

(No Model.)

J. T. GRAMER.
SCRUBBING BRUSH HOLDER.

No. 345,893.

Patented July 20, 1886.

Fig. 1

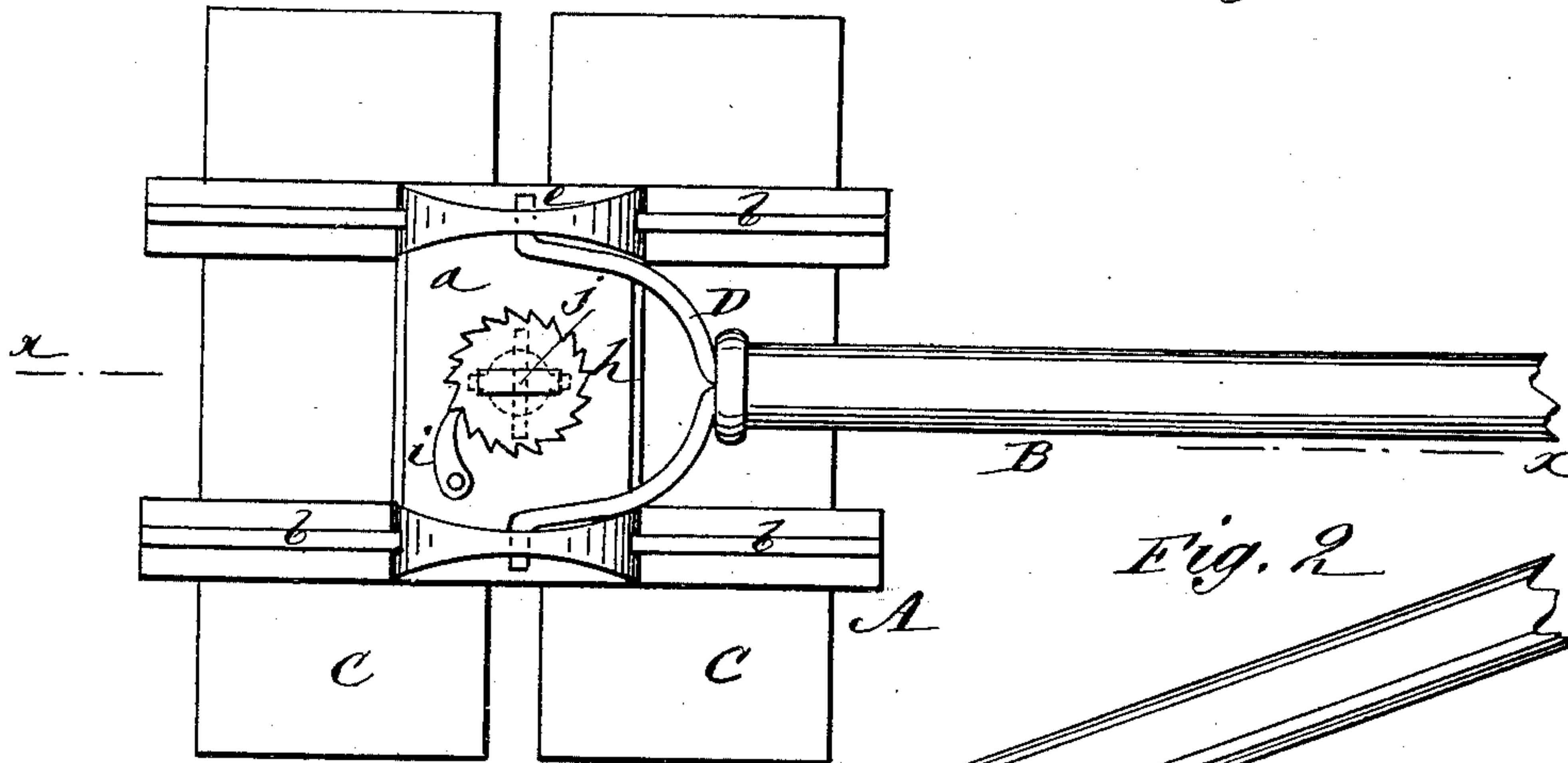


Fig. 2

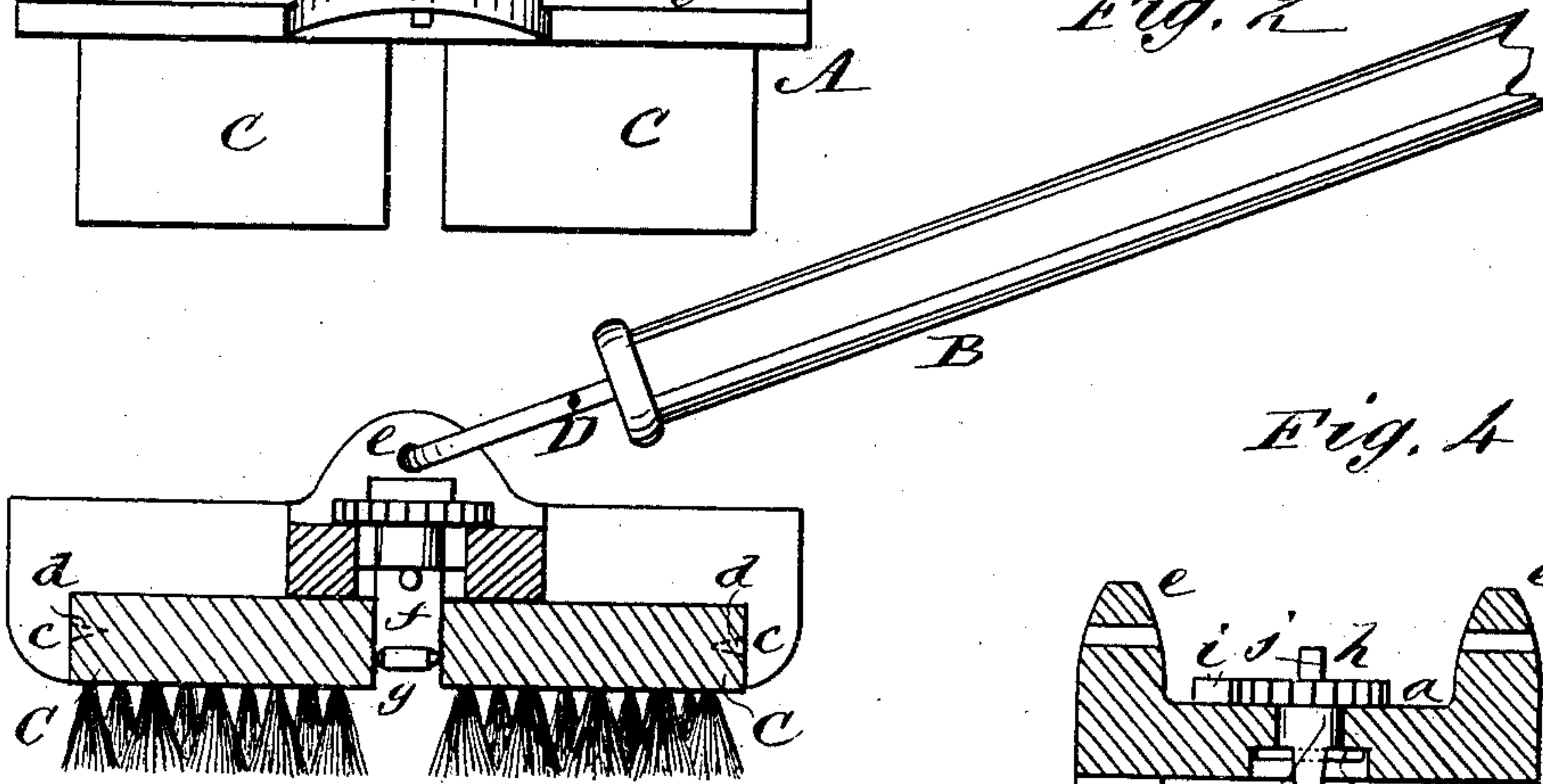


Fig. 4

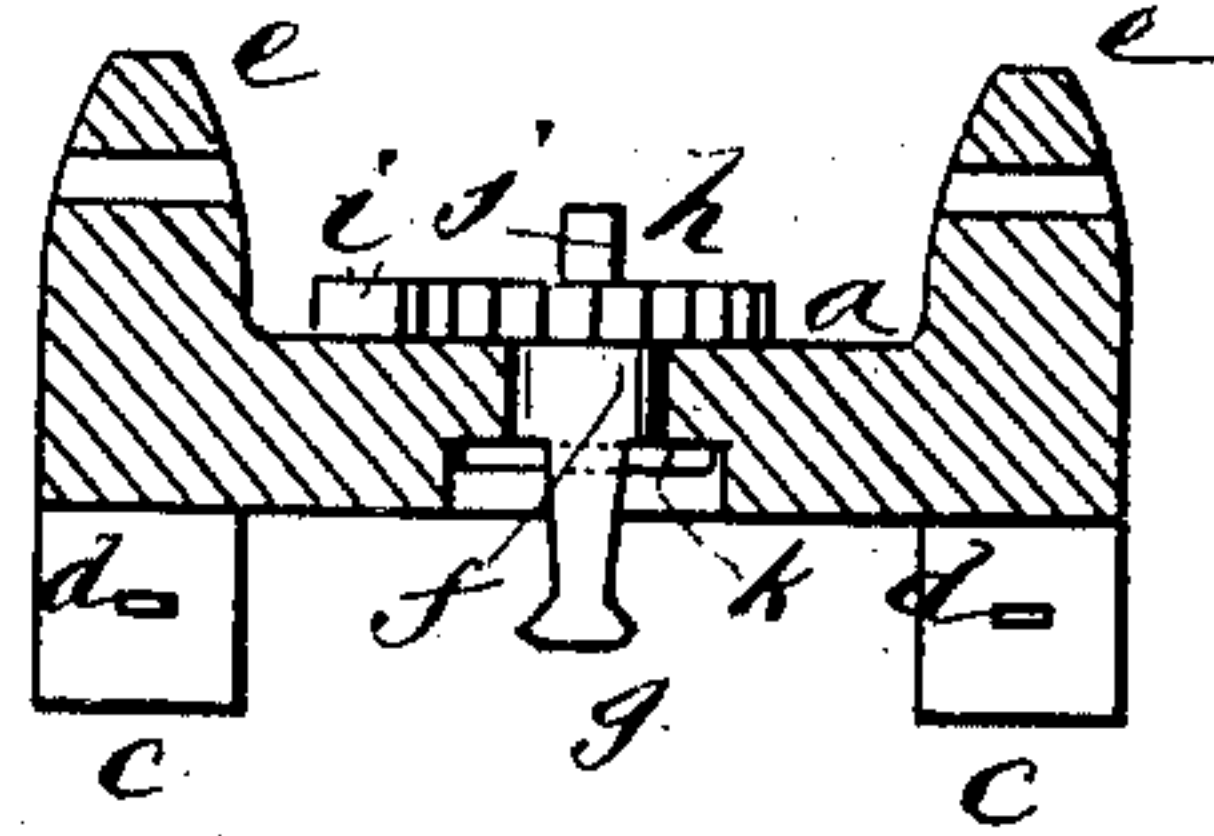
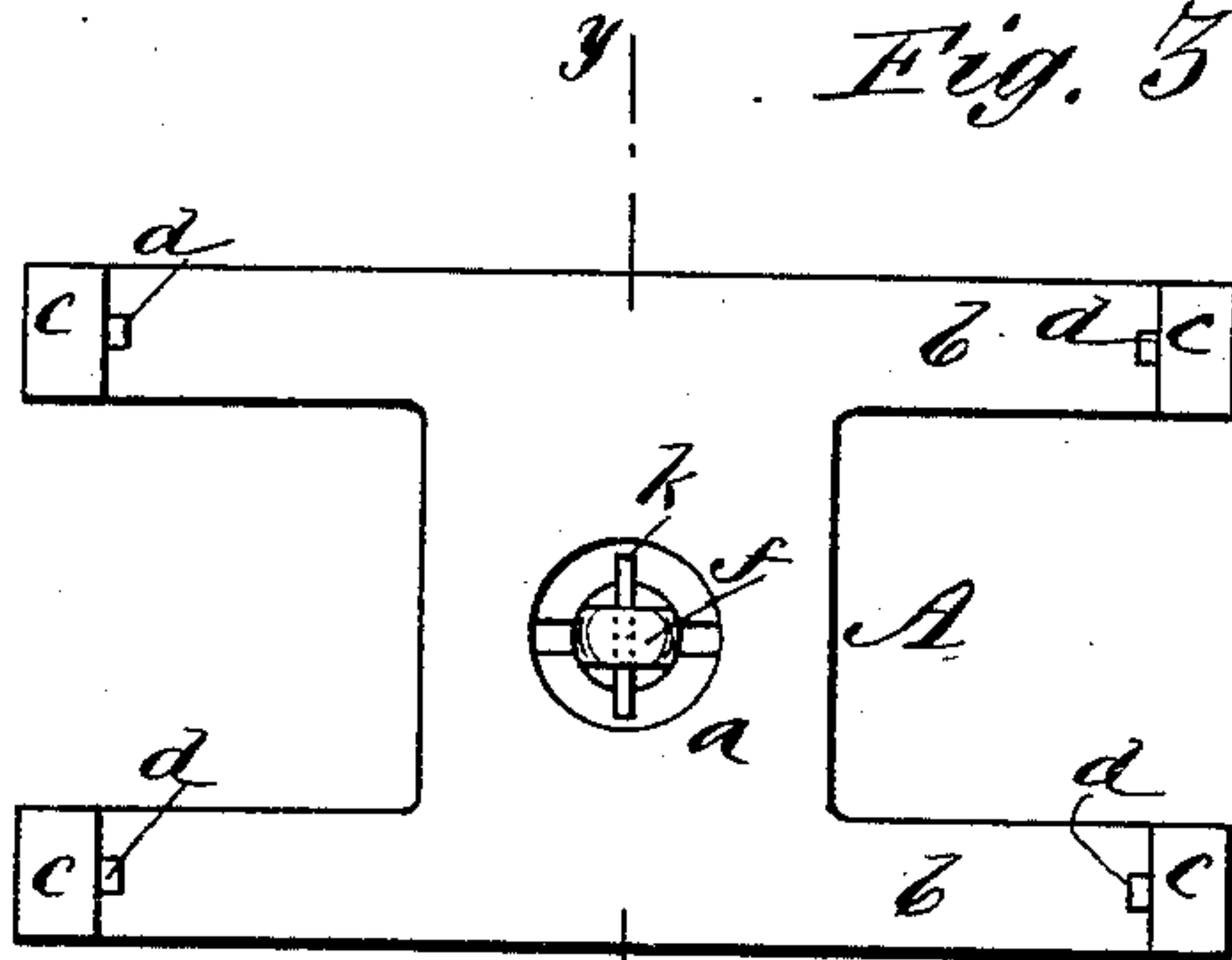


Fig. 5



WITNESSES:

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JOHN T. GRAMER, OF BOWMANSVILLE, PENNSYLVANIA.

SCRUBBING-BRUSH HOLDER.

SPECIFICATION forming part of Letters Patent No. 345,893, dated July 20, 1886.

Application filed March 17, 1886. Serial No. 195,533. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. GRAMER, of Bowmansville, in the county of Lancaster and State of Pennsylvania, have invented a new and useful Improvement in Scrubbing-Brush Holders, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a plan view. Fig. 2 is a transverse section taken on line *xx* in Fig. 1. Fig. 3 is an inverted plan view of the brush-clamp. Fig. 4 is a transverse section taken on line *yy* in Fig. 3.

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

The object of my invention is to provide a holder for scrubbing-brushes, in which the brushes may be readily clamped in position for use, and from which they may be easily removed.

My invention consists in a yoke having downwardly-projecting arms provided with spurs extending inward toward the center of the yoke and adapted to engage the edges of the scrubbing-brushes, and a cam journaled in the yoke and adapted to press the scrubbing-brushes in opposite directions against the spurs of the yoke, as hereinafter more fully described.

The yoke *A* is formed of a central cross-bar, *a*, and two parallel side bars, *b*, cast integrally with the cross-bar *a*, and provided with downwardly-projecting arms *c*, on the inner faces of which spurs *d* project toward the center of the yoke. Upon the back of the yoke are formed two ears, *e*, for receiving a bail, *D*, the bail being provided with a tang, which is inserted in the handle *B*, by which the brush-holder is held.

In the center of the cross-bar *a* is journaled a short shaft, *f*, carrying on its lower end a cam, *g*, and upon its upper end, above the cross-bar, a ratchet-wheel, *h*, which is engaged by a pawl, *i*, pivoted to the back of the cross-

bar *a*. The ratchet-wheel *h* is provided with a cross-bar, *j*, by which it is turned, and the shaft *f* is held in place in the cross-bar *a* by a pin, *k*, which is received in a recess in the under side of the cross-bar *a*.

The cam *g* is oblong in form, and it is provided with beveled edges, which are adapted to bite into the edges of the scrubbing-brushes *C*, which are placed between the arms *c* and the cam *g*.

When the brushes are placed in the position indicated, and the shaft *f* is turned, the cam *g* is brought into engagement with the edges of the brushes *C*, pushing them laterally against the spurs *d*, and at the same time forming indentations for itself in the edges of the brushes, which gives the cam a secure hold on the brushes. When the cam is brought in this manner into engagement with the edges of the brushes, the pawl *i* is received in one of the notches of the ratchet-wheel *h*, thus holding the cam in the position in which it is placed. By shifting the handle *B* or turning it on its bail the holder may be reversed.

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

1. A scrubbing-brush holder formed of the yoke *A*, having the cross-bar *a* and longitudinal bars *b*, terminating in arms *c*, provided with spurs *d*, and the central cam, substantially as described, for clamping the scrubbing-brushes between the arms *c*.

2. The combination of the yoke *A*, provided with side bars, *b*, arms *c*, and inwardly-projecting spurs *d*, the shaft *f*, carrying the cam *g* and ratchet-wheel *h*, and the pawl *i*, pivoted to the cross-bar of the yoke and arranged to engage the ratchet-wheel *h*, substantially as herein shown and described.

JOHN T. GRAMER.

Witnesses:

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F. S. STOVER.