

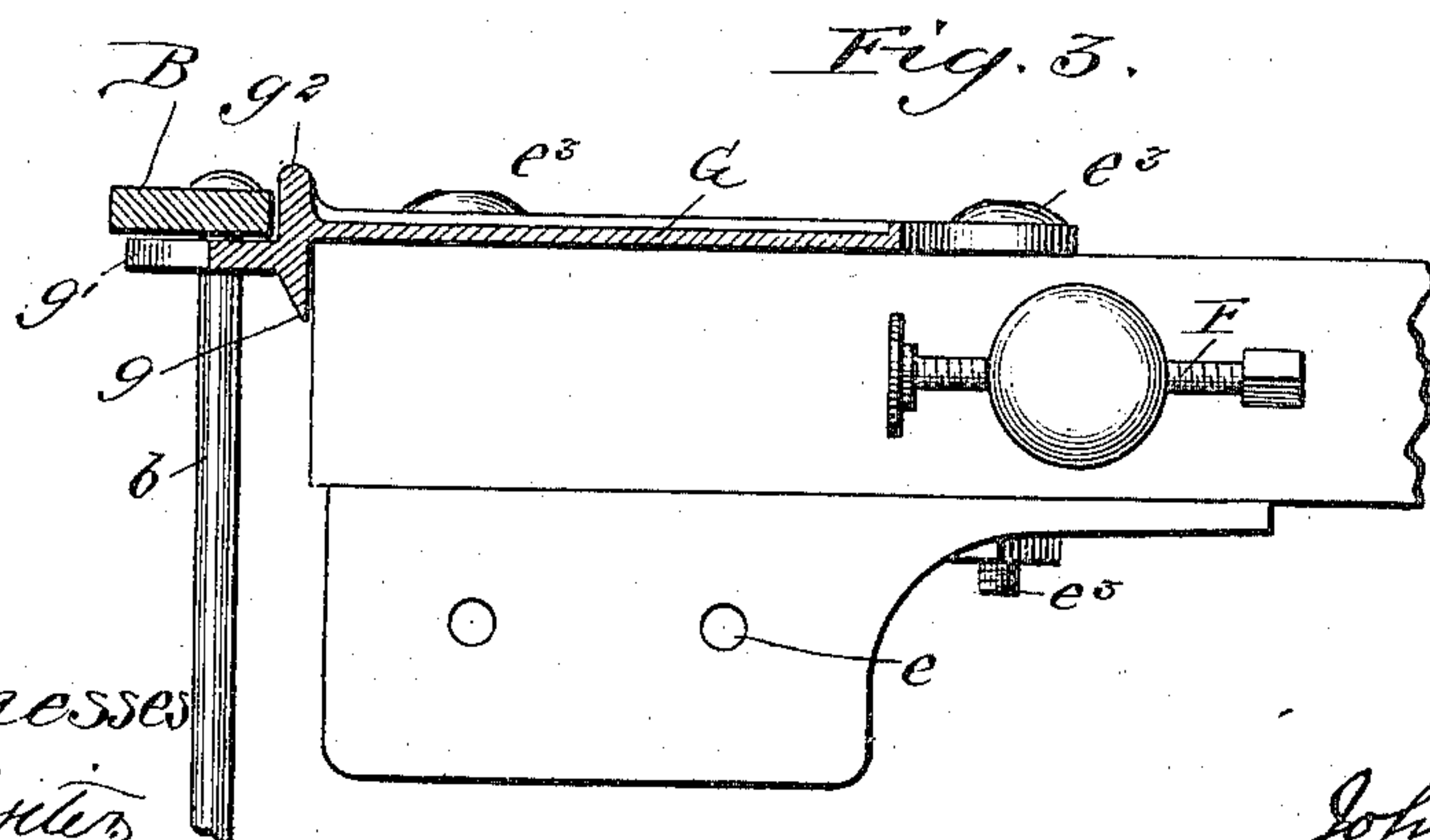
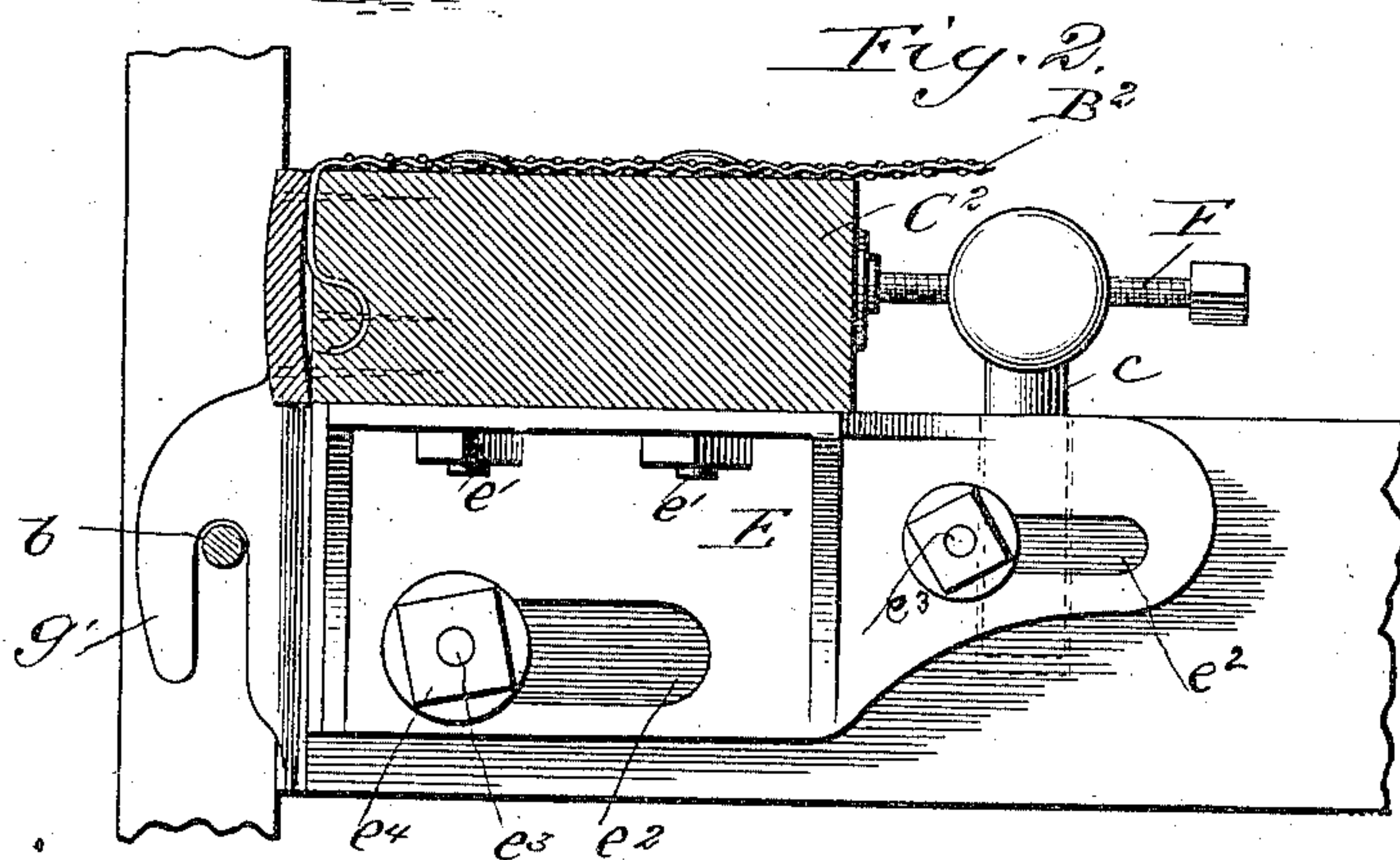
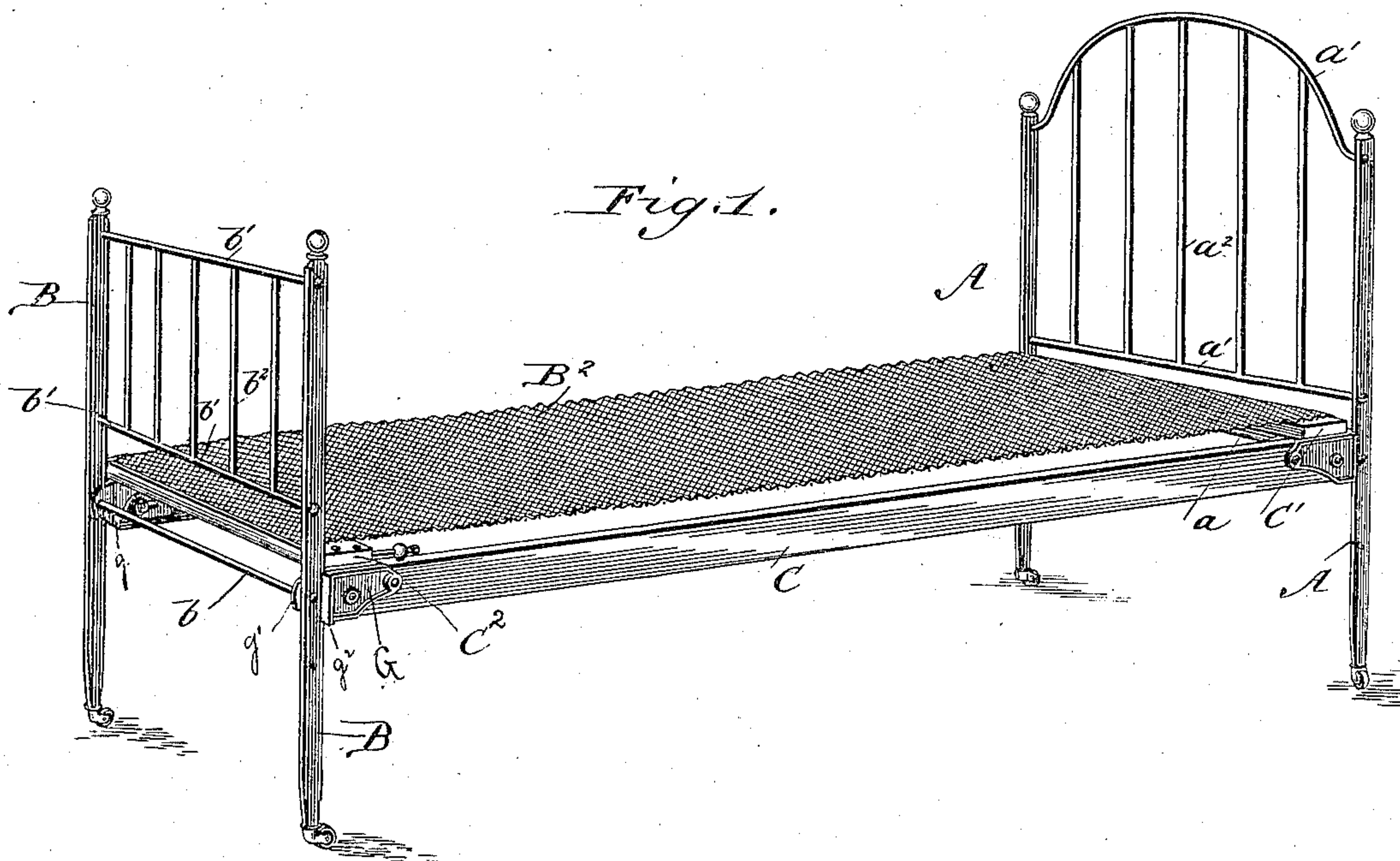
(No Model.)

J. M. KLEIN.

BEDSTEAD.

No. 371,767.

Patented Oct. 18, 1887.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN M. KLEIN, OF CHICAGO, ILLINOIS.

BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 371,767, dated October 18, 1887.

Application filed March 25, 1886. Serial No. 196,504. (No model.)

To all whom it may concern:

Be it known that I, JOHN M. KLEIN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Bedsteads, of which I do declare the following to be a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My present invention has relation to the improvement of that class of bedsteads which are designed to be readily taken apart for the purpose of transportation or storage, and commonly known to the trade as "knockdown" bedsteads; and particularly does my invention relate to the improvement of the construction of the corner-irons, which in this class of bedsteads are connected directly with the side rails of the bed-bottom frame and are sustained by suitable rests or supports upon the head and foot portions of the bedstead.

My invention consists in the novel features of construction, hereinafter described, illustrated in the accompanying drawings, and particularly pointed out in the claim at the end of this specification.

Figure 1 is a perspective view of my improved bedstead. Fig. 2 is an enlarged detail view, in section, through the end bar of the bed-frame. Fig. 3 is a view in section on the line *x x* of Fig. 2.

The head portion of the bedstead consists, preferably, of the upright corner posts, A, connected together by suitable rods, *a* and *a'*, and the foot portion consists of similar corner posts, *b* and *b'*. Between the rods *a* and *a'* and the rods *b* and *b'* suitable vertical rods, *a²* and *b²*, may be placed, and the metal portions of the bedstead may be more or less ornamented, as desired.

Between the head and foot portions of the bedstead extends the bed-frame, as shown, on the wooden or metal side rails, C, of which are sustained the end bars, C' and C², to which are affixed the ends of the wire mattress B² in the usual manner. The end bar C² is preferably connected to the side rails, C, by means of the angle-plates E, having holes *e* in the upper portion thereof to receive the bolts *e'*, that pass through the end bar, and having the slots *e²*, to receive the bolts *e³*, that pass through

the side rails, C, and are provided at their ends with the jam-nuts *e⁴*.

In each of the side rails, C, is fixed the standard *c*, having a screw-threaded opening therein to receive the correspondingly-threaded bolts F, one end of which bears against the end bar C, and the opposite end of which is squared or otherwise adapted to receive a tool whereby it may be turned. The purpose in thus connecting the end bar C² to the side rails, C, is to enable the wire mattress to be stretched from time to time after the same has become loosened by usage, and it will be readily seen that by turning the threaded bolts F the tension of the mattress can be secured as desired.

To the ends of the side rails, C, are attached what I designate the "corner-irons," each formed of a single plate, G, rigidly joined to the side rails by means of the bolts *e³*, which pass through suitable openings in the plates. Each of the plates G is provided with a shoulder, *g*, that bears against the squared end of the side rails, C, and serves to hold the plate more rigidly in connection therewith, and projecting forwardly from the end of each plate is formed a hook, *g'*, adapted to slip over the rod or rest *a* and *b* of the head and foot portions. The rods or rests *a* and *b* need not extend from side to side of the bed, but may project merely a sufficient distance from the posts to afford bearings for the hooked ends of the supporting-plates. To the base of the hook *g'* of each of the corner-irons is formed a shoulder, *g²*, adapted to bear squarely against the edge of the corner posts, A and A', when the bedstead has been set up into position for use.

From the foregoing construction it will be seen that by the use of my improved corner-iron the head and foot portions of the bedstead can be readily separated from the bed-frame for the purposes of storage and shipment, and when in position for use the shoulders upon the plates G bear firmly against the edges of the corner-posts and the ends of the side rails, and in conjunction with the hooks hold the parts so securely together as to constitute a perfectly rigid bedstead.

I am well aware that it has been heretofore proposed to provide the bed-bottom frame of a bedstead with supporting-plates or corner-irons, each having a shoulder adapted to bear

against the corner post, and being connected with said posts by means of metallic loops or bolts separate from the plates or irons; and I am also aware that it has been heretofore proposed to provide the side rails of a bed-frame with hooks adapted to engage with suitable rests upon the head and foot portions of the bedstead. In such construction, however, the loops or bolts by which the corner plates were sustained were not formed integral with such plates, but were separate therefrom and were bolted thereto.

I am further aware that prior to my invention the corner-iron for bedsteads had been made consisting of two parallel plates connected by an end plate provided with a projecting tenon adapted to engage with a mortise-plate of peculiar construction upon the head and foot portions of the bedstead. Such construction of corner-iron, however, could be used only with side rails of uniform thickness, and, moreover, necessitated not only the employment of a special kind of mortise-plate having a pivot latch or catch, but also required nearly twice the amount of metal used in a plate made in accordance with my invention.

Bedstead-fasteners having the shank or body thereof mortised into the side bar and secured thereto by an overlapping outer plate have been furnished with a hook-extension to

engage a pin set crosswise within a mortise-seat of the bed-post. By my invention the fastener consists of a single plate secured to the side bar. No mortise in the upright post is necessary or, indeed, practicable, the expense of such feature and the trouble from insects lodging therein being entirely obviated. At the same time the shoulder at the base of the hook-extension and the face of the hook bear against the contiguous sides of the post and hold it firmly and rigidly with like benefit, as in the older constructions employing a mortise-joint.

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

In a bedstead, the combination, with the bed-bottom frame, the upright post, and the rest projecting therefrom, of the corner-iron consisting of a single plate secured to said bed-bottom frame and having an extension-hook to engage said rest, and a lateral shoulder at the base of said hook, whereby the external faces of the post contiguous to said hook and shoulder are rigidly sustained, substantially as described.

JOHN M. KLEIN.

Witnesses:

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