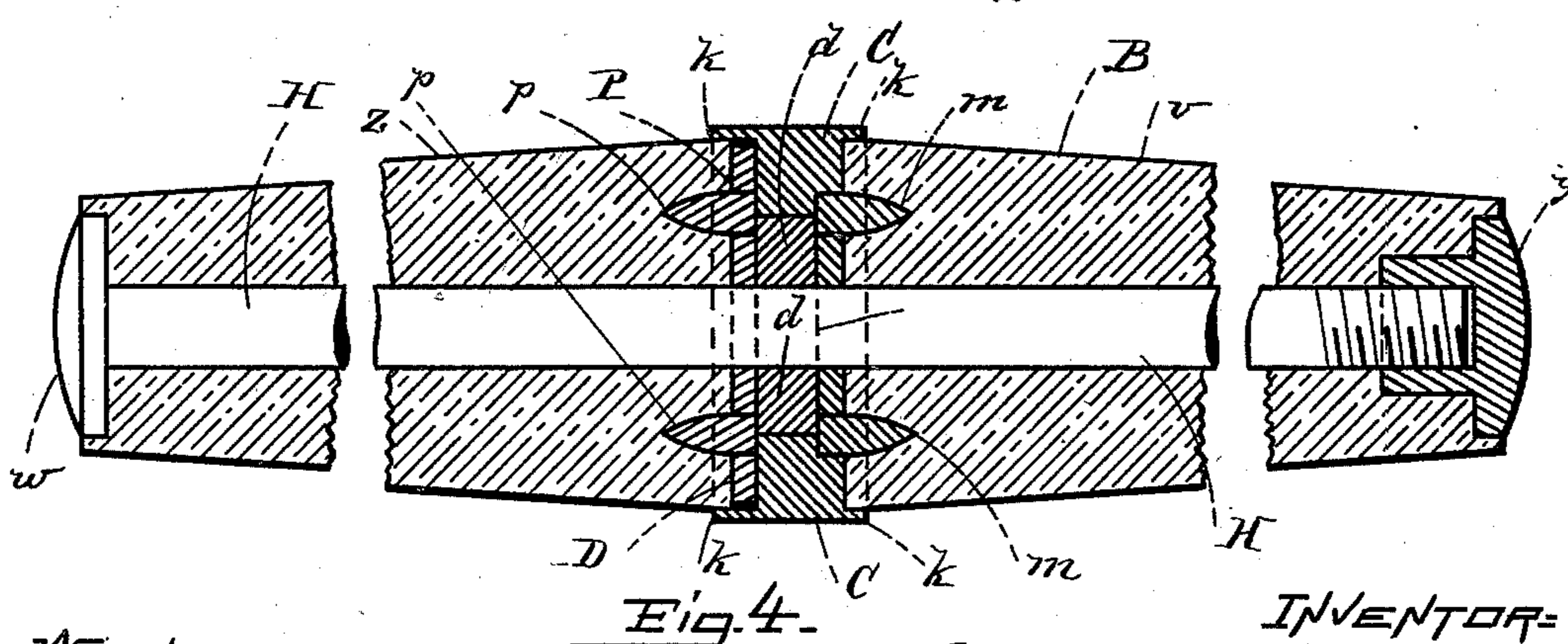
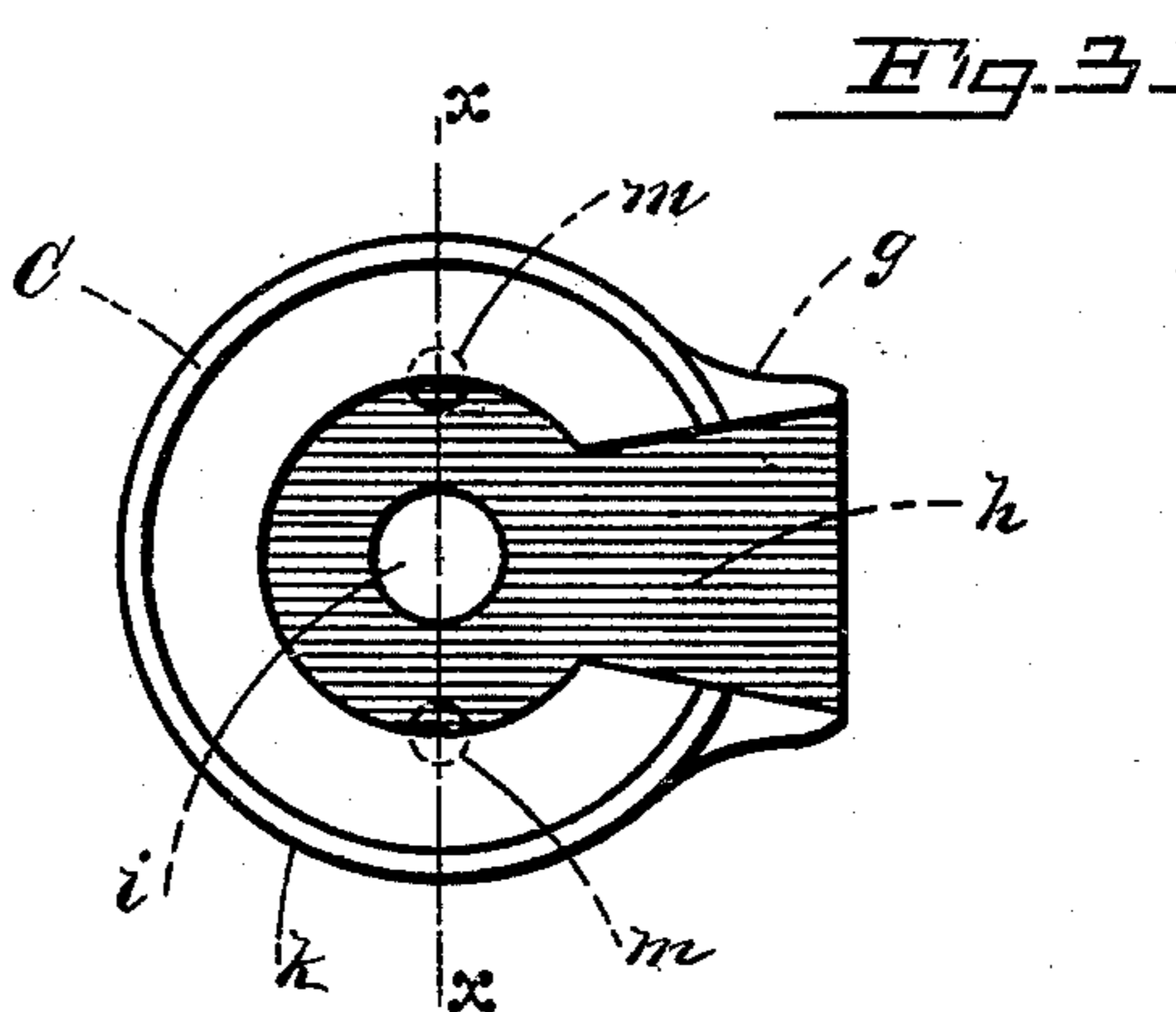
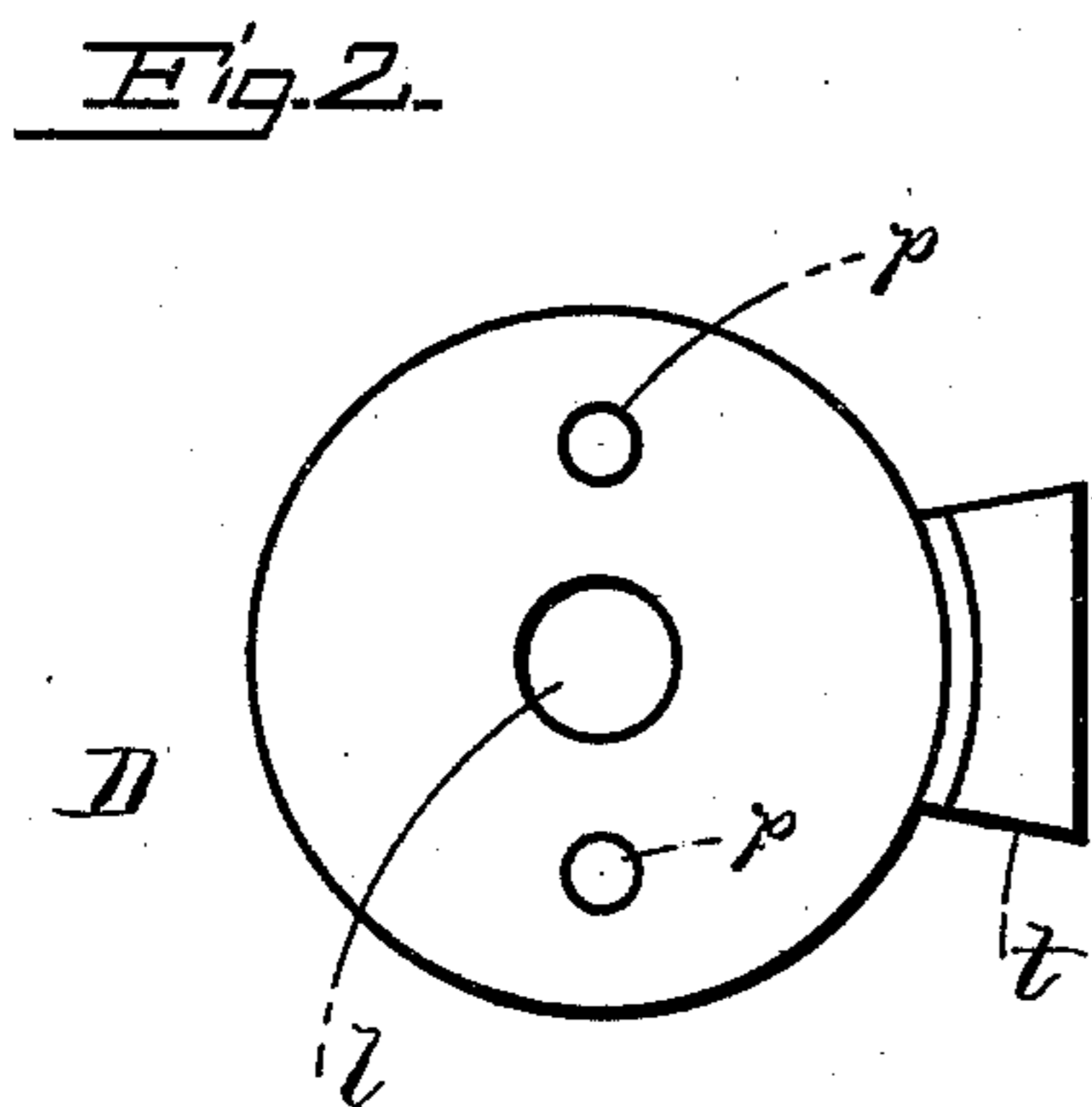
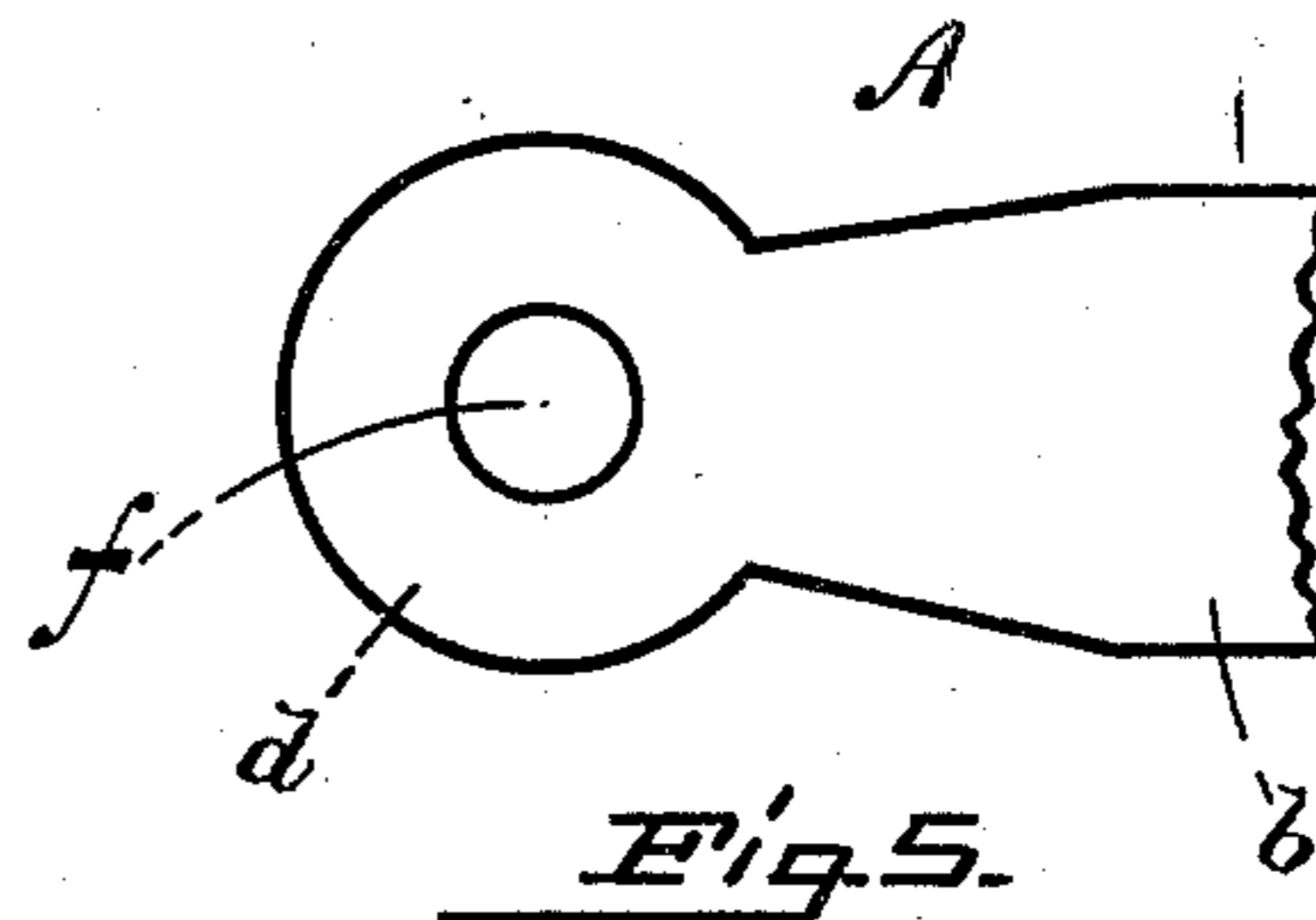
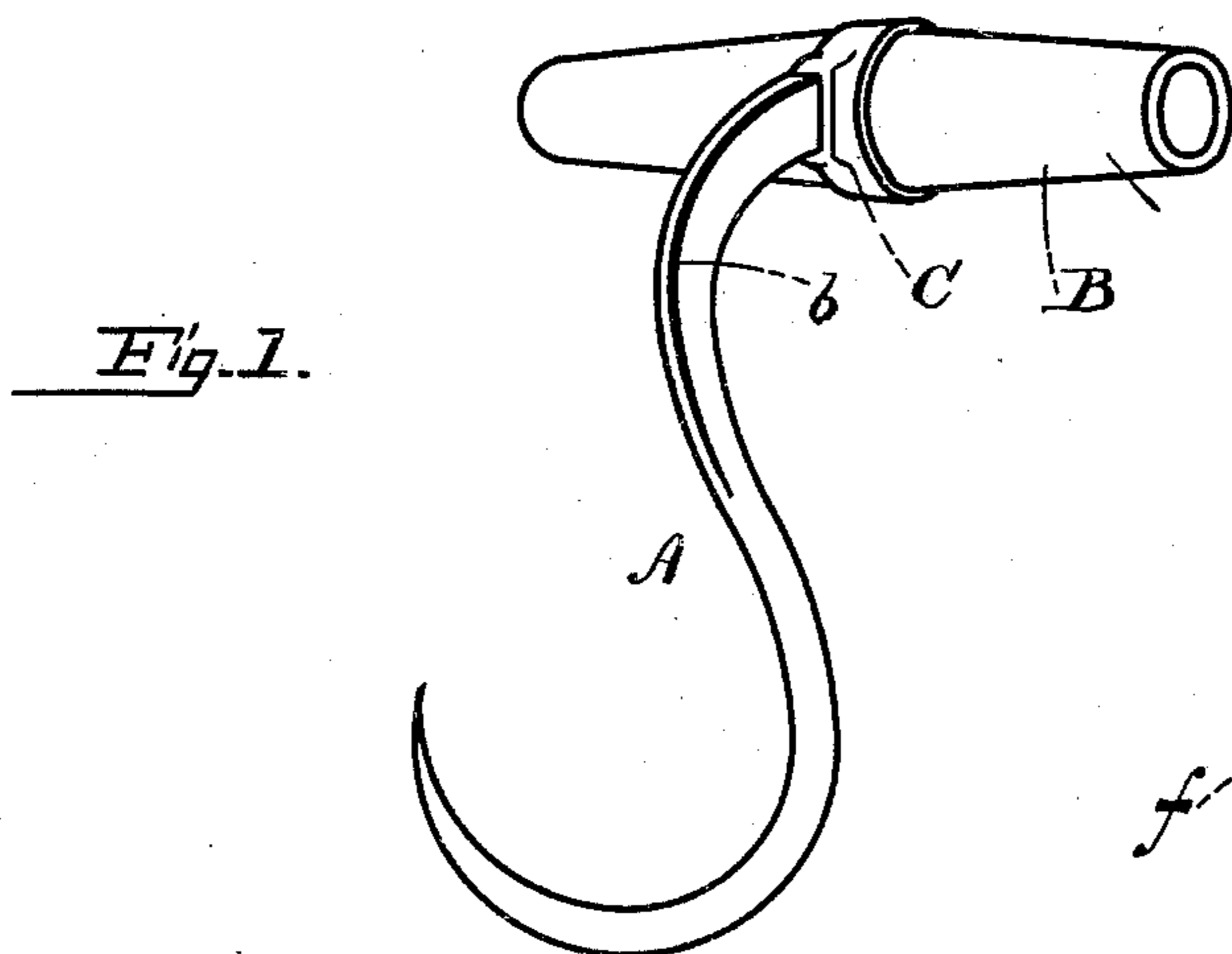


(No Model.)

G. E. DUTTON.
CASE HOOK.

No. 408,380.

Patented Aug. 6, 1889.



WITNESSES:
W. F. Engler
H. S. Soper

INVENTOR:
George E. Dutton,
PER C. A. Shawlee,
ATTY.

UNITED STATES PATENT OFFICE.

GEORGE E. DUTTON, OF MEDFORD, ASSIGNOR OF ONE-HALF TO JOHN BURRILL, OF BOSTON, MASSACHUSETTS.

CASE-HOOK.

SPECIFICATION forming part of Letters Patent No. 408,380, dated August 6, 1889.

Application filed May 29, 1889. Serial No. 312,575. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. DUTTON, of Medford, in the county of Middlesex, State of Massachusetts, have invented a certain new and useful Improvement in Case-Hooks, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of my improved hook; Figs. 2 and 3, enlarged elevations of the hook-plates removed; Fig. 4, an enlarged vertical longitudinal section of the handle with the hook in position, taken on line *x x* in Fig. 3; and Fig. 5, a sectional view of the head of the hook proper.

Like letters of reference indicate corresponding parts in the different figures of the drawings.

My invention relates especially to means for attaching the handle to a case-hook, whereby it is prevented from revolving thereon; and it consists in certain novel features, as hereinafter fully set forth and claimed, the object being to produce a simpler, cheaper, and more effective device of this character than is now in ordinary use.

The nature and operation of the improvement will be readily understood by all conversant with such matters from the following explanation.

In the drawings, A represents the body of the hook, and B the handle, considered as a whole.

The hook A is of the ordinary S-shaped form, and has its upper portion or shank *b* rectangular in cross-section, its head *d* being circular and provided with a bolt-hole *f*. A circular plate C is provided with an outwardly-projecting lip *g*, one face of said plate and lip being grooved at *h* to receive the head *d* and a portion of the shank *b* of the hook. The plate has a centrally-disposed bolt-hole *i* registering with the hole *f* in the head *d*, and each face of said plate has an outwardly-projecting annular flange *k* at its edge. The face of the plate C opposite the groove *h* is provided with two laterally-pro-

jecting spurs or pins *m*. A circular plate D is adapted to fit the grooved face of the plate C within the flange *k*, said plate D being provided with a bolt-hole *l*, two spurs *p*, and a laterally-projecting lip *t*, fitted to enter the groove *h* above the hook-shank *b* when in position.

The handle B comprises two wooden sections *v z*, circular in cross-section and having their larger ends fitted to engage the faces, respectively, of the plates C D within the annular flanges *k*. The sections *v z* have a central longitudinally-arranged bolt-hole registering with the holes *f i l* when in position.

In the use of my improvement the hook-head *d* is disposed in the groove *h* of the plate C, so that its shank *b* rests in the continuation of said groove in the lip *g*. The plate D is then adjusted with its lip *t* in the groove *h*, as described. The handle-sections *v z* are respectively driven onto the spurs *m p* until their ends engage said plates within the flanges *k*. A bolt H is passed longitudinally through the bolt-holes in the handle-sections, plates, and hook-head, and is secured by a nut *y*. The outer ends of the handle-sections are countersunk to receive the bolt-head *w* and said nut, respectively.

The handle-sections are preferably provided with sockets to receive the spurs *m p*, instead of being driven thereon, said spurs preventing the sections from rotating on the bolt when the hook is in use. The rectangular shank of the hook proper being fitted into the plate-groove prevents it from moving on the bolt.

Having thus explained my invention, what I claim is—

1. In a case-hook, a hook proper having a circular head and rectangular shank, in combination with a plate having a face grooved to receive said head and shank, handle-sections, and a bolt secured in bolt-holes in said sections, head, and plate, substantially as described.

2. In a case-hook, a hook proper provided with a rectangular shank and circular head having a bolt-hole, in combination with a plate having a bolt-hole, grooved face for said head and shank, a peripheral flange on each face, and spurs for entering handle-sections

secured to said plate by a longitudinally-disposed bolt, substantially as described.

3. In a case-hook, a hook proper, a plate having a face grooved to receive the head thereof, peripheral flanges on each face of said plate, a cap-plate having a lip to enter said groove, said plates being provided with laterally-projecting spurs and bolt-holes registering with a hole in said head, and a sectional handle secured to said plates by a bolt and nut, substantially as described.

4. In a case-hook, the hook A, having the shank *b*, head *d*, and bolt-hole *f*, in combination with the plate C, provided with the lip *g*, groove *h*, hole *i*, flanges *k*, and spurs *m*, the handle-sections *v z*, bolt H, and nut *y*, arranged substantially as described.

5. In a case-hook, the hook A, provided with the shank *b* and head *d*, having the hole *f*, in combination with the plate C, having the groove *h* and hole *i*, the plate D, having the hole *l*, the handle-sections *v z*, bolt H, and nut *y*, substantially as described.

6. The hook A, provided with the hole *f*, in combination with the plate C, having studs *m* and hole *i*, the plate D, having hole *l* and studs *p*, the sections *v z*, the bolt H, and nut *y*, arranged to operate substantially as described.

GEORGE E. DUTTON.

Witnesses:

O. M. SHAW,
K. DURFEE.