

No. 854,984.

PATENTED MAY 28, 1907.

J. G. CORBETT.
SWIVELED BASE.

APPLICATION FILED DEC. 8, 1906.

FIG. 1.

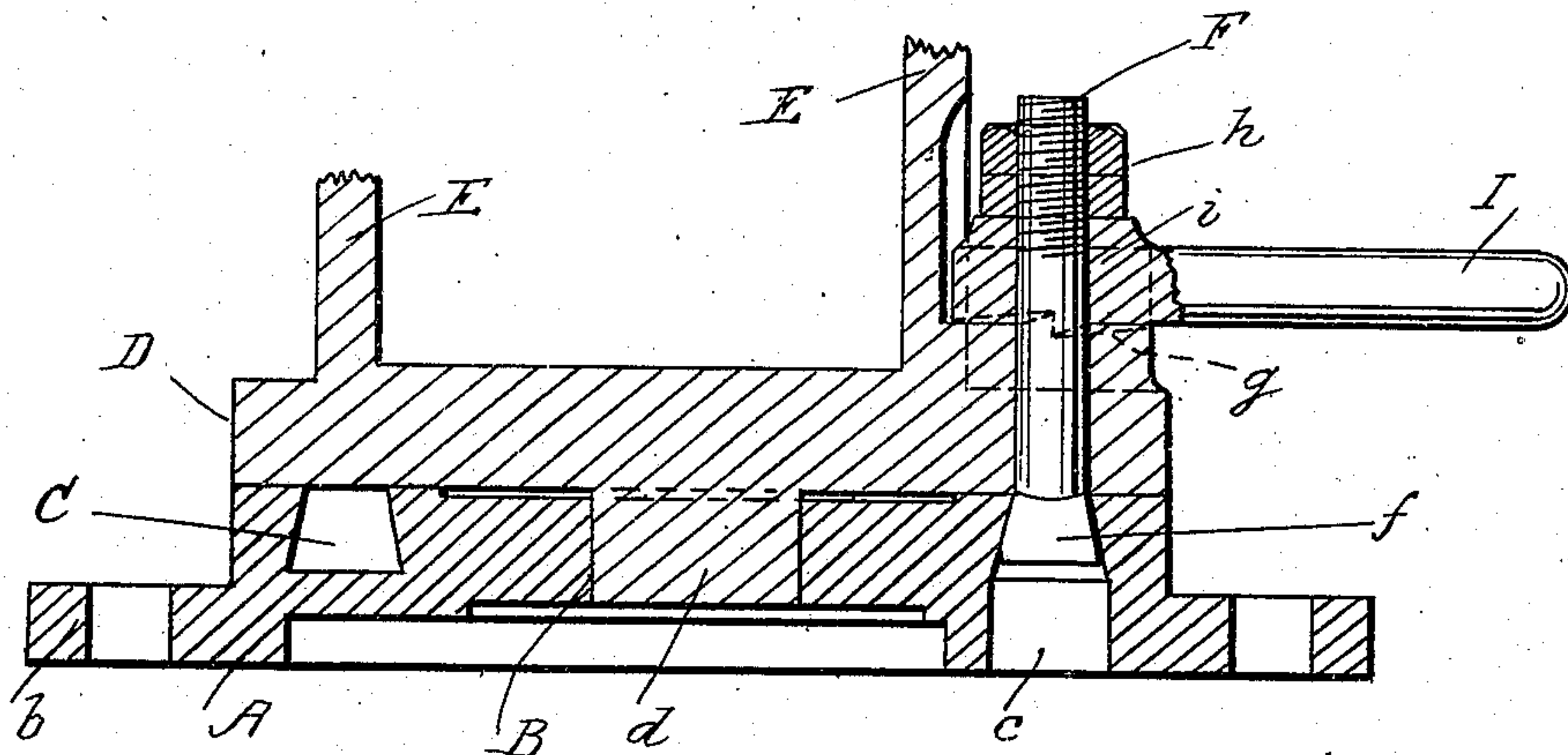


FIG. 2.

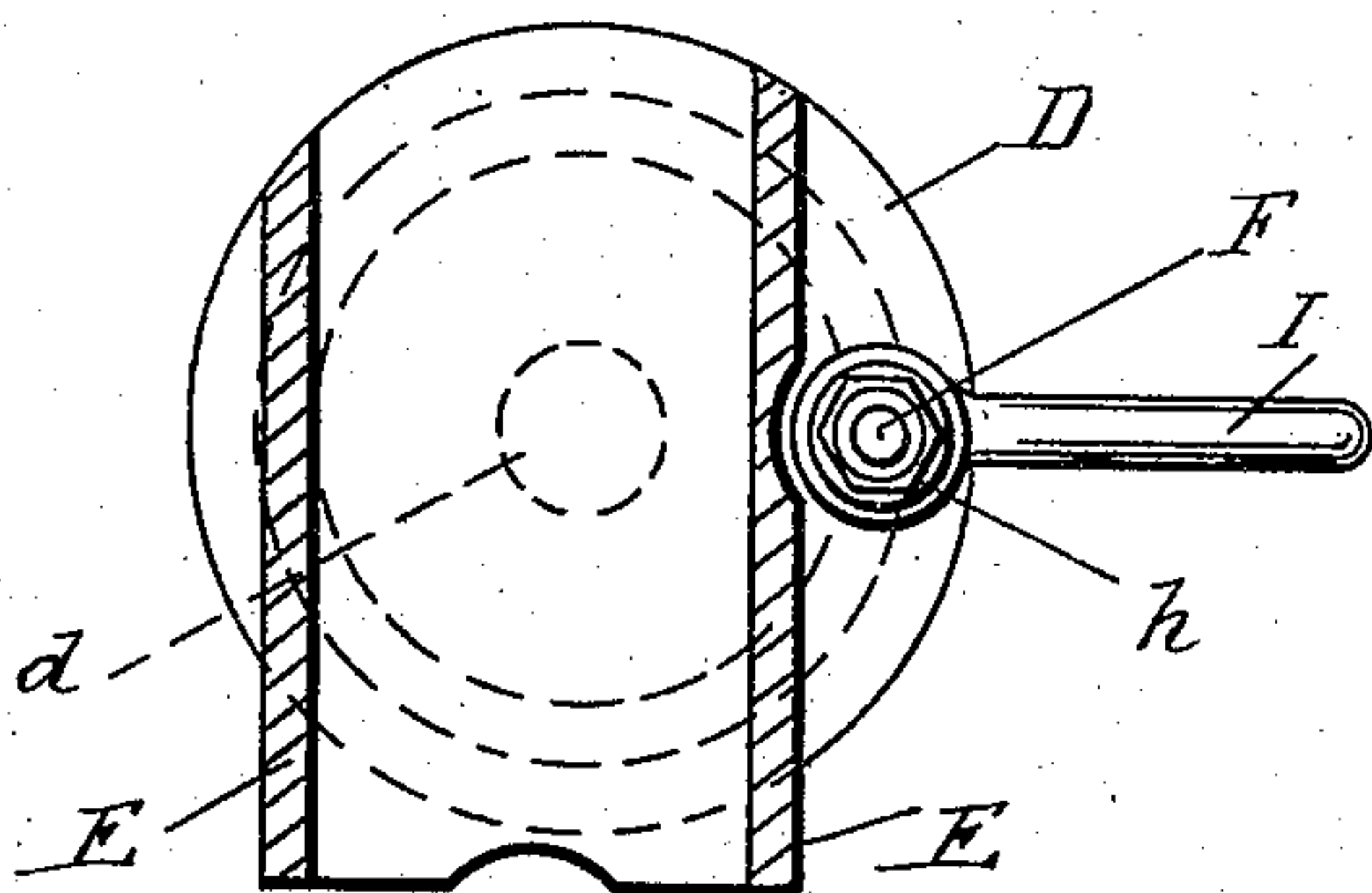


FIG. 3.

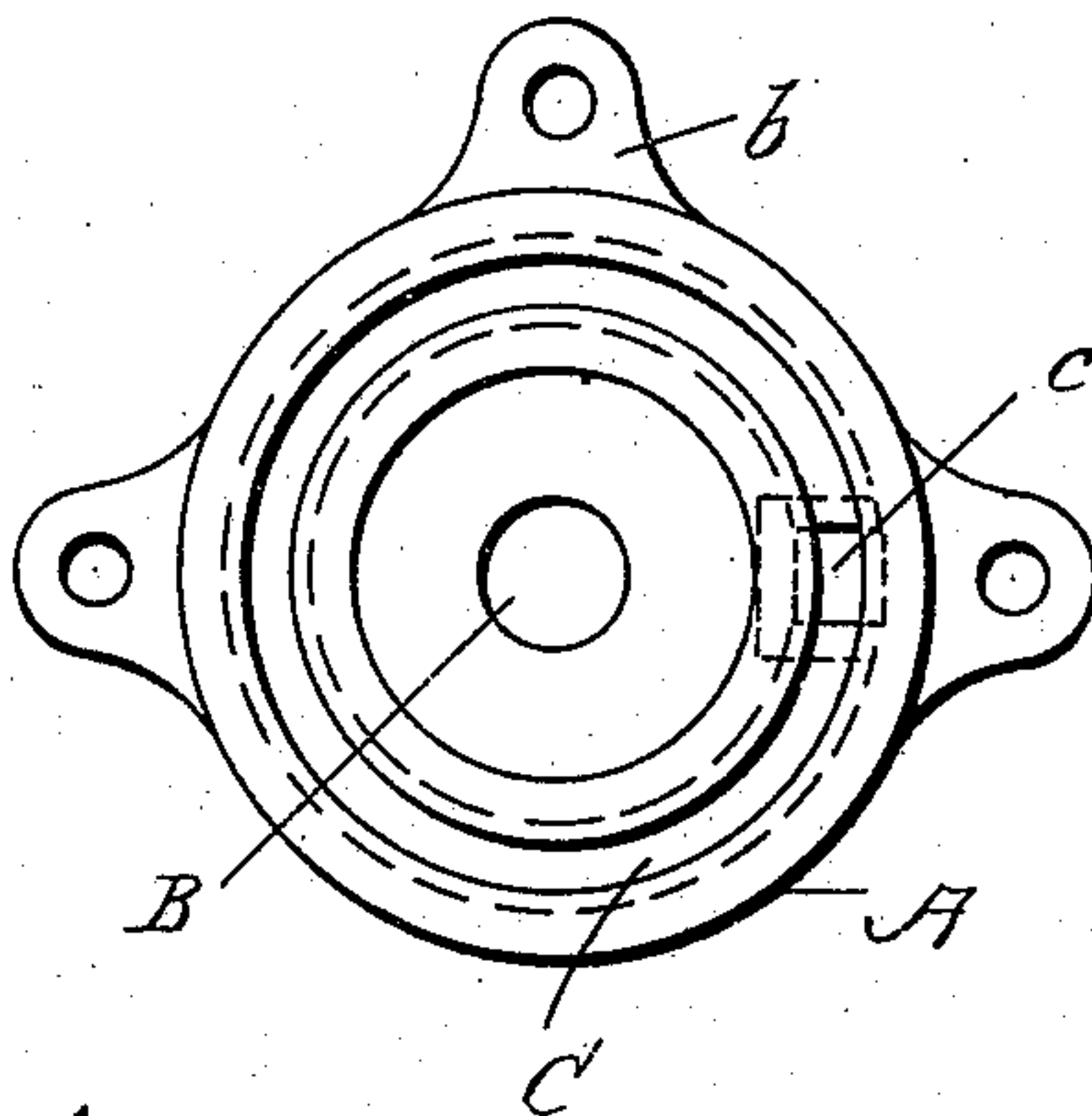
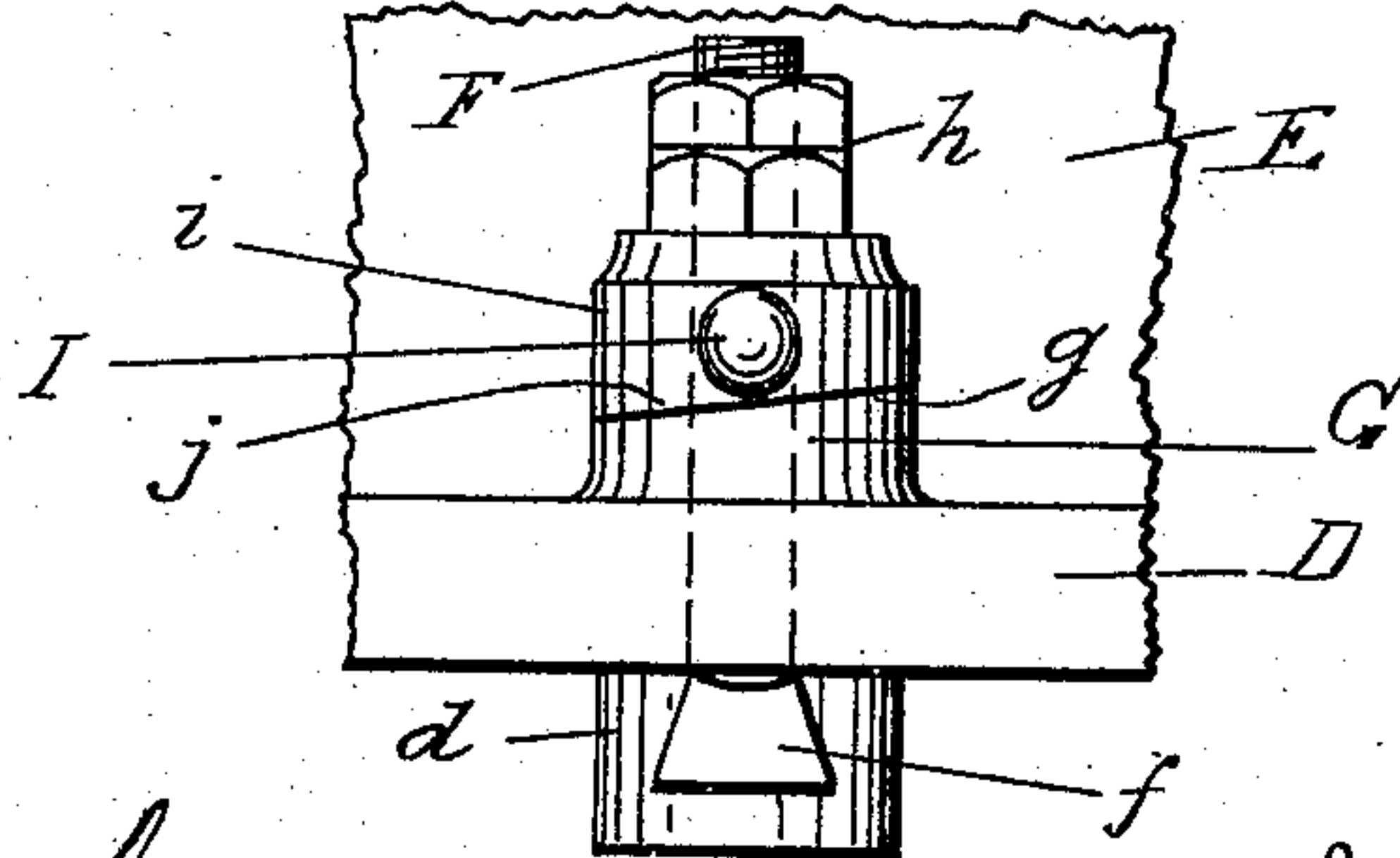


FIG. 4.



WITNESSES:

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SWIVELED BASE.

No. 854,984.

Specification of Letters Patent.

Patented May 28, 1907.

Application filed December 8, 1906. Serial No. 346,991.

To all whom it may concern:

Be it known that I, JOHN G. CORBETT, a citizen of the United States, residing at Waynesboro, in the county of Franklin and State of Pennsylvania, have invented certain new and useful Improvements in Swiveled Bases; 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.

This invention relates to swiveled bases for supporting articles so that the article may be turned around to any desired position; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a vertical section through the swiveled base. Fig. 2 is a plan view of the upper plate. Fig. 3 is a plan view of the lower plate. Fig. 4 is a detail side view of the locking cam and boss.

A is the lower plate which is provided with lugs *b* and suitable bolts for securing it to any stationary object such as a work bench or table. This plate A has a central hole B and an annular dovetailed groove C arranged concentric with the said hole. The dovetailed groove is open at the upper side of the plate, and at one point of its bottom a hole or opening *c* is provided of the full width of the bottom of the said groove.

D is the upper base plate which is provided with a circular projection *d* which is journaled in the central hole B of the lower base plate so that the upper plate is revoluble in contact with the lower plate. The article is supported by the upper plate in any approved manner, and may be secured to it by any approved fastening or clamping devices which are not shown in the drawings. E are portions of vertical plates or webs which project from the upper plate and which assist in supporting the article and holding it in position.

F is a locking bolt provided with a rectangular and dovetailed head *f* at its lower end. This bolt is inserted upwardly through the hole *c* so that its head engages with the dovetailed groove or slot C. The groove C is only slightly undercut so that the head *f* of the bolt is drawn into engagement with it gradually and with some elasticity of action, and

is not drawn up to a sudden stop as when a T-shaped groove is used.

The groove C is covered by the upper plate so that no dirt can get into it.

G is a boss on the upper plate which is provided with an inclined or cam surface *g* at its top. The bolt F passes through a hole in this boss and plate, and is provided with nuts *h* which are screwed on its top end portion.

I is a locking lever provided with a boss *i* at one end having an inclined or cam-shaped face *j* which is arranged in contact with the inclined face *g*. The boss of the locking lever is mounted on the locking bolt between the nuts and the boss on the lower plate. The two plates are locked together by moving the locking lever in one direction, and are unlocked by moving the lever in the reverse direction. A very small movement of the lever is sufficient to lock and unlock the plates, and a very fine adjustment of the locking device is afforded by the nuts *h*. The locking bolt is prevented from revolving by its square or rectangular head which engages with the dovetailed groove.

The locking boss G may be formed integral with the upper plate as shown, or it may be secured to it in any approved manner so as to be renewed when worn.

A swiveled base constructed in this manner is very efficient, and has the important advantage of having no openings, holes or slots in which dirt, chips or shavings can lodge, and thereby interfere with its free working. This swiveled base is principally used by mechanics for supporting work, tools and other articles, but it may be used as a display stand and for other purposes to which it is applicable.

What I claim is:

1. The combination, with two plates pivotally connected together, one of the said plates having an annular groove and the other said plate having a stationary and rigid boss provided with a guide-hole and having an inclined face, of a non-revoluble bolt slidable in the said guide-hole and having a head at one end which engages with the said groove, a nut on the projecting end portion of the said bolt, and a locking-device pivoted on the said bolt between the said nut and boss and having an inclined face which engages with the inclined face of the boss and

which operates to slide the said bolt longitudinally in the said guide-hole to clamp and release the two said plates.

2. The combination, with two plates pivotally connected together, one of the said plates having an angular wedge-shaped groove, and the other said plate having a rigid boss provided with an inclined face and a guide-hole, of a non-revoluble bolt slidable in the said guide-hole and having a wedge-shaped head for engaging with the said

groove, a nut on the projecting end portion of the said bolt, and a locking-device pivoted on the said bolt between the said nut and boss and having an inclined face which engages with the face of the said boss. 15

In testimony whereof I have affixed my signature in the presence of two witnesses.

JOHN G. CORBETT.

Witnesses:

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ALF. N. RUSSELL.