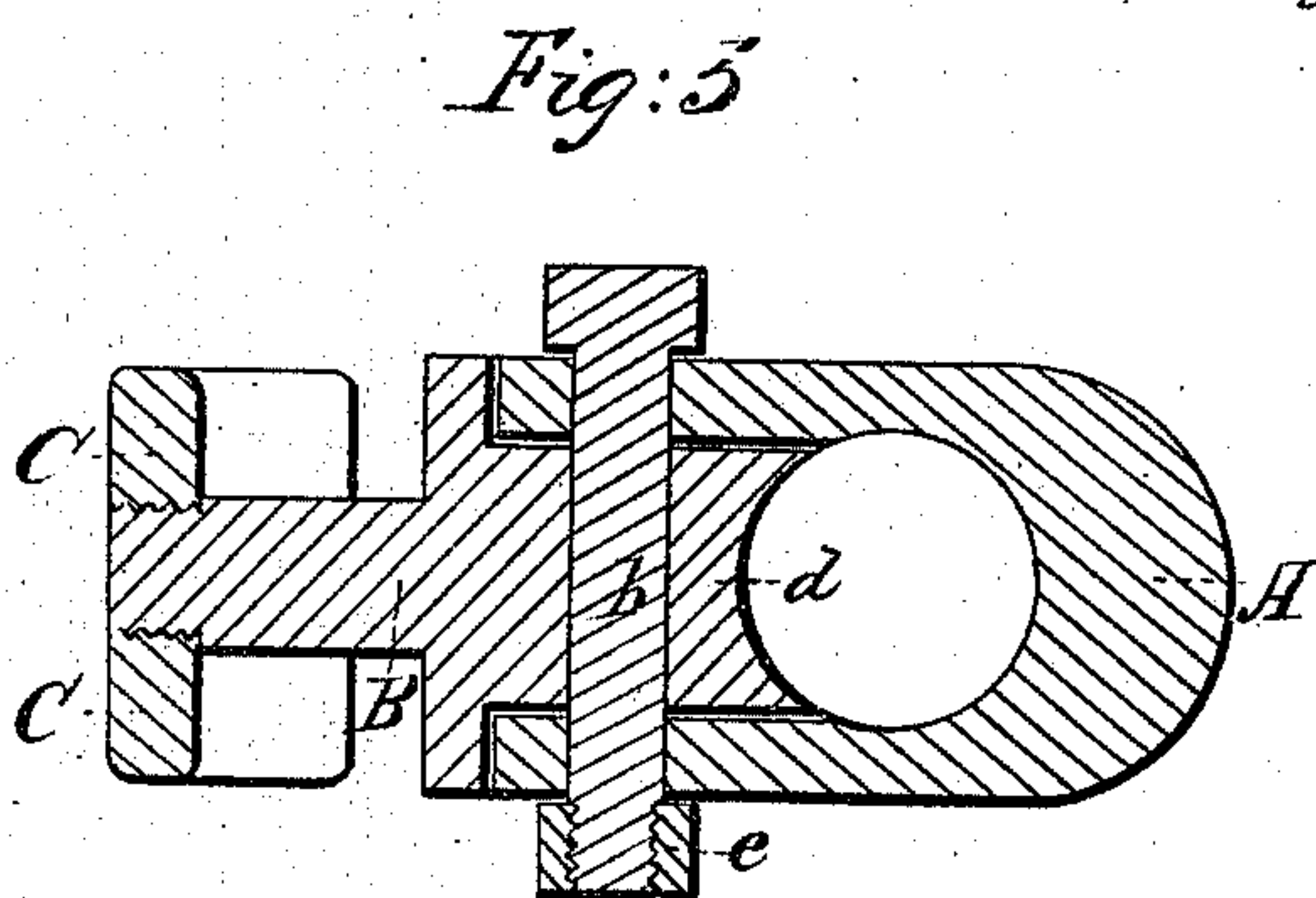
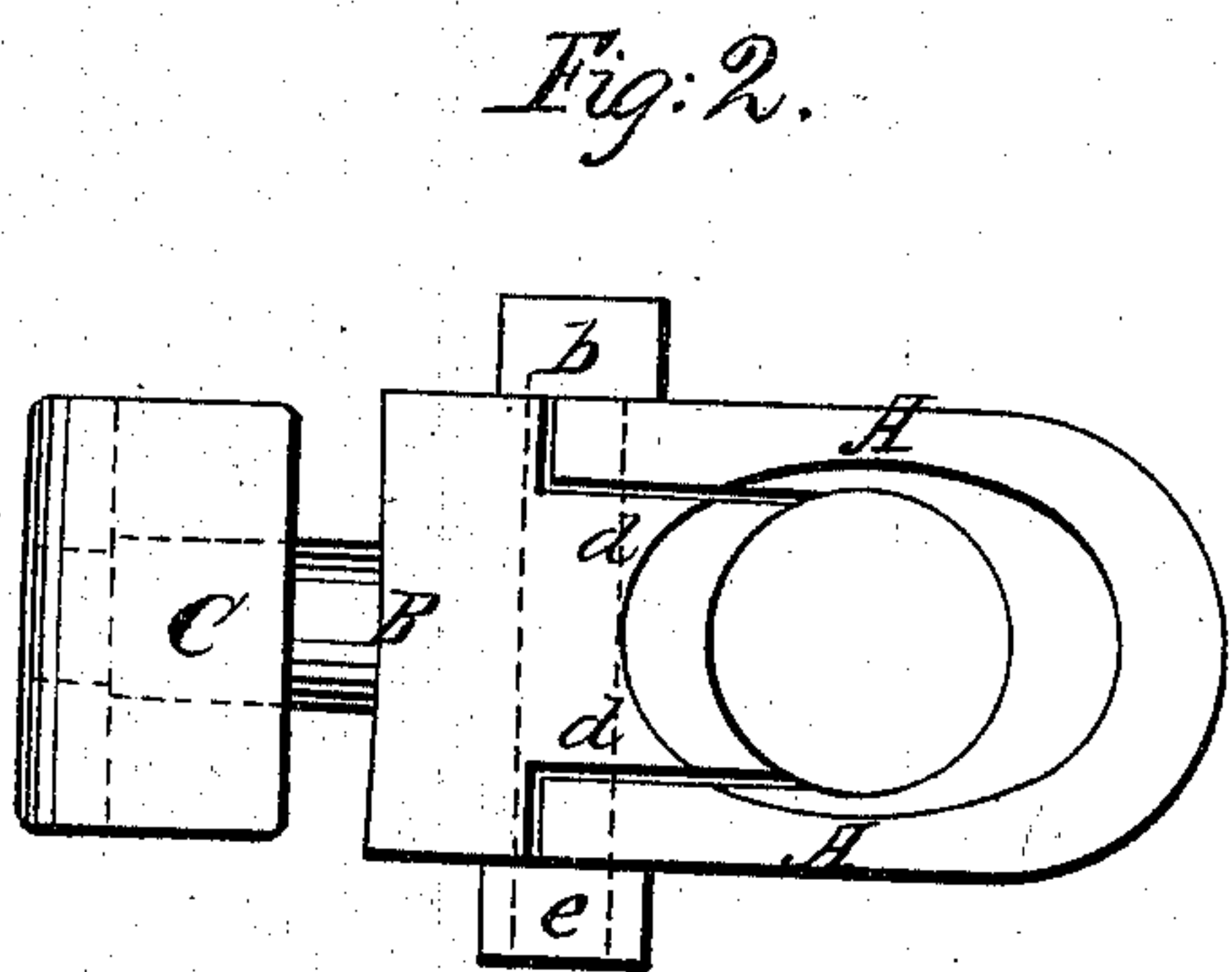
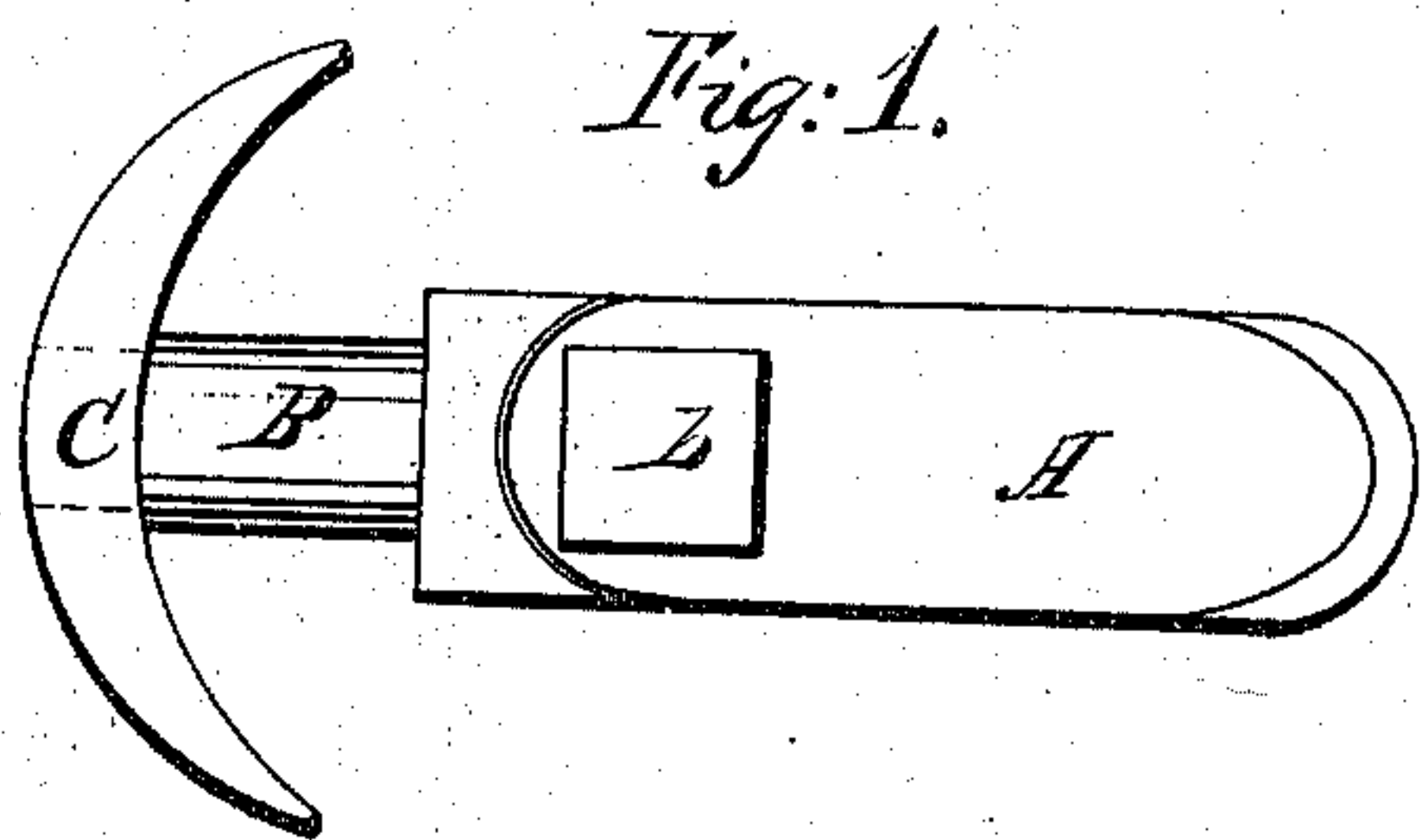


*J. E. Seavey,*  
*Sail Link & Mast Hoof.*  
*N<sup>o</sup> 35,654.*  
*Patented Jun. 17, 1862.*



*Witnesses:*  
*R. H. Ledy*  
*Arthur Neice*

*Inventor:*  
*John E. Seavey*



# UNITED STATES PATENT OFFICE.

JOHN E. SEAVEY, OF KENNEBUNKPORT, MAINE, ASSIGNOR TO HIMSELF  
AND MATTHEW E. BOEHNER, OF SAME PLACE.

## IMPROVED SAIL-LINK TO MAST-HOOPS.

Specification forming part of Letters Patent No. 35,654, dated June 17, 1862.

*To all whom it may concern:*

Be it known that I, JOHN E. SEAVEY, a citizen of the United States of America, and a resident of Kennebunkport in the county of York and State of Maine, have invented a new and useful Device or Mechanism for Connecting a Sail to a Mast-Hoop; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, and Fig. 3 a longitudinal section, of it.

The ordinary manner of connecting a fore-and-aft sail to a mast-hoop of a vessel has been by means of a rope or line rove in the grommet or eye of the sail and around the hoop. The insecurity of such a connection has led me to the invention of a metallic attachment, which may be described as follows:

A is a shackle, which is connected to the head of a screw-bolt, B, by a hinge, the joint-pin of which is represented at *b* as passing through the two. The said bolt B screws into a crescent-shaped clasp, C, the whole being formed as shown in the drawings. In the application of my invention to a mast-hoop the bolt B is to go through the hoop, the clasp C being extended across the inner surface of the hoop, as shown in Fig. 4, which denotes a transverse section of the two.

Fig. 5 is a top view of the hoop with my invention applied to it, such hoop in Figs. 4

and 5 being indicated by the letter D marked on it.

The shackle A in its form approximates to that of the letter U. Previous to being connected with the bolt such shackle has one of its legs passed through the grommet-hole at the edge of the sail. After this may have been done the tongue *d* of the hinge may be inserted between the legs of the shackle, the pin *b* being next passed through the said legs and tongue and fixed in position by a nut, *e*, screwed on its end.

The nut C serves as a guard to prevent the bolt B or a screw-nut screwed upon it from chafing or injuring the mast while the sail may be in the act of being either raised or lowered. Furthermore, the clasp C operates to prevent the hoop from being split by the strains of the sail on the bolt. The hinge enables the shackle to so accommodate itself to the sail as to allow the hoop to run free on the mast.

I claim—

The above mast-hoop and sail-connection, consisting of the shackle, the bolt, and the clasp, constructed, arranged, and combined together substantially in manner and so as to operate as specified.

JOHN E. SEAVEY.

Witnesses:

R. H. EDDY,  
N. H. SEAVEY.