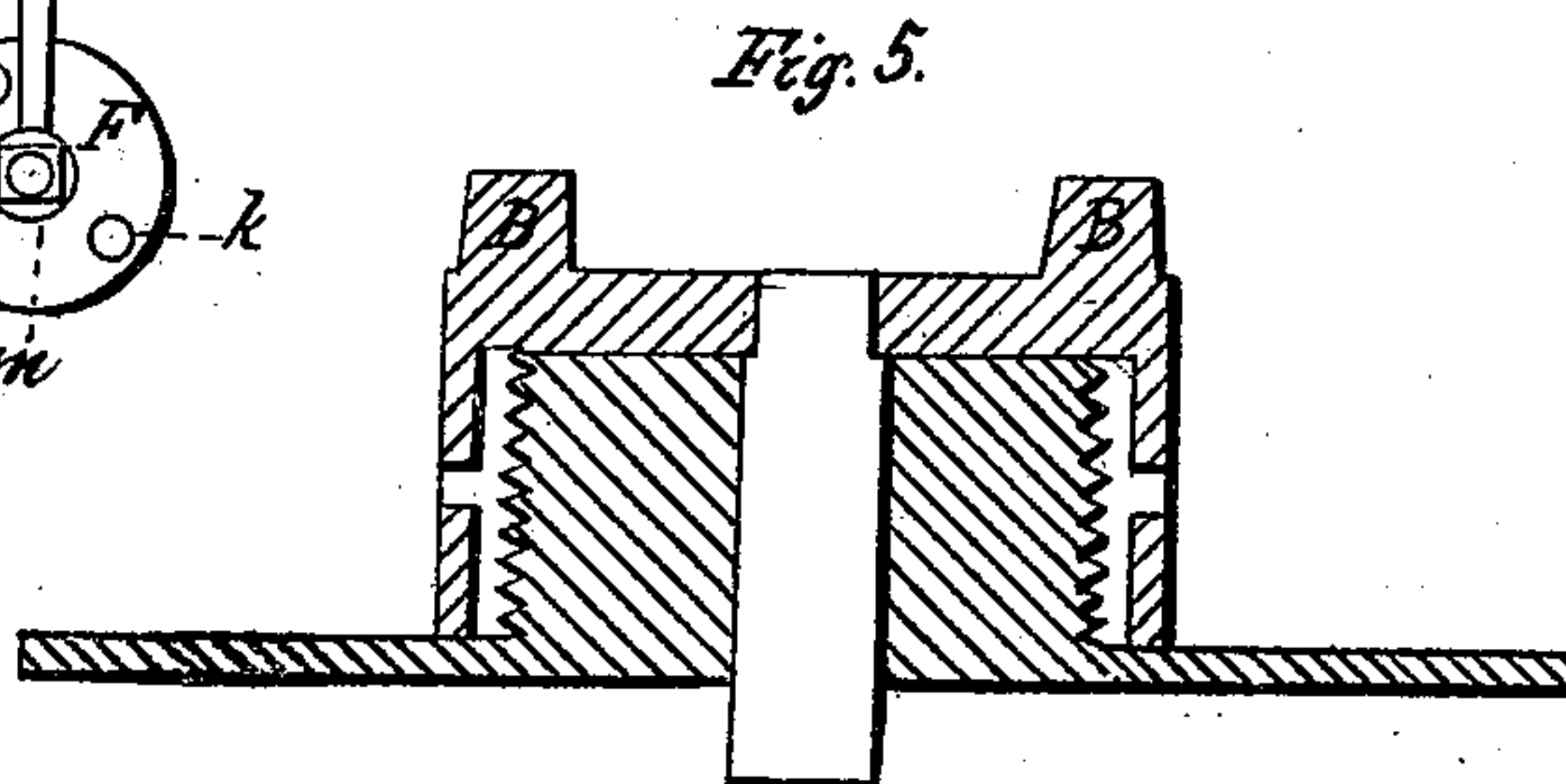
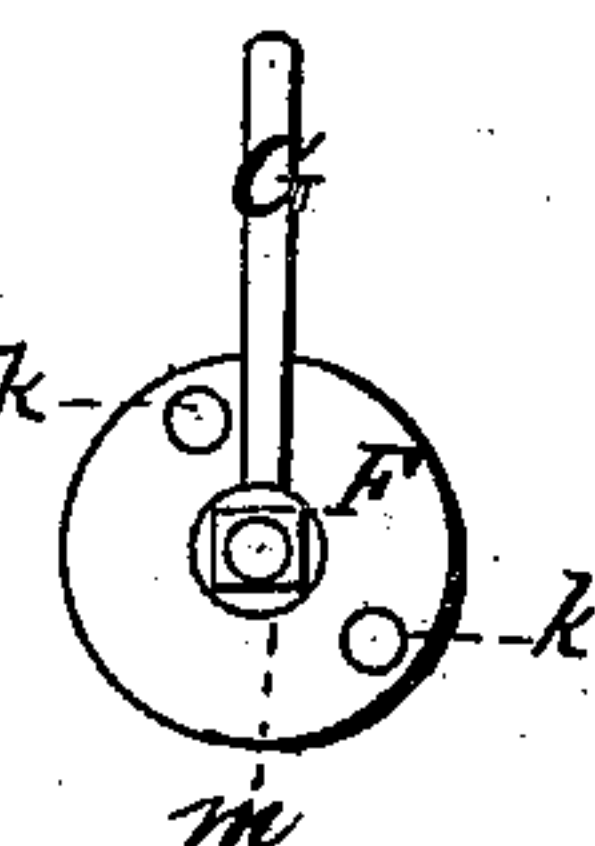
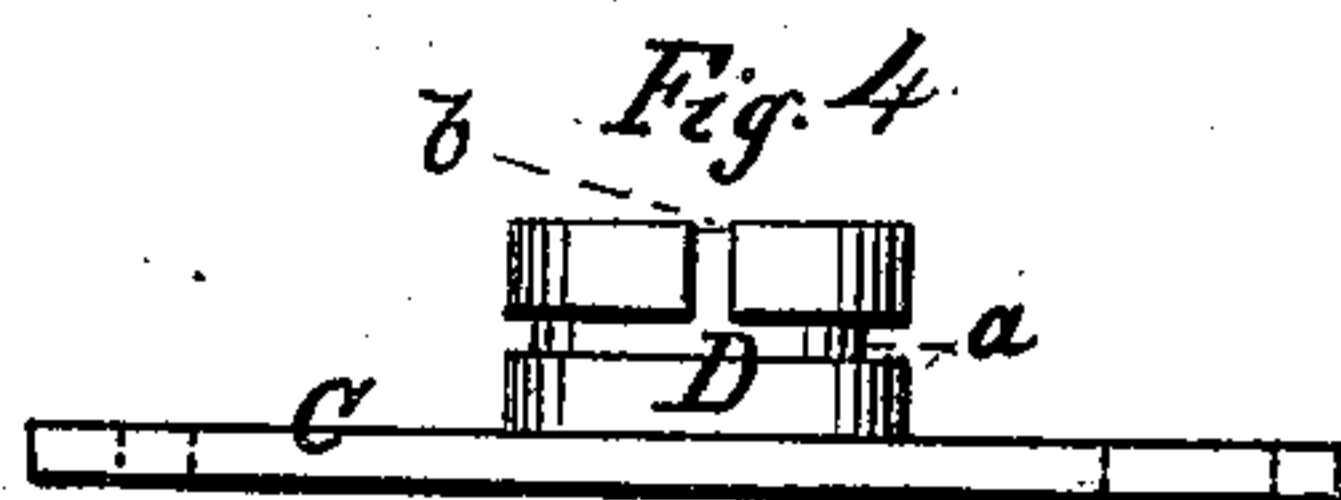
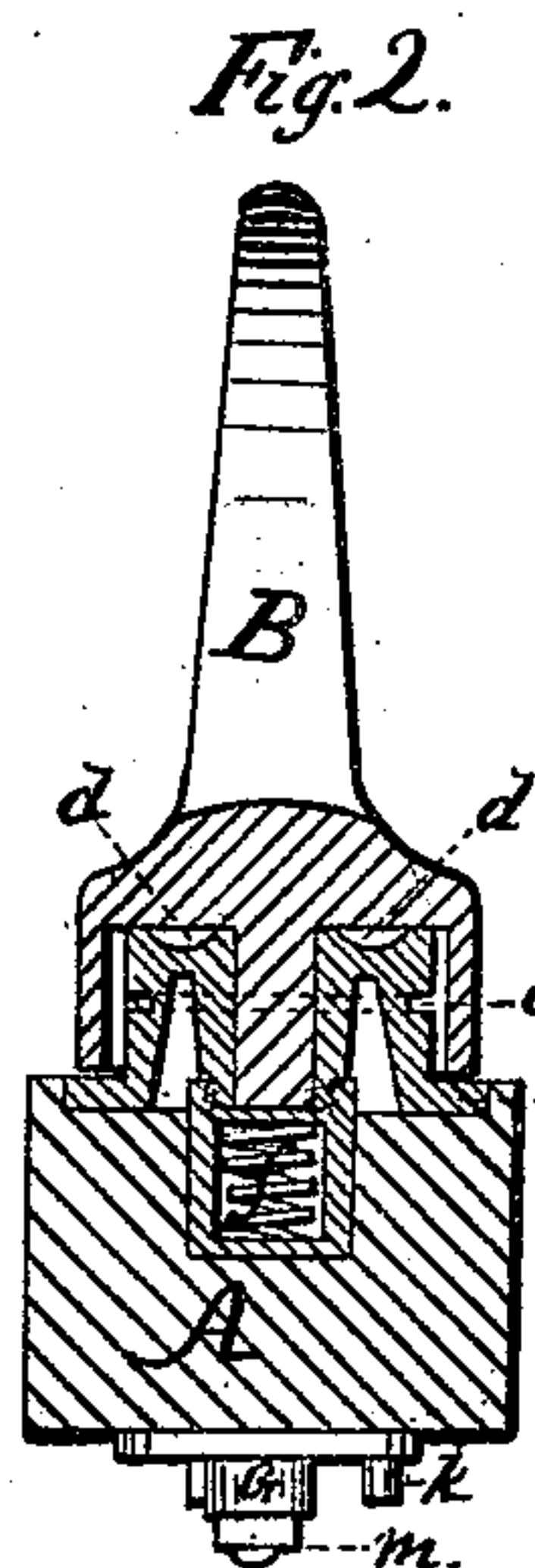
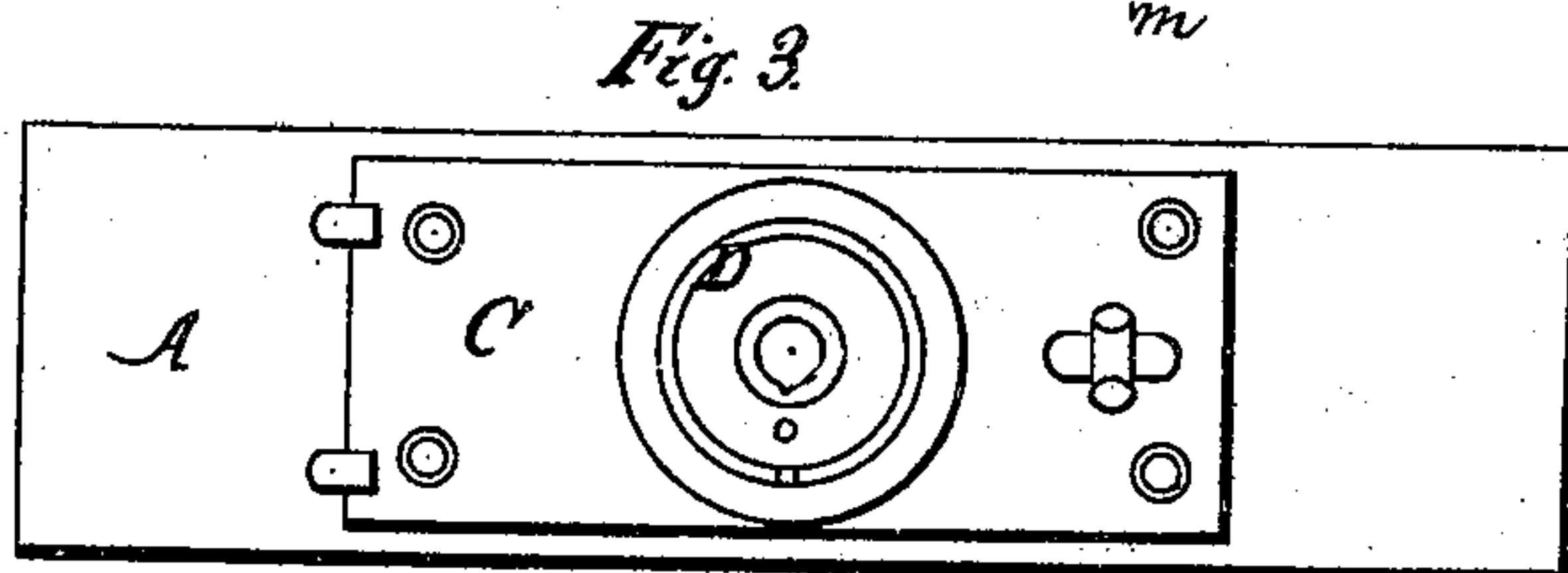
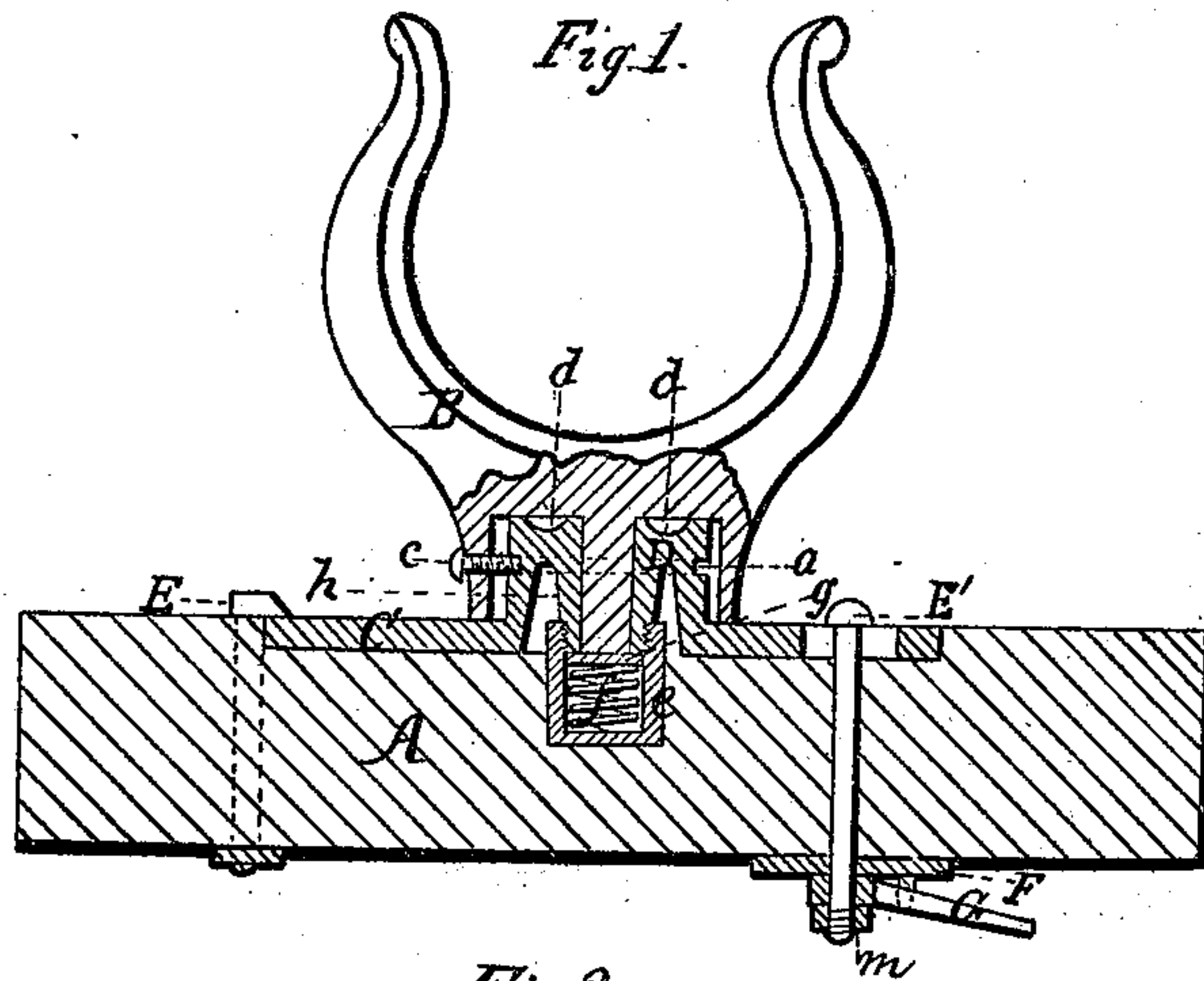


# W. Sage. Oar Lock.

N<sup>o</sup> 46,589.

Patented Feb. 28, 1865.



Witnesses:  
Edward W. Bliss  
J. W. Bliss

Inventor:  
William Sage

# UNITED STATES PATENT OFFICE.

WILLIAM SAGE, OF BERLIN, CONNECTICUT.

## IMPROVED ROWLOCK.

Specification forming part of Letters Patent No. 46,589, dated February 28, 1865.

*To all whom it may concern:*

Be it known that I, WILLIAM SAGE, of Berlin, county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in Rowlocks; and I do hereby declare that the same is described and represented in the following specification and drawings; and to enable others skilled in the art to make and use the same I will proceed to describe its construction by referring to the drawings, in which the same letters indicate like parts in each of the figures.

The specifications and drawings explain the nature of the invention. The object desired to be attained is to cheapen the manufacture and produce a safe and desirable article.

In the accompanying drawings, Figure 1 is a side elevation. Fig. 2 is an end elevation. Fig. 3 is a top view of the plate with the arms removed; Fig. 4, a side view of the plate with the arms removed. Fig. 5 shows a modification of the mode of securing the arms or rowlock upon the plate.

A represents the gunwale of a boat. B are the arms which compose the rowlock proper. C is a plate, having a hub, D, which is turned up and provided with one or more grooves *a* and slits *b*, the object of which is to allow of the projections, pins, or screws *c* to enter first the slits *b* and slide down till they intersect with the grooves *a*, when the rowlock is turned into proper position for use, where it will be held safely at all times when in use, and may quickly be removed when desirable by again turning the rowlock at right angle with the gunwale.

In making this article I have thought it would be best to turn or cast the chamber in the base of the rowlock, so as to allow metal or other material to be poured or packed in the space between the hub and sides of the chamber of the rowlock, thus producing a perfect and durable joint. *d* are depressions formed in the top edge of the hub.

*e* is a box, having a spring, *f*, and cap or valve *g*, which is secured to the hub *h*, formed in the recess in the under side of the plate C.

The object of these depressions *d* and box *e* is to provide proper air-chambers for the purpose of forming or producing suction when lifting the rowlock from the plate; or, in other words, to prevent the rowlock from lifting from the plate.

E are bolts or clamps for securing the plate C (with the rowlock) to the gunwale of the boat.

E' is a turn bolt or clamp made with a long narrow head, and the plate C, also provided with a long narrow slit corresponding to the form of the head of the bolt, so that when the bolt is turned to bring its head parallel with the slit the plate will be free to be lifted from the gunwale.

F is a washer cast or made with a hole in the center to receive the bolt E' and pins *k* to regulate the position of the lever G. This washer is secured to the under side of the gunwale, the bolt inserted into its place, and the lever and nut *m* secured onto the lower end of said bolt and on the washer F to hold them in place.

Fig. 5 is a modification of the above, by the use of which it is only necessary to turn the rowlock until it is removed from the plate or gunwale.

Thus it will be seen that a cheap and durable article can be produced, as hereinbefore described, and that a person skilled in the art can make and use the same therefrom.

What I claim, therefore, and desire to secure by Letters Patent is, as a new improved article of manufacture, viz—

1. The plate C, having a hub, D, turned up either with or without a screw, or corrugated surface formed thereon, in combination with the chamber in the base of a rowlock, substantially as described.

2. The employment of the turn-bolt E' or its equivalent in combination with the rowlock-plate C, substantially as described.

WILLIAM SAGE.

Witnesses:

EDWARD W. BLISS,  
JERMY W. BLISS.