

No. 678,003.

Patented July 9, 1901.

L. MYERS.

LOCKING DEVICE FOR COMPASSES, &c.

(Application filed Mar. 7, 1900.)

(No Model.)

Fig. 1.

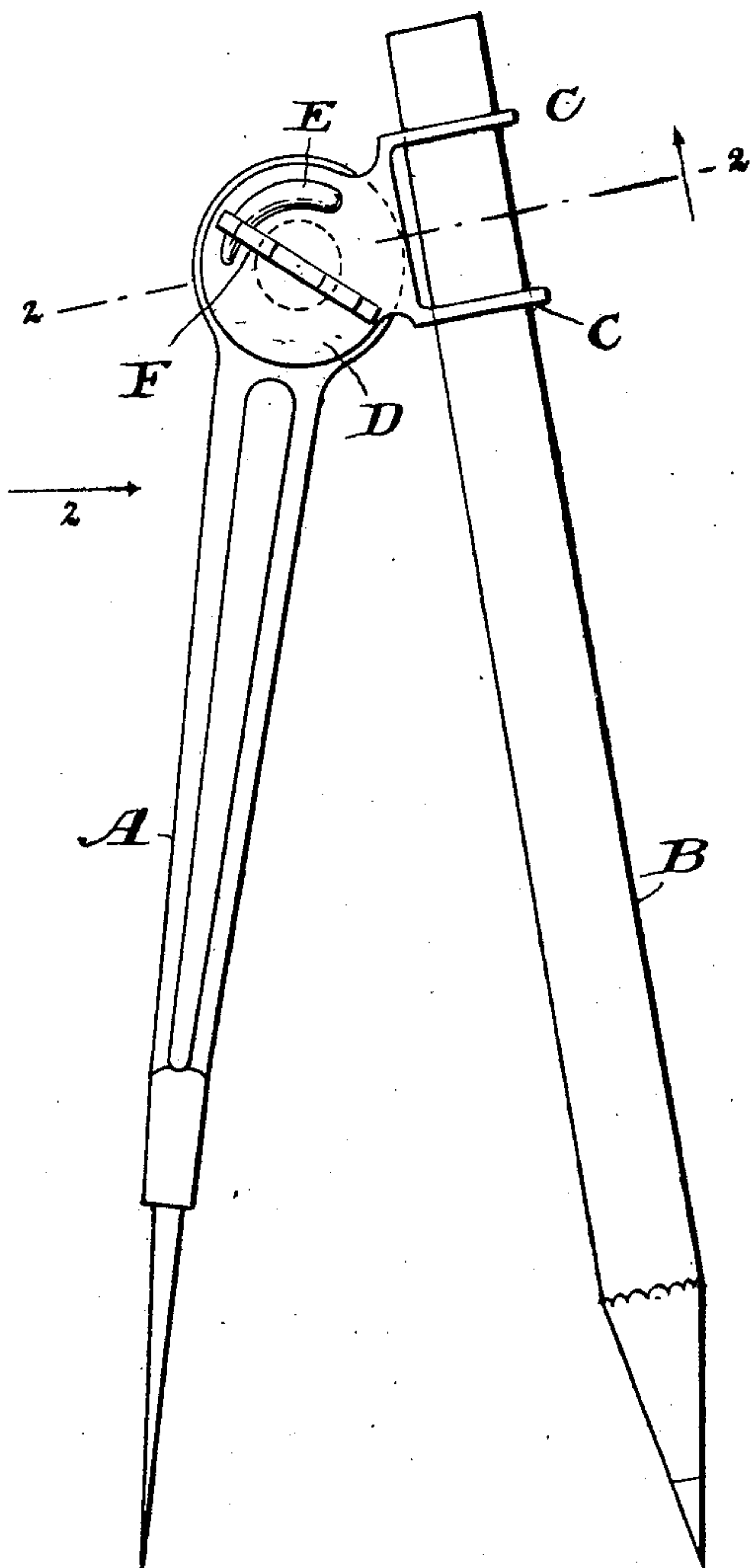


Fig. 2.

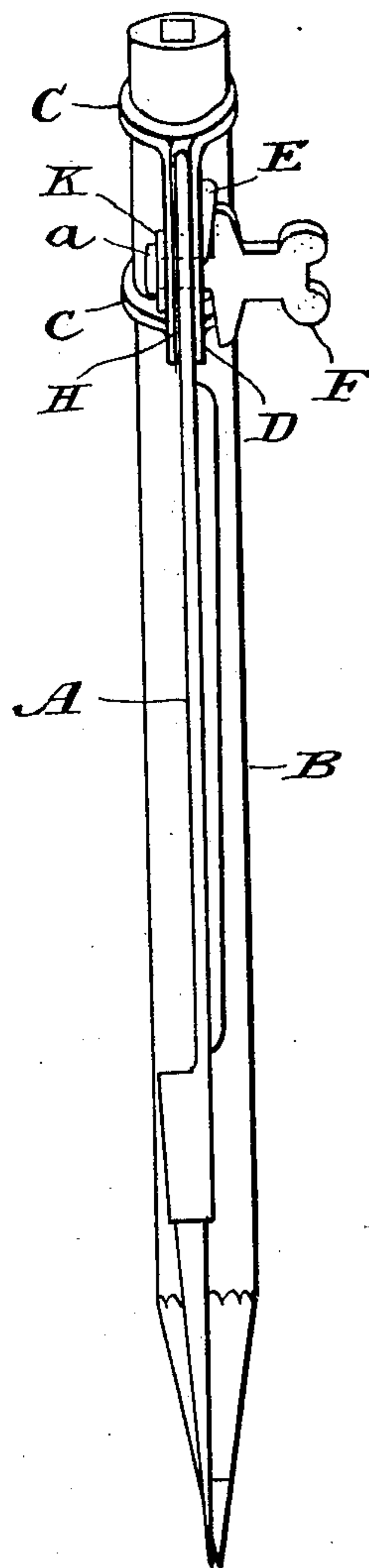
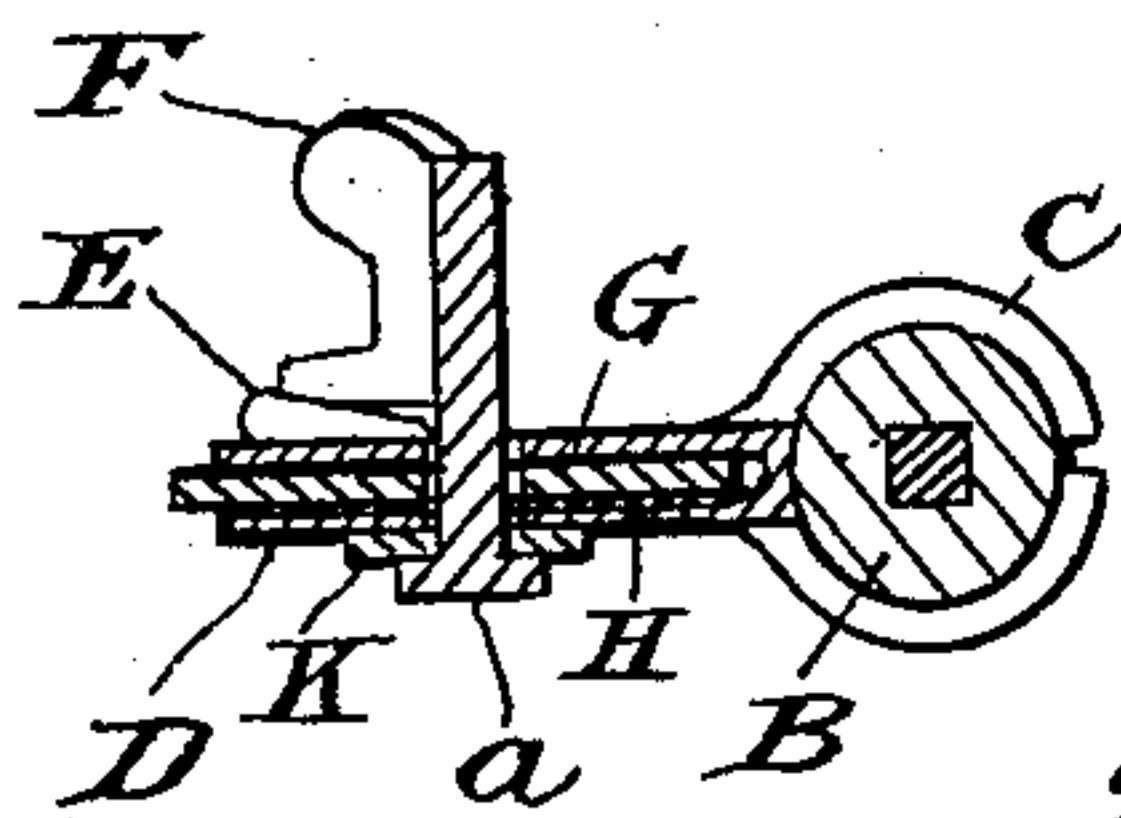


Fig. 3.



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LEOPOLD MYERS, OF BIRMINGHAM, ENGLAND.

LOCKING DEVICE FOR COMPASSES, &c.

SPECIFICATION forming part of Letters Patent No. 678,003, dated July 9, 1901.

Application filed March 7, 1900. Serial No. 7,690. (No model.)

To all whom it may concern:

Be it known that I, LEOPOLD MYERS, a subject of the Queen of Great Britain and Ireland, and a resident of Birmingham, England, have
5 invented certain new and useful Improvements in Locking Devices for Compasses and the Like, of which the following is a full, clear, and exact specification.

My invention relates to improvements in
10 locking means which are particularly applicable to compasses of all kinds and similar instruments; and it is my object to provide a simple and effectual device whereby such instruments may be locked or secured in a
15 positive manner and the legs thereof maintained at any desired angle.

Having reference to the accompanying drawings, forming part of my application, and in which similar letters of reference indicate
20 similar parts throughout the several views, Figure 1 is a side elevation of a compass provided with my improved locking device. Fig. 2 is an edge elevation of the same, and Fig. 3 is a sectional view taken on lines 2 2 of Fig. 1.

25 For simplicity's sake I have shown in the drawings a compass having one metal leg and the other leg consisting of a pencil or other proper marking medium.

A represents the leg of the compass, and B
30 the pencil or the like, secured at the upper end of B in brackets C.

On the disk D and integral therewith is a bulging protuberance or elevation E, substantially semicircular in shape, which by an en-
35 gagement with the thumb-key F causes the compass to be firmly locked or secured.

The part E constitutes an inclined plane having its lowest level at the left and its highest at the right. When the compass has been set at the proper angle, the thumb-key F, which
40 is pivoted at *a*, is turned from left to right until the parts are firmly secured. The disks D and G and the brackets C are made in one piece, and adjacent to the inner side of the disk G is a washer H. Placed next the outer
45 side of the disk G is a smaller circular disk K, which is secured to the thumb-key F and moves therewith.

While throughout this specification I have described my invention as being applicable
50 to compasses, it is understood that I do not confine myself to a locking device for compasses, but that my invention may be used in any connection to which it can be properly applied.

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

In combination in a compass, the limb A, brackets C, C, having disk parts D secured
60 thereto, one of the said parts having an inclined protuberance on the outer side of the disk part and a key passing through all of the said parts and bearing upon the protuberance, substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

LEOPOLD MYERS.

Witnesses:

HUGO LOUIS BEIL,
OTTO MUNK.