

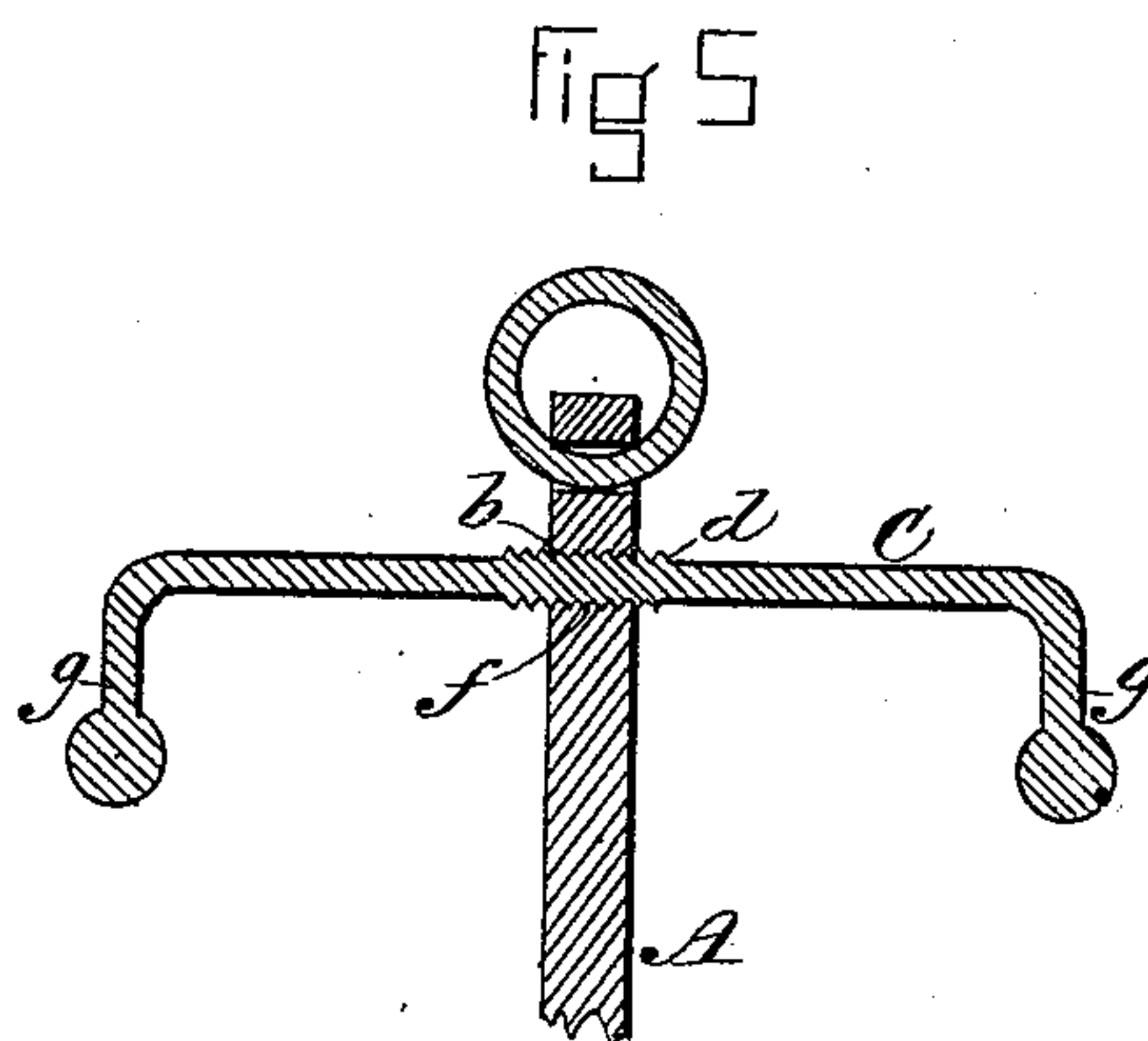
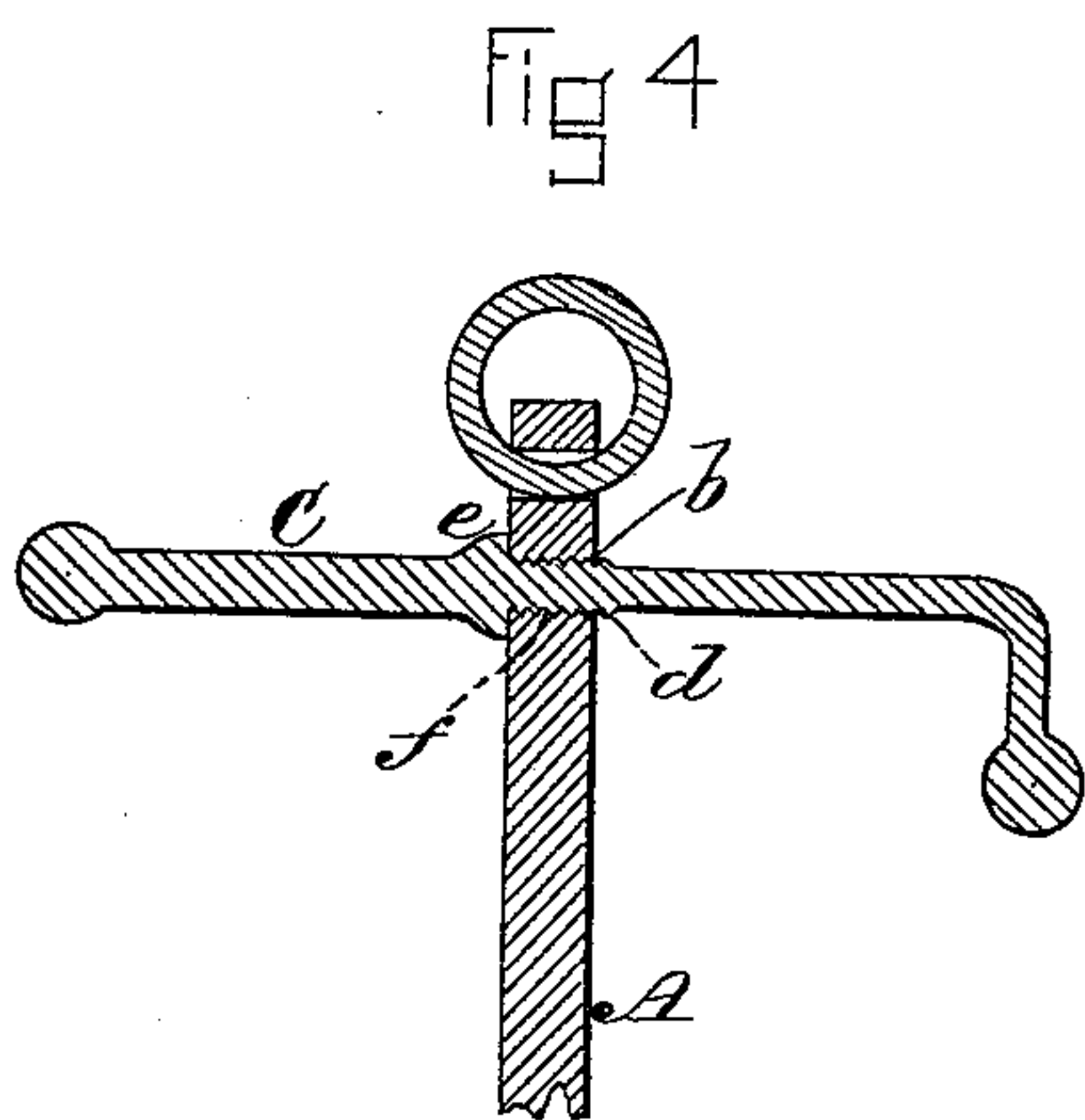
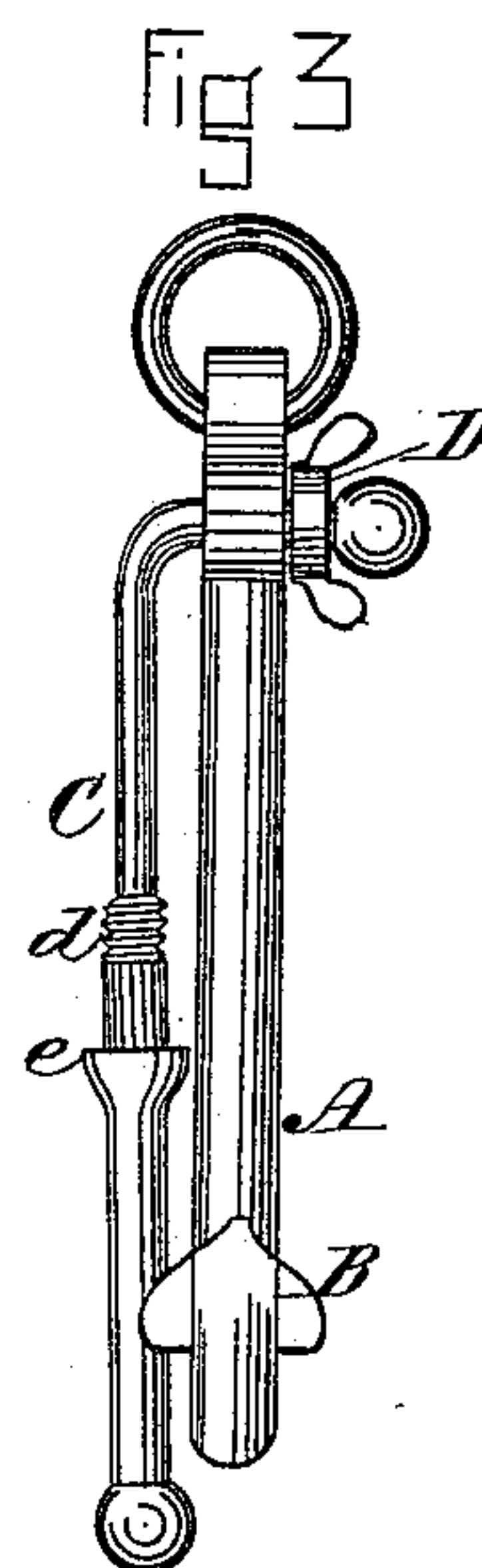
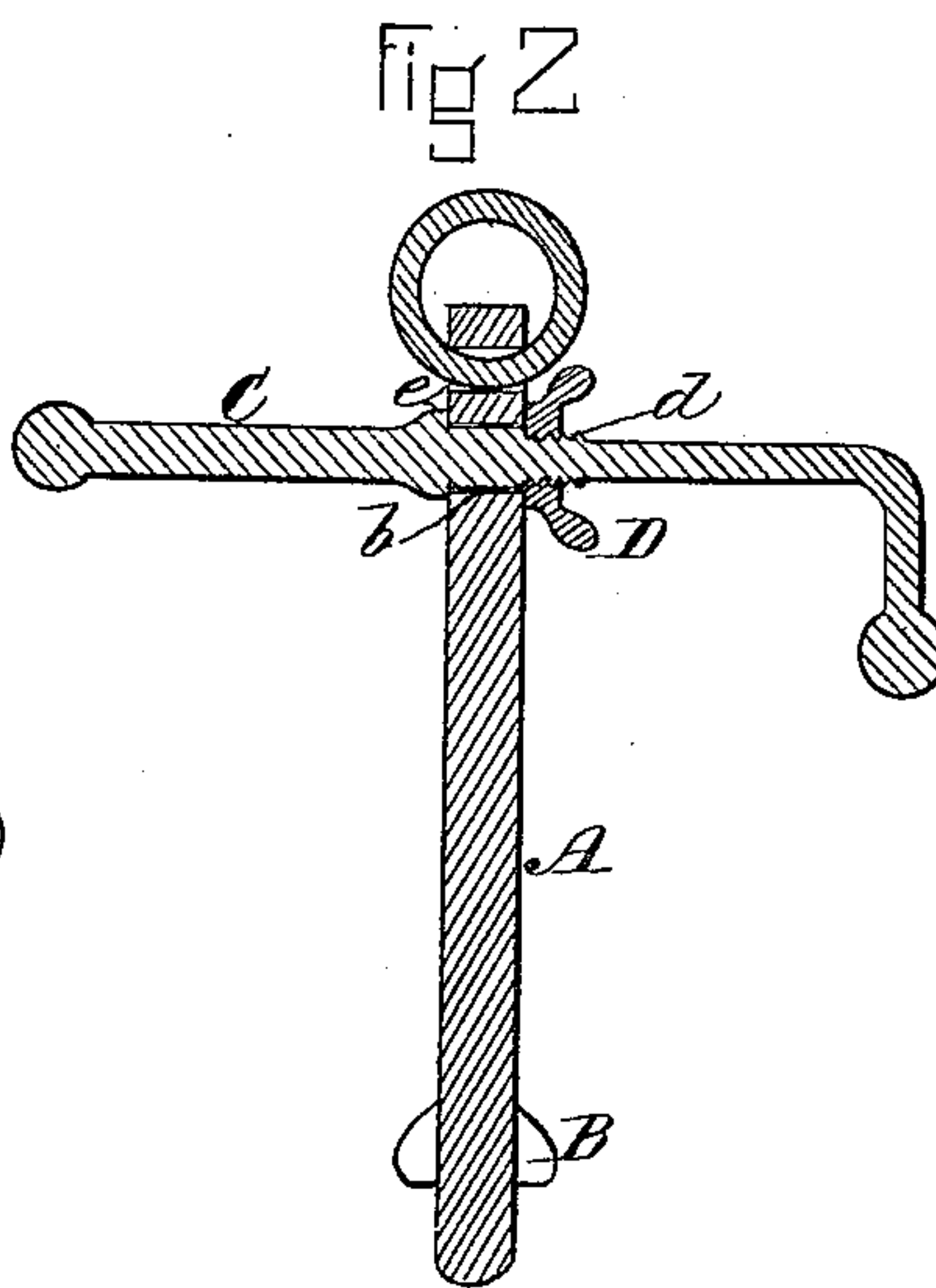
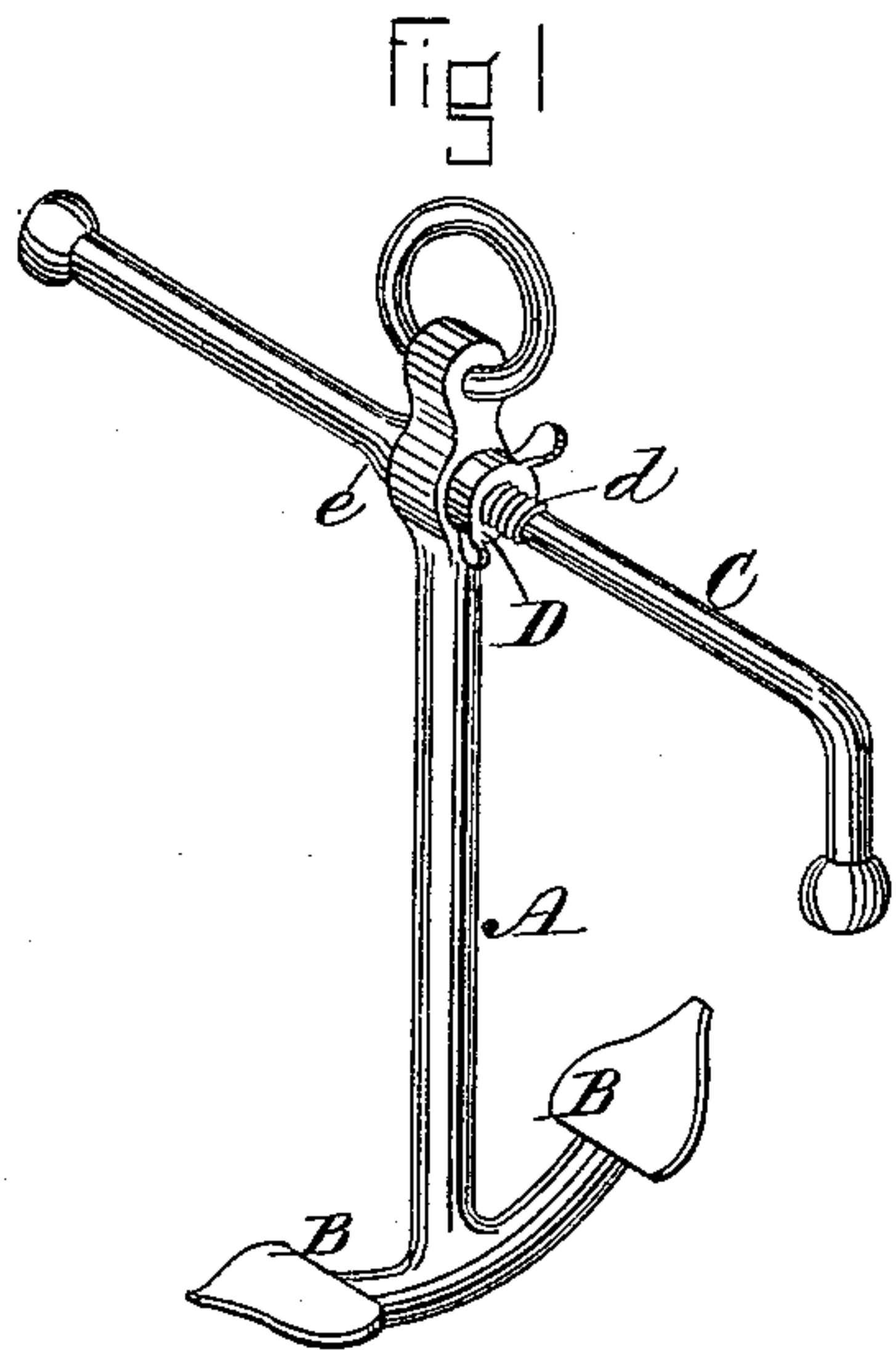
(No Model.)

C. O. BURBANK.

ANCHOR.

No. 335,561.

Patented Feb. 9, 1886.



WITNESSES  
W. J. Cambridge  
R. A. Young

INVENTOR  
Charles O. Burbank  
By J. E. Teschemacher  
Att'y



# UNITED STATES PATENT OFFICE.

CHARLES O. BURBANK, OF WALTHAM, MASSACHUSETTS.

## ANCHOR.

SPECIFICATION forming part of Letters Patent No. 335,561, dated February 9, 1886.

Application filed October 26, 1885. Serial No. 181,009. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES O. BURBANK, a citizen of the United States, residing at Waltham, in the county of Middlesex and State of Massachusetts, have invented certain Improvements in Anchors, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of an anchor constructed in accordance with my invention, the stock being shown in the position which it occupies when the anchor is on the bottom. Fig. 2 is a vertical section through the center of the same. Fig. 3 is a side elevation of the same with the stock turned down alongside of the shank in the position which it occupies when the anchor is not in use. Figs. 4 and 5 are modifications to be referred to.

My invention relates to that class of anchors having a sliding stock adapted to lie parallel with the shank when the anchor is not in use. In anchors of this description as heretofore constructed the sliding stock is held in place, in a central position at right angles to the shank when the anchor is to be used, by a pin or key passing through a hole or slot in the stock, which prevents it from moving longitudinally in one direction, while a collar or shoulder on the stock, adapted to bear on the side of the shank opposite to that on which the pin or key is located, prevents any longitudinal movement in the opposite direction. This method of fastening the stock is, however, objectionable, as the pin or key is liable to drop or work out of its hole or slot when the anchor is on the bottom, and thus allow the stock to slide out of place into a position parallel with the shank, when the anchor is liable to turn over in such a manner that its flukes will fail to properly catch and hold at the bottom, as required. Furthermore, the pin or key is often lost, thus rendering the anchor temporarily useless.

My invention has for its object to overcome these difficulties and to provide a more secure and reliable fastening for holding the stock in place at right angles to the shank, whereby all liability of its becoming loose and slipping out of place is avoided.

To this end my invention consists in providing the stock at or about the center of its length with a screw-thread, which is adapted to engage a nut or a corresponding thread formed on the inside of the eye of the shank through which the stock slides, by which construction the stock is held securely in position, and all liability of its becoming displaced when the anchor is on the bottom entirely avoided.

In the said drawings, A represents the shank of the anchor, B B the flukes, and C the stock, which is adapted to slide through the eye *b* at the upper end of the shank A, and, as usual, lie parallel with said shank when the anchor is not in use. The stock C is provided at or near the center of its length with a screw-thread, *d*, on one side of which is the usual collar or shoulder, *e*, which, when the stock is in a position at right angles to the shank, as seen in Figs. 1 and 2, bears upon the said shank around the eye *b*. On the opposite side of the shank the stock is encircled by a thumb-nut, D, which slides loosely upon the smooth portion thereof and engages with the thread *d*, whereby the shoulder or collar *e* is drawn up tightly against the shank, and the stock is thus securely confined in place, and cannot by any possibility become loose or slide out of position when on the bottom, thus causing the flukes of the anchor to take hold of the ground at all times as required.

After the anchor is hauled inboard the nut D is unscrewed and slipped back on the smooth portion of the stock, when the latter can be slid through the eye *b* and turned down parallel with the shank, as seen in Fig. 3.

If desired, the nut D may be dispensed with, and the eye *b* provided on the inside with a screw-thread, *f*, as seen in Fig. 4, in which case the thread *d* will engage with the thread *f*, the stock being turned until the collar or shoulder *e* is brought to a firm bearing against the side of the shank A; or, if preferred, both the nut D and the collar or shoulder *e* may be dispensed with, as seen in Fig. 5, in which case the stock may be screwed in from either side, and may have both ends *g* curved to enable it to be placed parallel with the shank on either side thereof. I, however, regard these slight

differences of construction as mere modifications of my invention, either of which may be adopted, as preferred.

What I claim as my invention, and desire to  
5 secure by Letters Patent, is—

1. An improved anchor-stock provided with a screw-thread for securing the stock in operative position upon the anchor-shank, substantially as described.
- 10 2. The combination, with an anchor of the

kind herein described, of a sliding anchor-stock having a screw-threaded portion to secure said stock to the anchor-shank, substantially as described.

Witness my hand this 21st day of October, 15  
A. D. 1885.

CHAS. O. BURBANK.

In presence of—

P. E. TESCHEMACHER,  
W. J. CAMBRIDGE.