

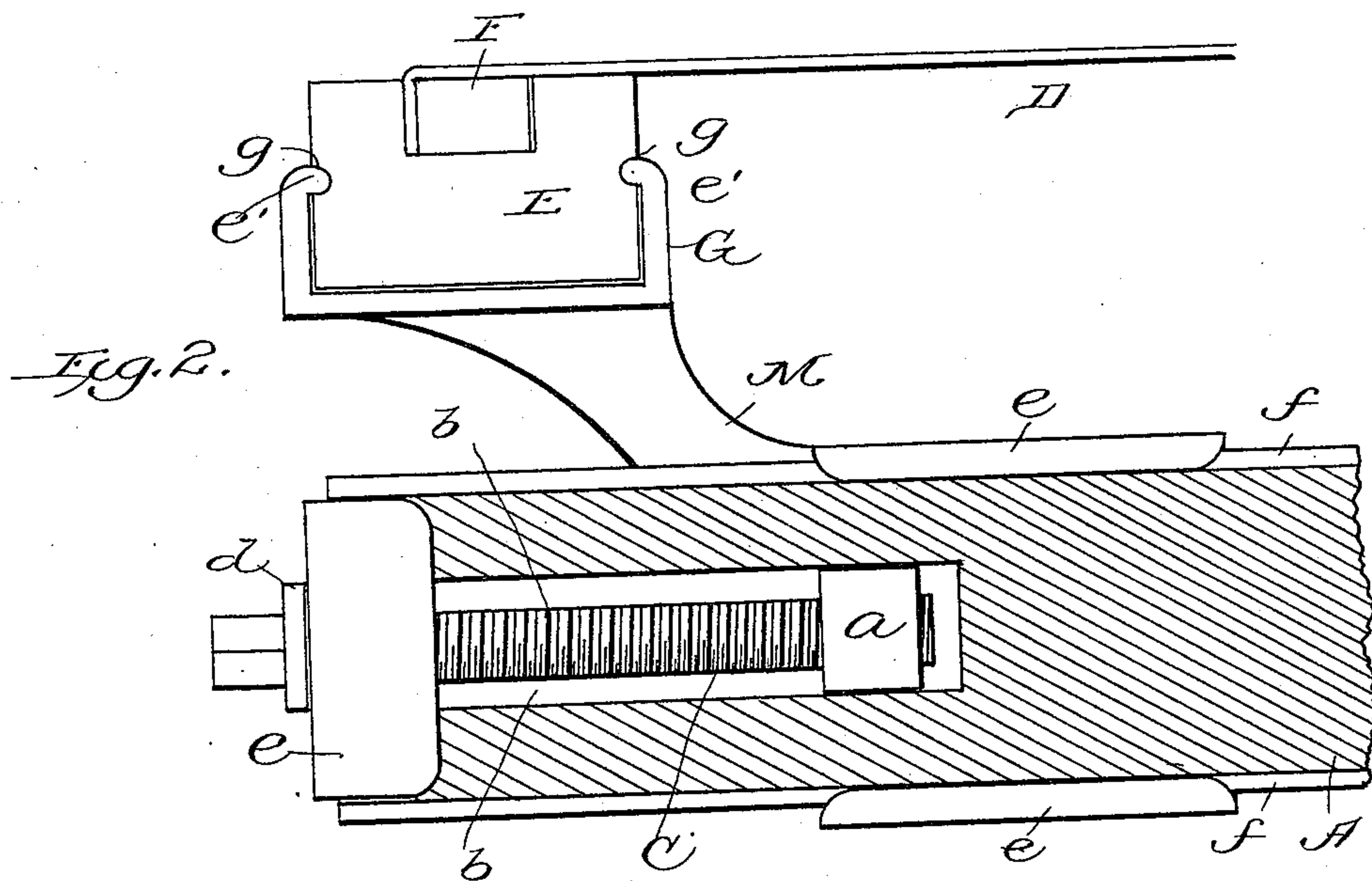
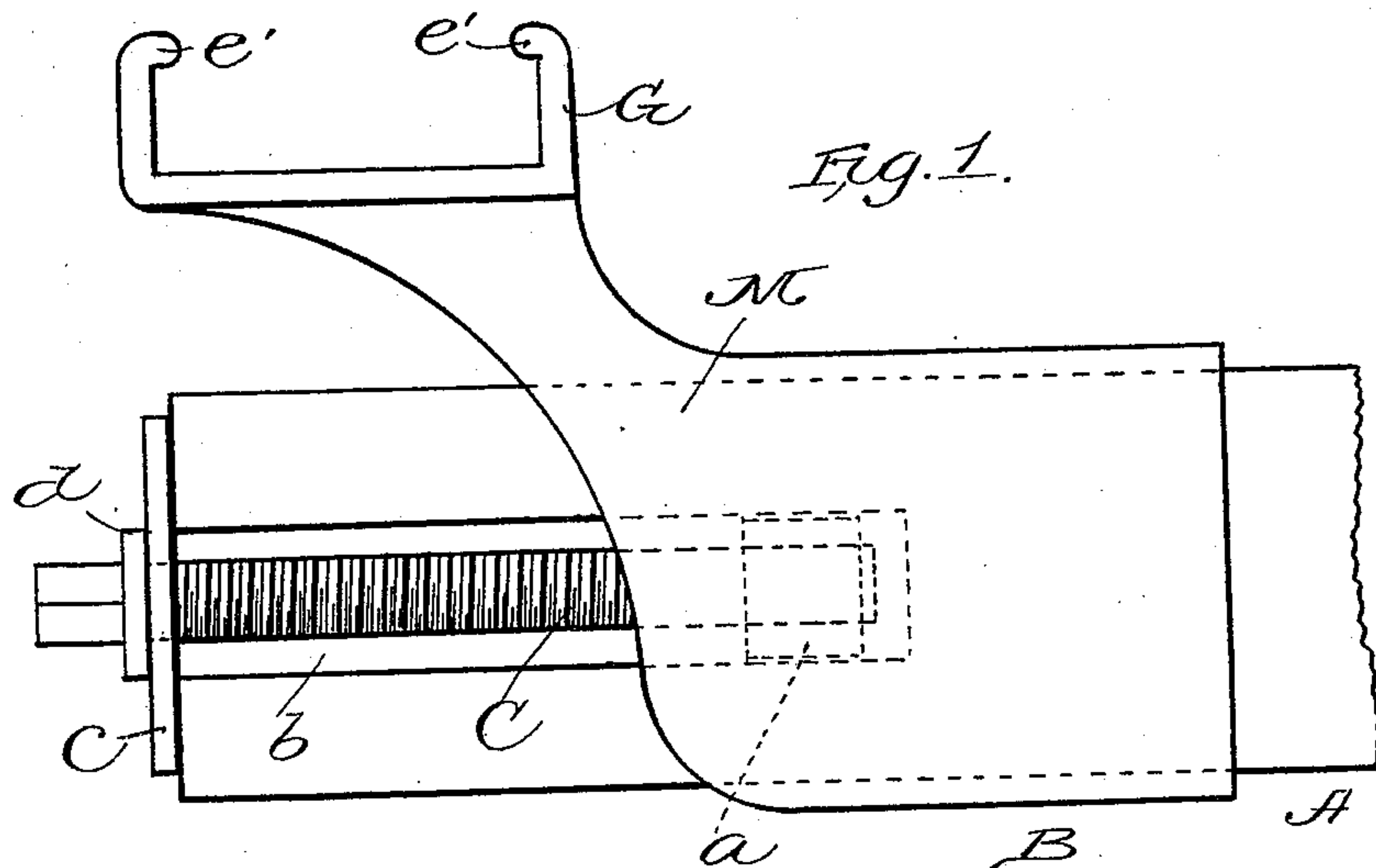
(No Model.)

4 Sheets—Sheet 1.

J. M. BROWN.
BED BOTTOM.

No. 583,025.

Patented May 25, 1897.



WITNESSES:
M. A. M. Grayser
Harry S. Rohrer

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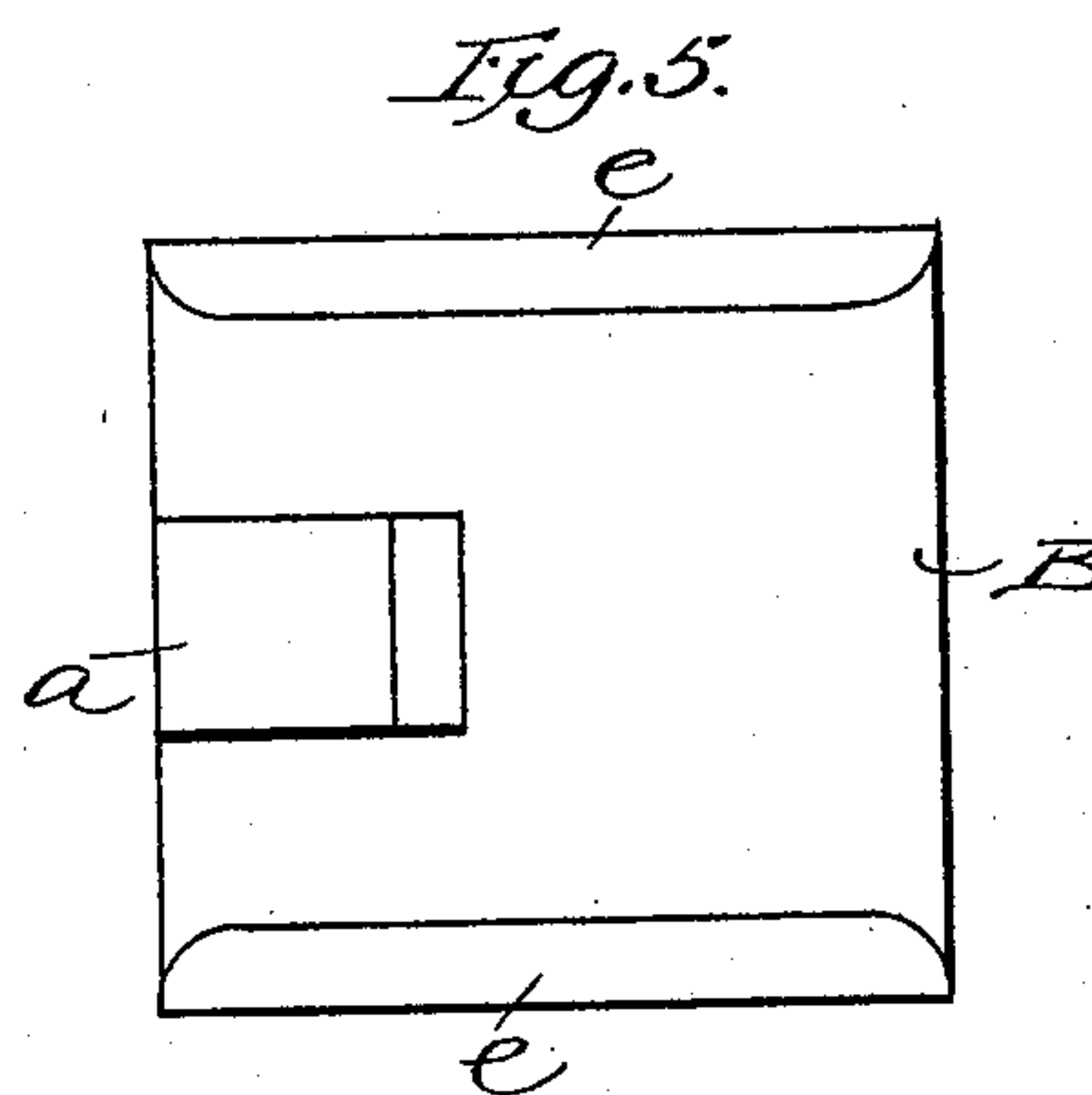
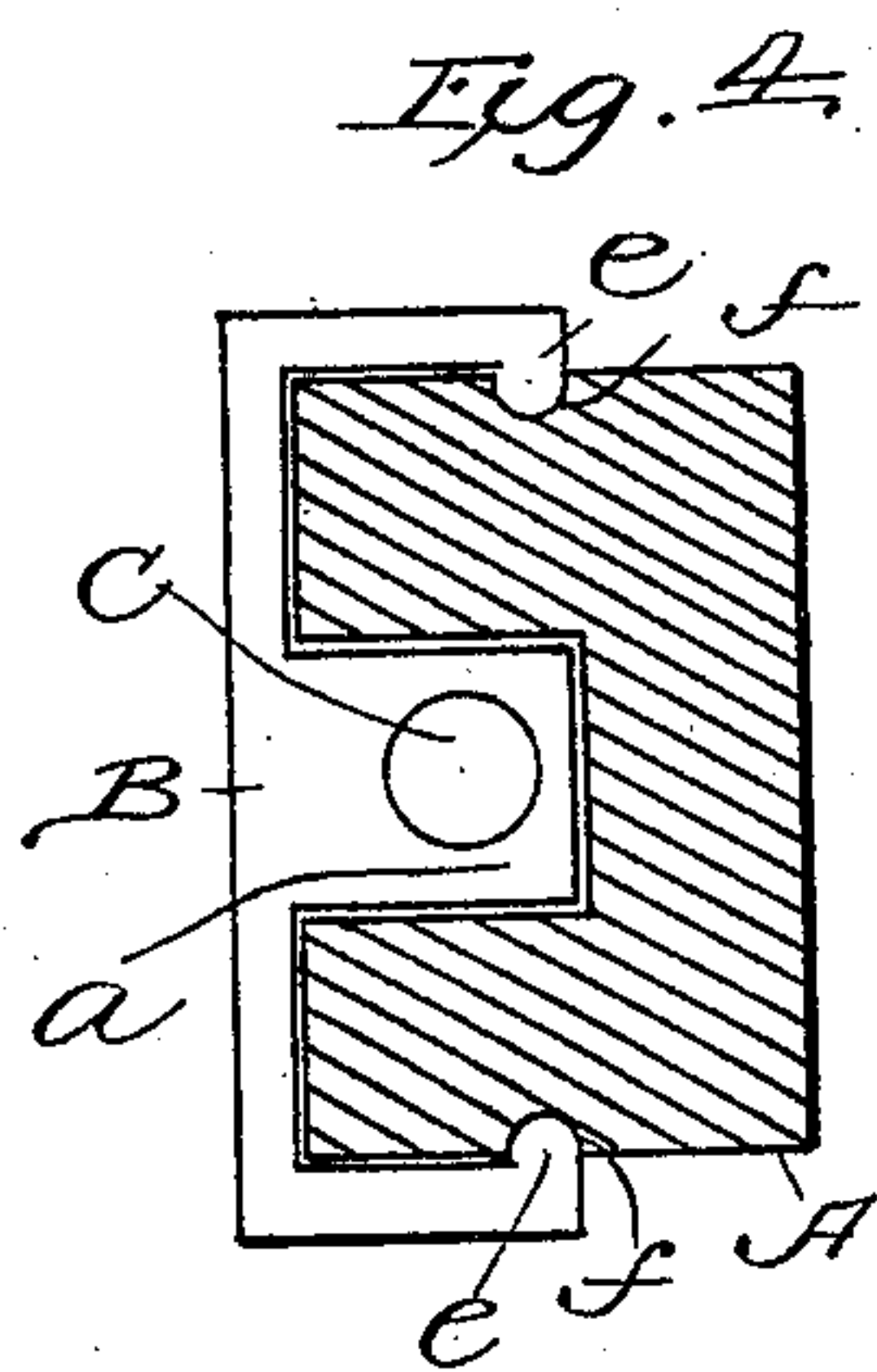
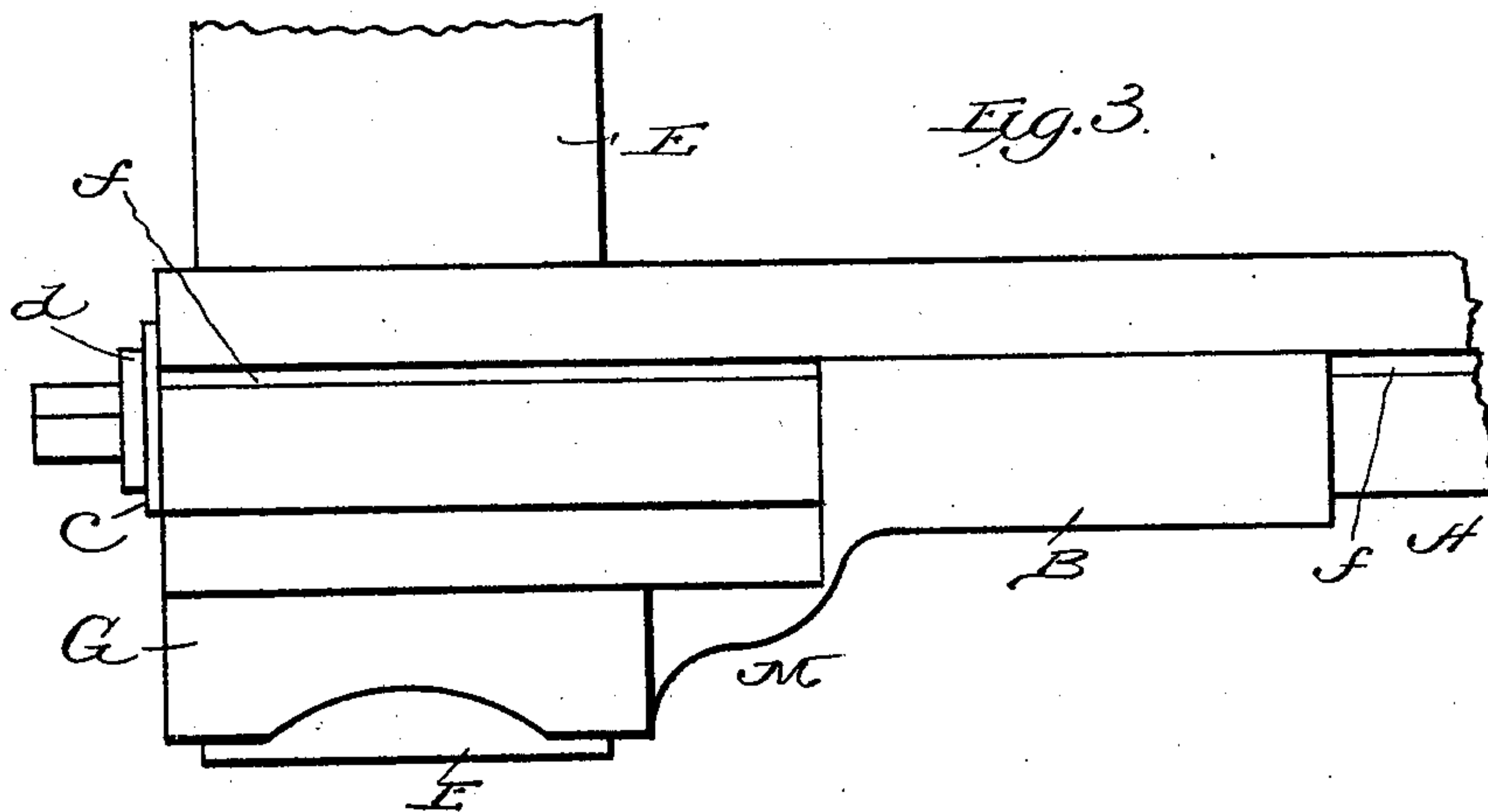
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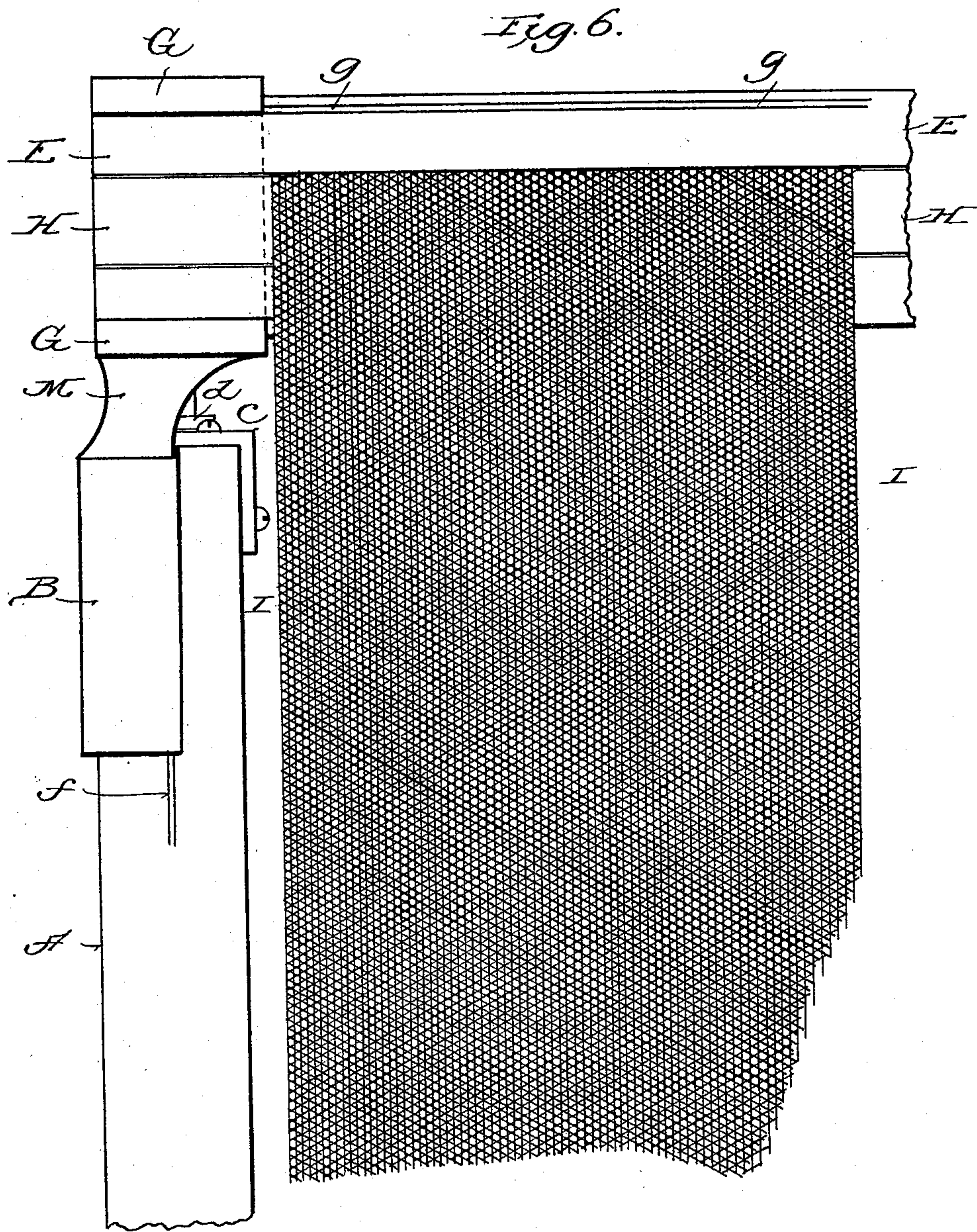
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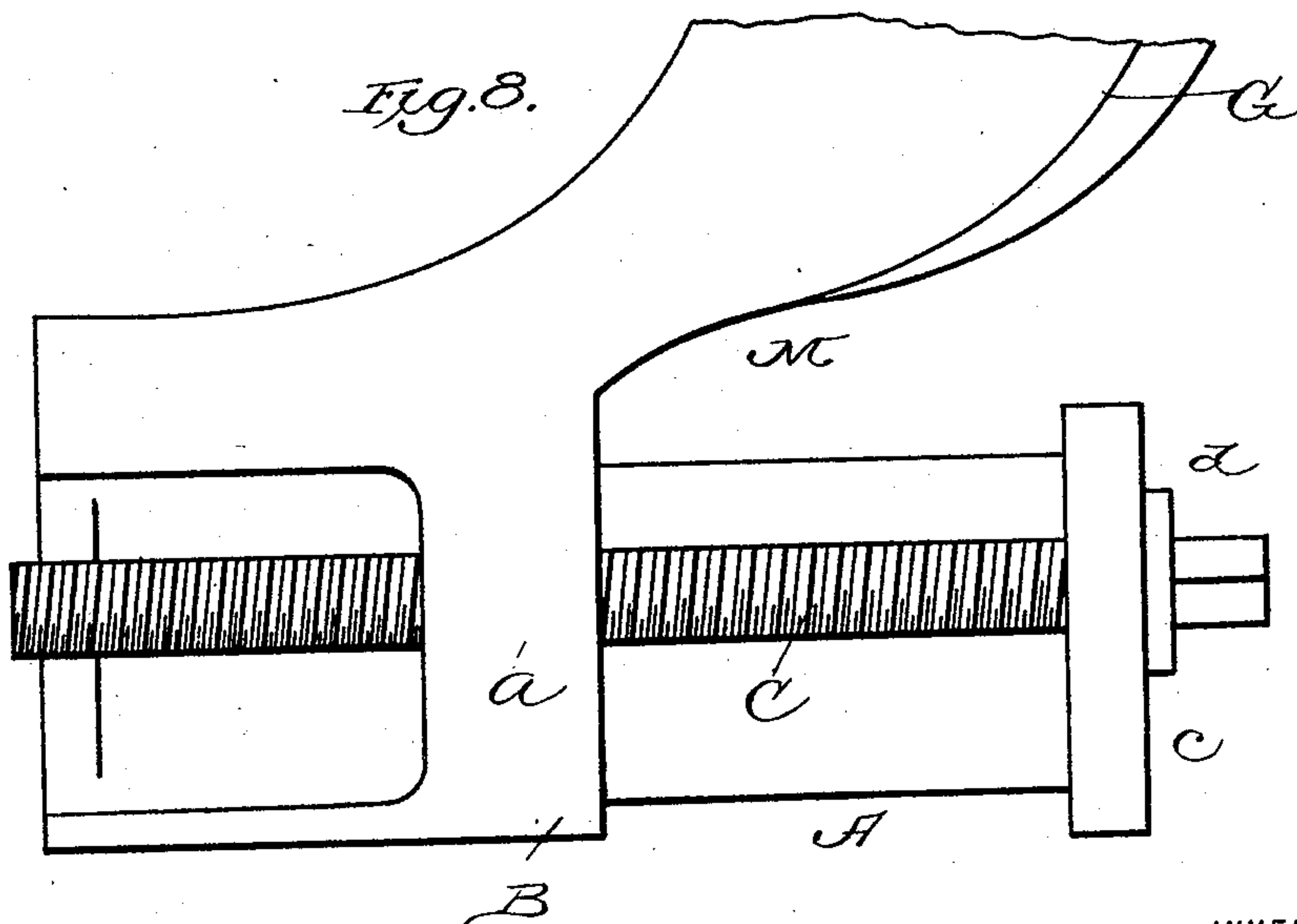
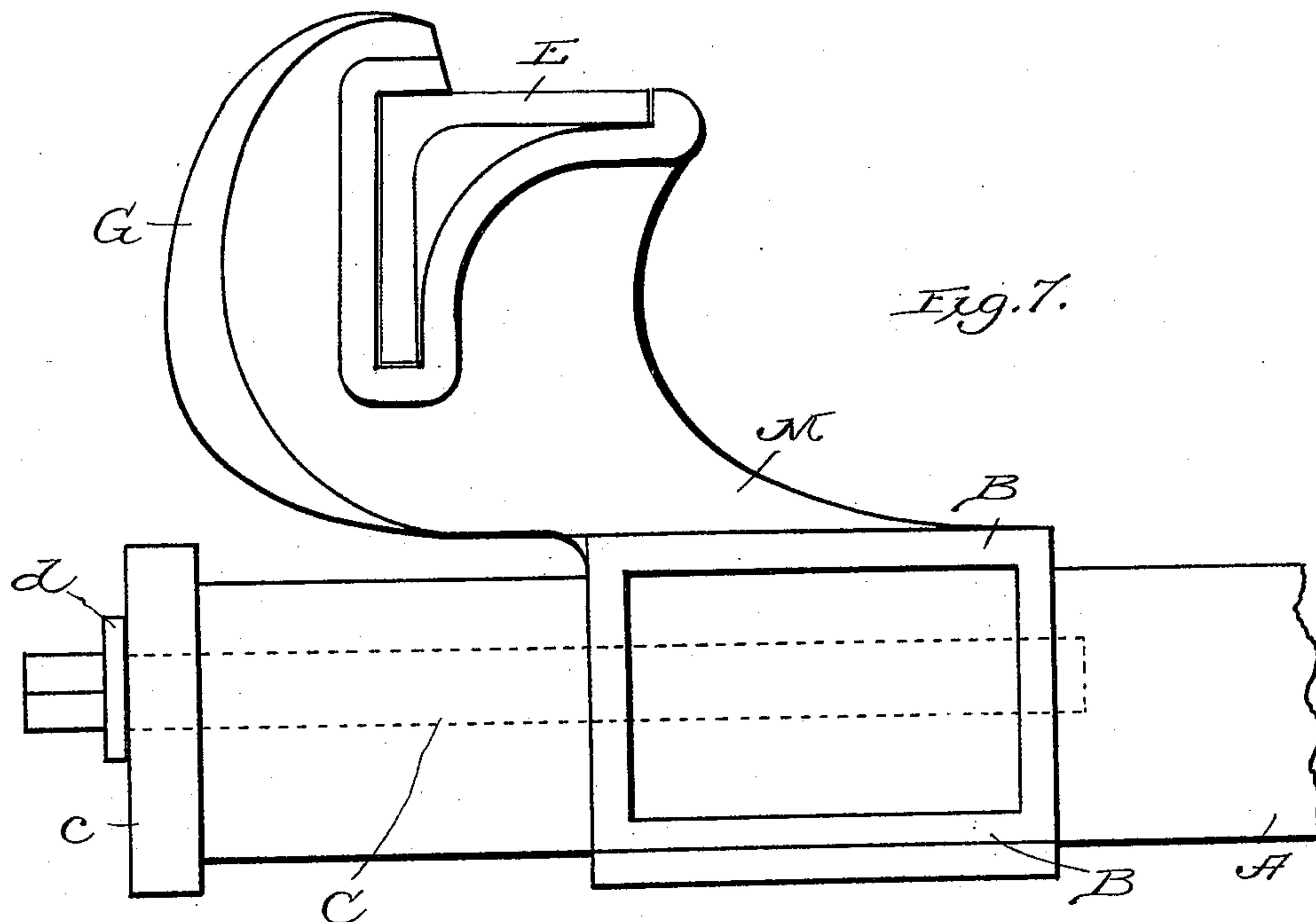
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4 Sheets—Sheet 4.

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UNITED STATES PATENT OFFICE.

JOHN MILTON BROWN, OF MANCHESTER, NEW HAMPSHIRE.

BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 583,025, dated May 25, 1897.

Application filed January 3, 1896. Serial No. 574,216. (No model.)

To all whom it may concern:

Be it known that I, JOHN MILTON BROWN, a citizen of the United States, residing at Manchester, in the county of Hillsborough and State of New Hampshire, have invented certain new and useful Improvements in Bed-Bottoms; 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 an improved device for securing the corners of the framework or rails of bed-bottoms and tightening woven-wire mattresses which are secured to two opposite end rails.

Figure 1 represents a side elevation of a device for securing the side rails and ends of a bed-bottom. Fig. 2 represents an elevation of the device shown in Fig. 1, but attached to the opposite rail, which is shown in section for the purpose of more fully showing the mechanism for tightening the woven-wire mattress. Fig. 3 represents a bottom plan view of one corner of the bed-bottom. Fig. 4 represents a cross-section of a side rail. Fig. 5 represents the inside view of the fastening device to which the side rail is secured. Fig. 6 represents a top plan view of one corner of a bed-bottom, showing the side and end rails and woven-wire mattress thereon. Fig. 7 represents a device for securing the side and end rails, which are made of angle-iron. Fig. 8 represents an inside view of the device shown in Fig. 7, showing the mechanism for stretching the mattress.

Figure 1 represents a side elevation of the device M for securing the side and end rails A and E of the bed-bottoms shown in Fig. 6. The device M, to which the rails are secured, is made in one piece of suitable metal cast or otherwise suitably fabricated. The two extensions B and G of the device M are made so as to receive the ends of the two rails A and E, thus forming one corner of the bed-bottom, as shown in top plan view in Fig. 6.

The tongues or flanges *e e* and *e' e'* fit into the grooves *f* and *g*, as shown in Figs. 2 and 4, for the purpose of keeping the rail in position and from lifting or falling out.

The projection or lug *a* (shown in dotted line in Fig. 1 and in full lines, Figs. 2, 4, and 5)

is cast with the extension B of the device M, and preferably on the inner side of said extension, and forms a nut through which the screw C travels. This screw is for the purpose of stretching a woven-wire mattress. (Shown in Fig. 6.) A clamp of metal, *c*, is secured to one end of the two side rails A for the purpose of covering the recess or slot *b* and affording a firm support for the shoulder *d* of the screw C. The screw-threaded lug *a* enters the recess or slot *b*, and the screw C engages with said lug in the recess, as clearly shown in Figs. 1 and 2. On turning the screw the rail E may be forced toward or beyond the ends of rails A, thus stretching the mattress. A clearance of about five (5) inches between the nut *a* and clamp *c* should be allowed, so that the slack of the mattress can be taken up, as occasion requires.

The end rail E is rabbeted or channeled in its upper face to receive the key or retaining-strip F for securing the wire mattress I to the rail, as shown in Figs. 2 and 6. The mattress having been secured to the rail, the latter is then inserted in the holder G, so that the inwardly-turned flanges *e'* will fit into the grooves *g*, as shown in Fig. 2.

By reason of the inwardly-turned tongues or flanges *e* of the holder B fitting into the longitudinal grooves *f* of the side rail A such holder B can be slid longitudinally on the rail A, while the parts are still securely held together. This construction is important, since it permits the end rail E to be forced downward toward or beyond the ends of the side rails A for properly stretching the woven-wire mattress I.

The device M (shown in Figs. 7 and 8) is adapted to a bed-bottom where the side and end rails A and E are made from angle-iron, the same mechanism being employed for stretching the mattress as shown in Figs. 1 and 2.

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

1. In a bed-bottom, a device M, composed of a casting adapted to hold the side and end rails together and consisting of a holder B, having an interior screw-threaded lug, *a*, and inwardly-projecting tongues *e, e*, adapted to embrace and slide in grooves on the side rail,

and a holder G, open at the top, and having inwardly-projecting tongues, *e'*, *e'*, at right angles to said tongues *e*, and adapted to receive and hold the end rail, leaving the top thereof exposed, and a screw engaging with said screw-threaded lug, substantially as and for the purpose described.

2. The combination with the side rail having a recess or slot *b*, and grooves *f*, *f*, and the end rail having grooves *g*, *g*, of the fastening device composed of the holder B, having an interior screw-threaded lug *a*, and inwardly-turned tongues or flanges, *e*, *e*, for en-

tering said grooves *f*, and sliding upon the side rail, and the holder G, having inwardly-turned tongues or flanges *e'*, *e'*, for receiving and holding the end rail, and a screw C, engaging said lug in recess *b*, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN MILTON BROWN.

Witnesses:

E. A. MORGAN,
L. I. MINARD.