

925,289.

Patented June 15, 1909.

Fig. 1.

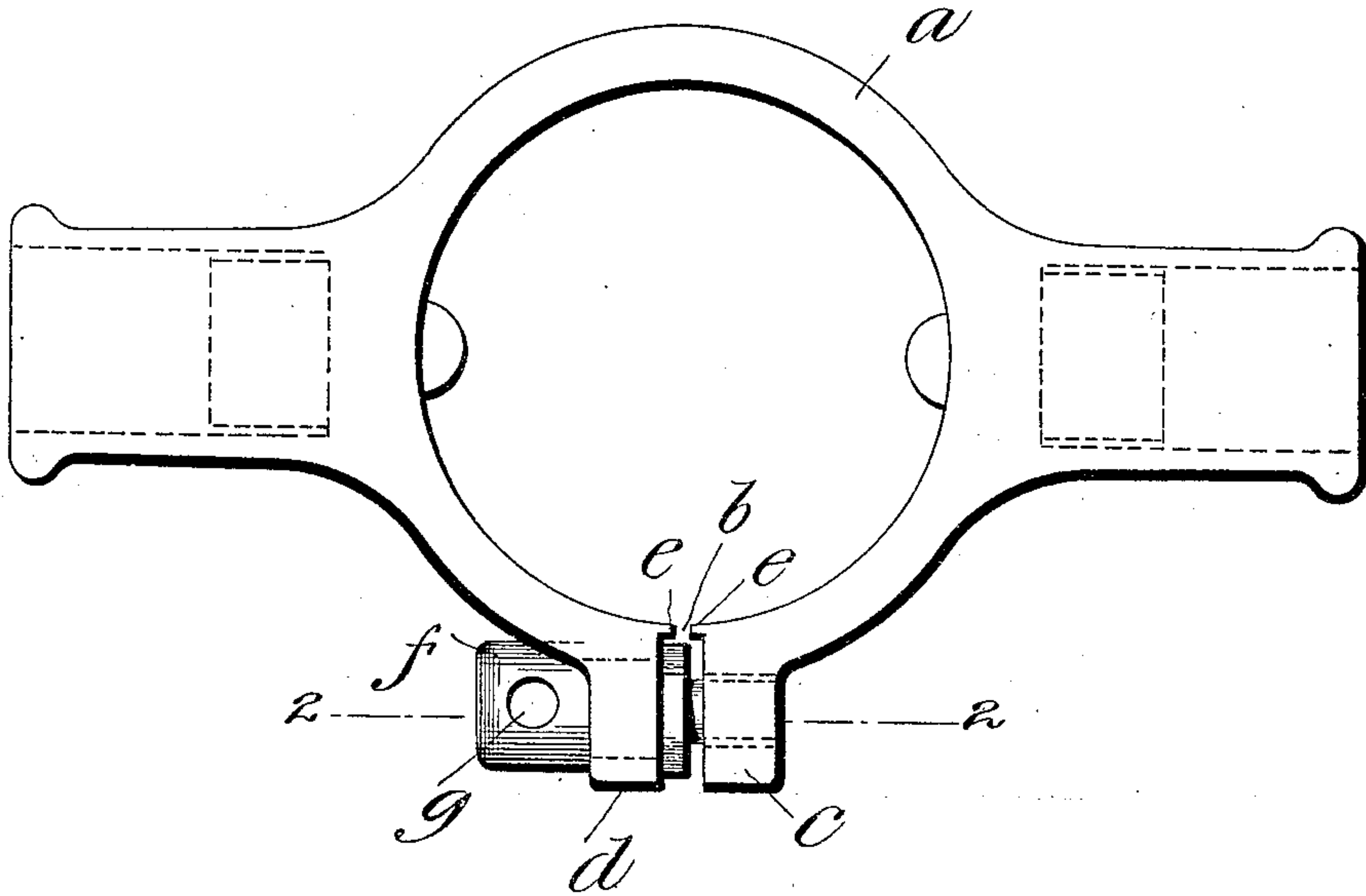


Fig. 2.

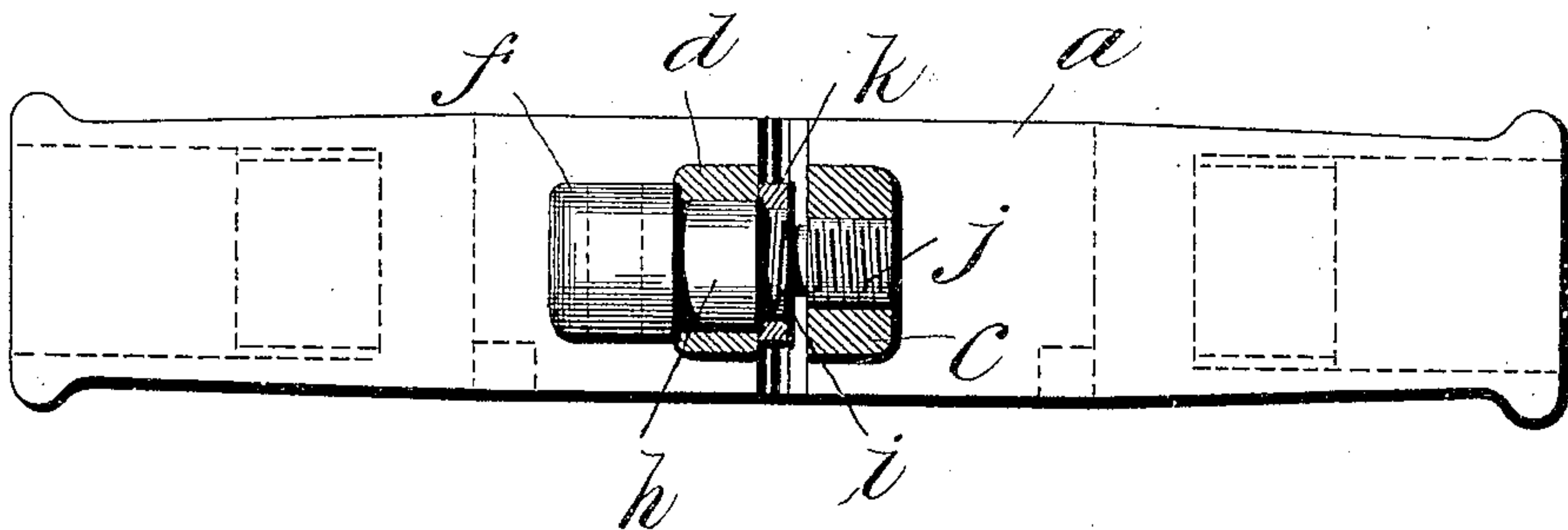


Fig. 3.

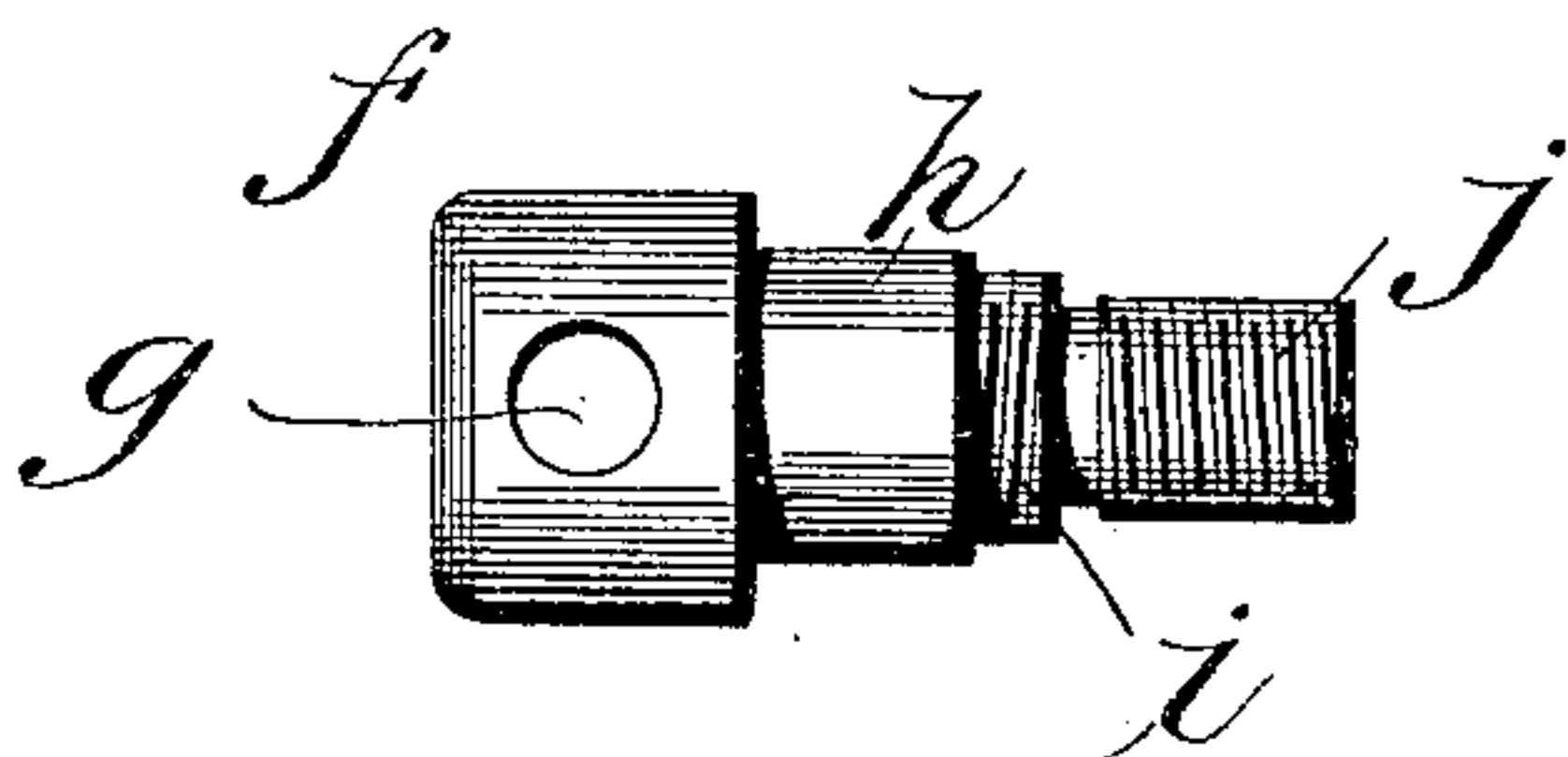
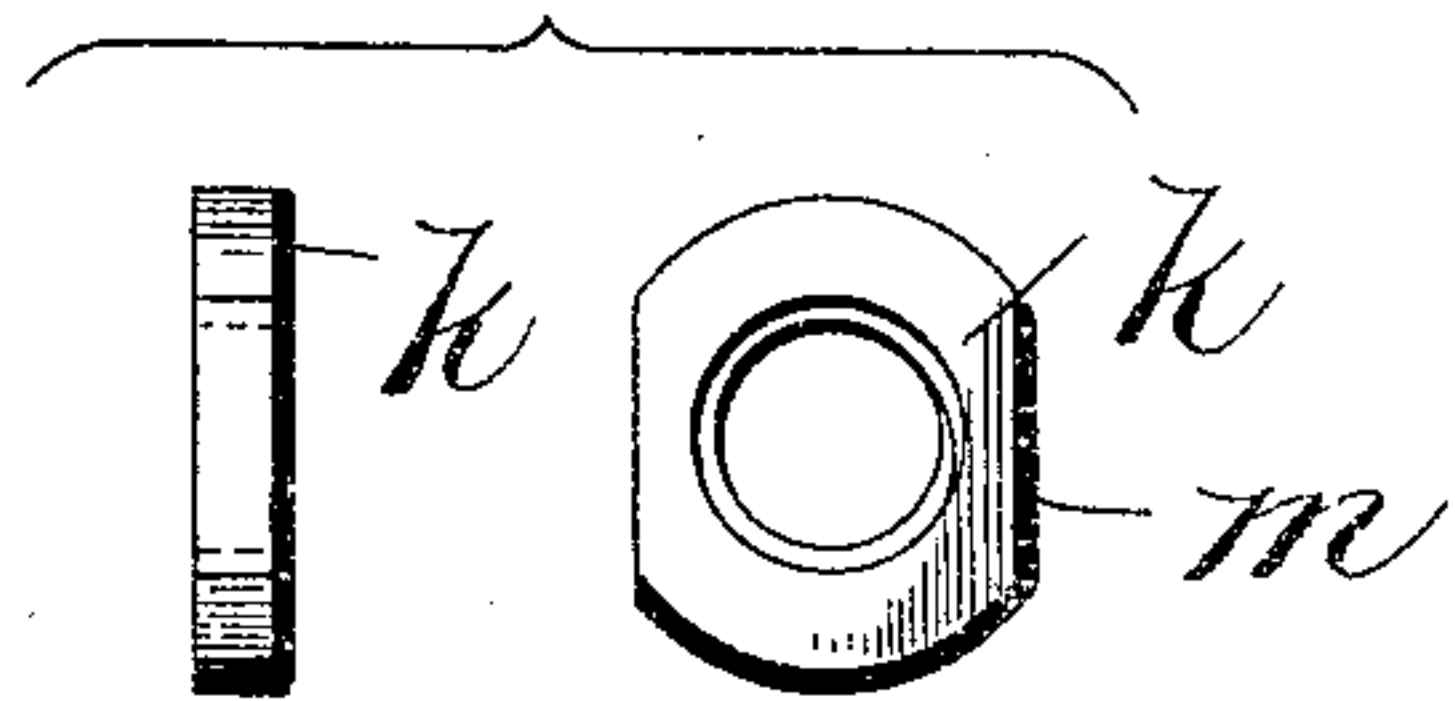


Fig. 4.



Witnesses  
Geo. A. Byrne.  
Chas. May Dural.  
By Wilkinson, Fisher & Witherspoon,  
Attorneys

Inventor  
Thomas A. Cain.

# UNITED STATES PATENT OFFICE.

THOMAS A. CAIN, OF GREENFIELD, MASSACHUSETTS, ASSIGNOR TO WILEY & RUSSELL MANUFACTURING CO., OF GREENFIELD, MASSACHUSETTS, A CORPORATION OF MASSACHUSETTS.

## ELASTIC DIE-STOCK.

No. 925,289.

Specification of Letters Patent.

Patented June 15, 1909.

Application filed March 30, 1908. Serial No. 424,128.

*To all whom it may concern:*

Be it known that I, THOMAS A. CAIN, a citizen of the United States, residing at Greenfield, in the county of Franklin and State of Massachusetts, have invented certain new and useful Improvements in Elastic Die-Stocks; and I do hereby 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.

My invention relates to improvements in elastic die stocks, and the object of my invention is to provide a simple device of this character in which the die stock may be positively opened or closed by the movement of a single screw.

With this object in view, my invention consists in the construction and combinations of parts as hereinafter described and claimed.

In the accompanying drawing—Figure 1 is a top plan view of a die stock, showing my invention as applied thereto. Fig. 2 is a cross section of the same on the line 2—2 of Fig. 1. Fig. 3 is a side view of the screw, and Fig. 4 represents the nut for the screw in two positions.

*a* represents the body portion of an elastic die stock, made in a circular form and split as shown at *b*. Near the point where the stock is cut, it is provided with two projecting portions *c* and *d*, both of these projections being perforated, and the perforations in the projection *c* being provided with an ordinary internal screw-thread. The stock is also provided with cut-away portions for the reception of the handles, shown in dotted lines, and with projecting portions *e* which limit the motion of the projections *c* and *d* toward each other.

The screw for opening and closing the die stock is shown in Fig. 3, and comprises an enlarged head *f* provided with a perforation *g* into which a rod may be inserted for the purpose of turning the screw. This screw is also provided with a smaller cylindrical portion *h*, loosely fitting in the perforation

in the projection *d*, and with a left-hand screw-threaded portion *i* and a right-hand screw-threaded portion *j*, the latter being of smaller diameter.

*k* represents an internally screw-threaded nut with the threads cut so as to engage the screw-threaded portion *i*, so that it may be easily engaged by a spanner.

Elastic stocks are well known, and such stocks have usually been provided with screws for closing them. By the present arrangement of a screw provided with two opposite threads, one right-hand and one left-hand, in combination with a nut which fits the left-hand thread, the stock can be both positively opened and closed by the movement of the screw. When the screw is turned to close the stock the pressure comes on the shouldered head of the screw, the nut *k* remaining free. When the screw is turned to open the stock the pressure comes on the left-hand face of the nut *k*, and the thread of said nut being left-handed the tendency is to keep the nut snugly in place while the right-hand screw opens the stock to the desired point.

Having thus described my invention, I claim—

In a die stock, the combination of an elastic member having a central circular perforation, said member being slit on one side and provided with projections adjacent to the slit, said projections being perforated and cut away for the reception of a nut and one of said projections being screw threaded, a screw provided with right handed and left handed screw threads, said screw being adapted to pass through the perforations in said projections, and a nut located between said projections and adapted to engage one of the screw threads on said screw, substantially as described.

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

THOMAS A. CAIN.

Witnesses:

ELLEN K. O'KEEFE,  
FRANCIS NIMS THOMPSON.