

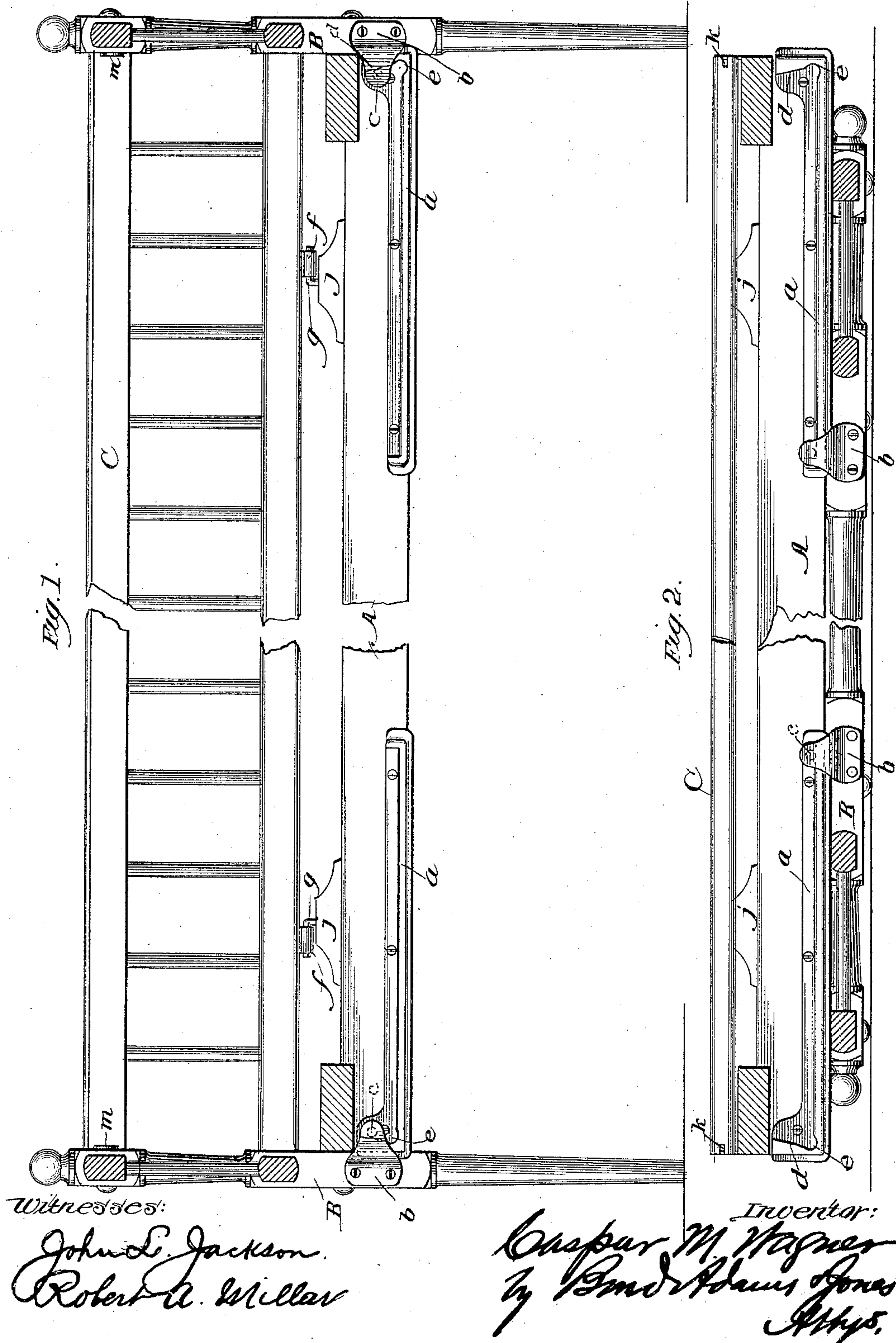
(No Model.)

4 Sheets—Sheet 1.

C. M. WAGNER.
FOLDING COT.

No. 440,732.

Patented Nov. 18, 1890.



(No Model.)

4 Sheets—Sheet 2.

C. M. WAGNER.
FOLDING COT.

No. 440,732.

Patented Nov. 18, 1890.

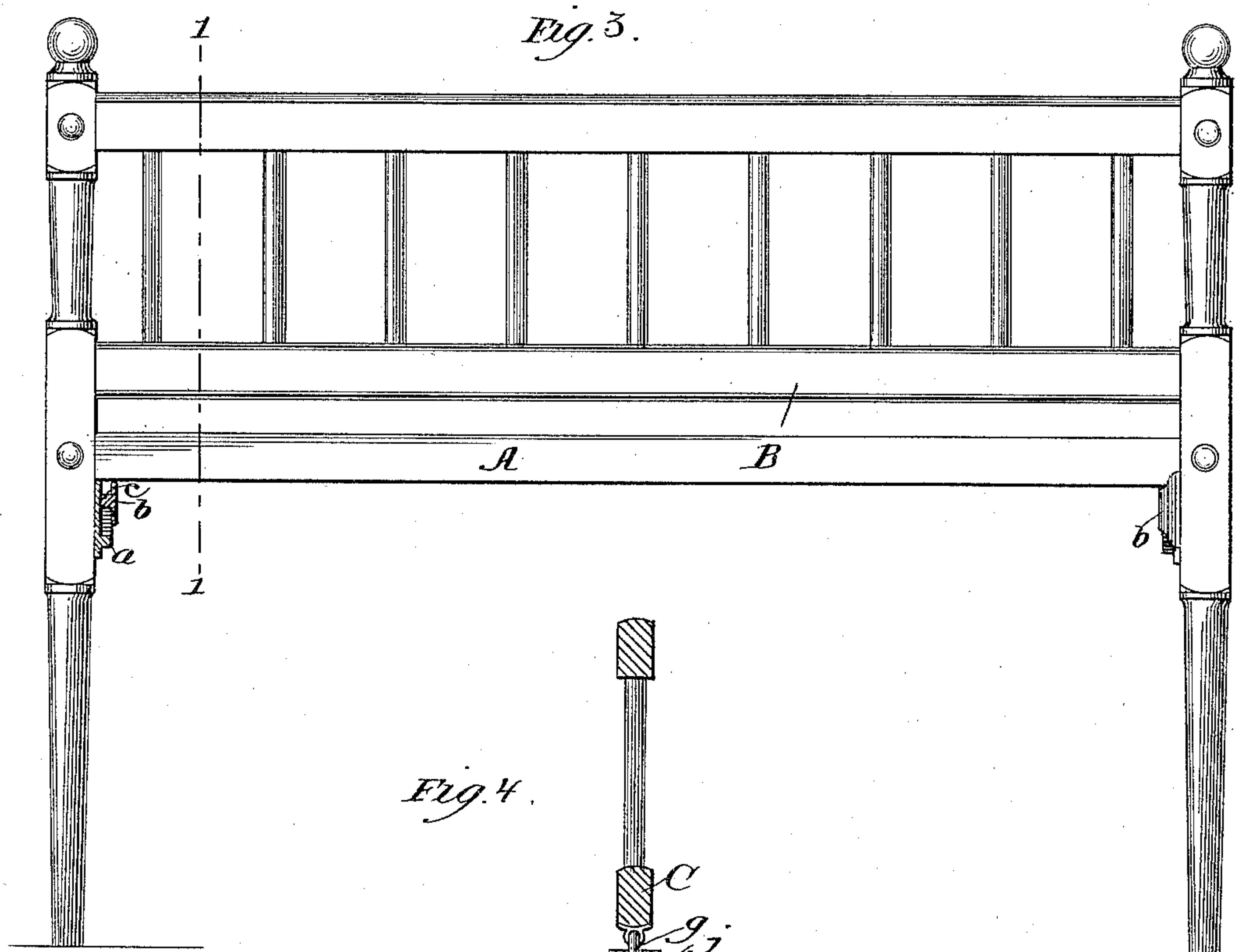


Fig. 4.

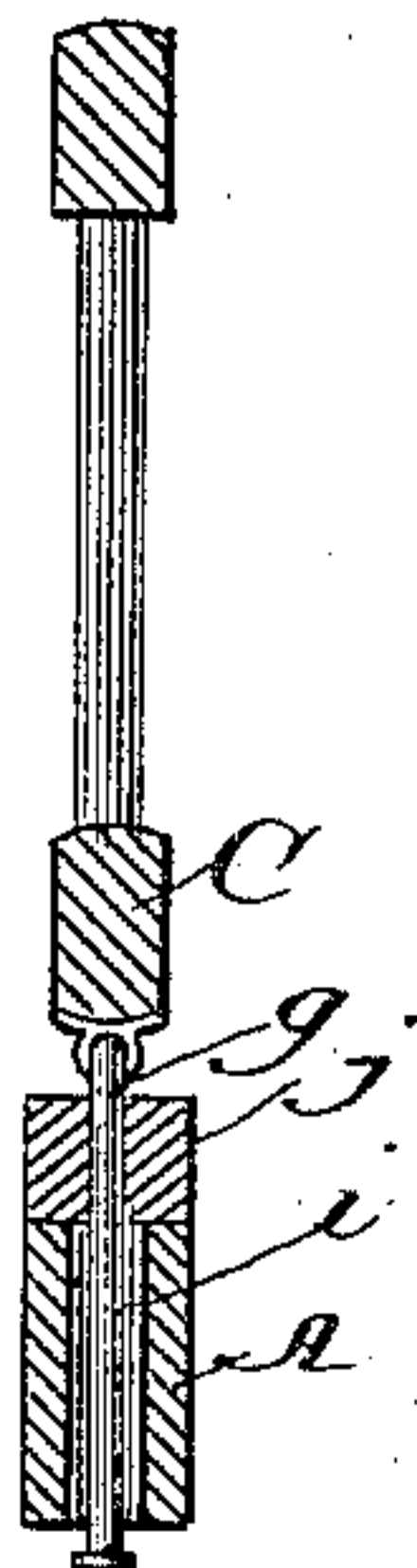


Fig. 5.

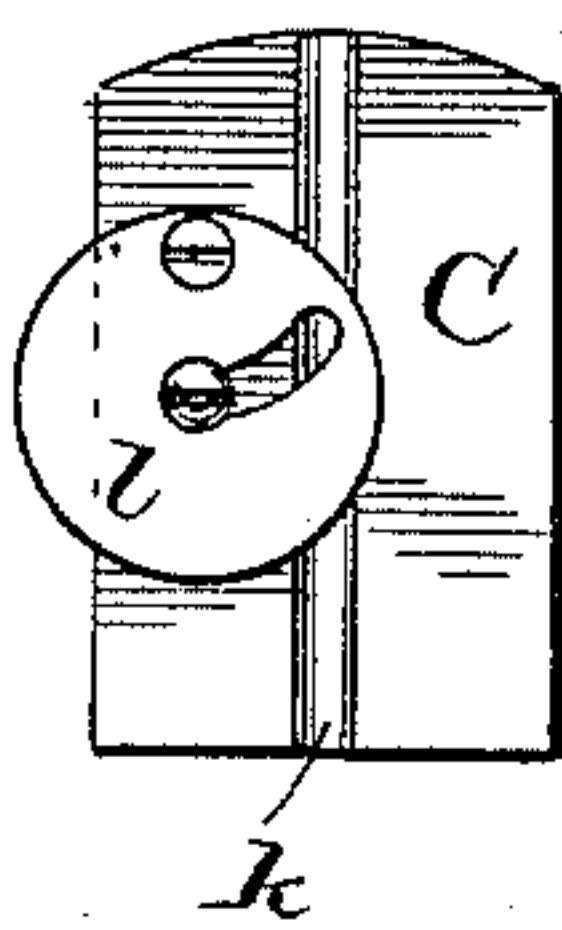


Fig. 6.

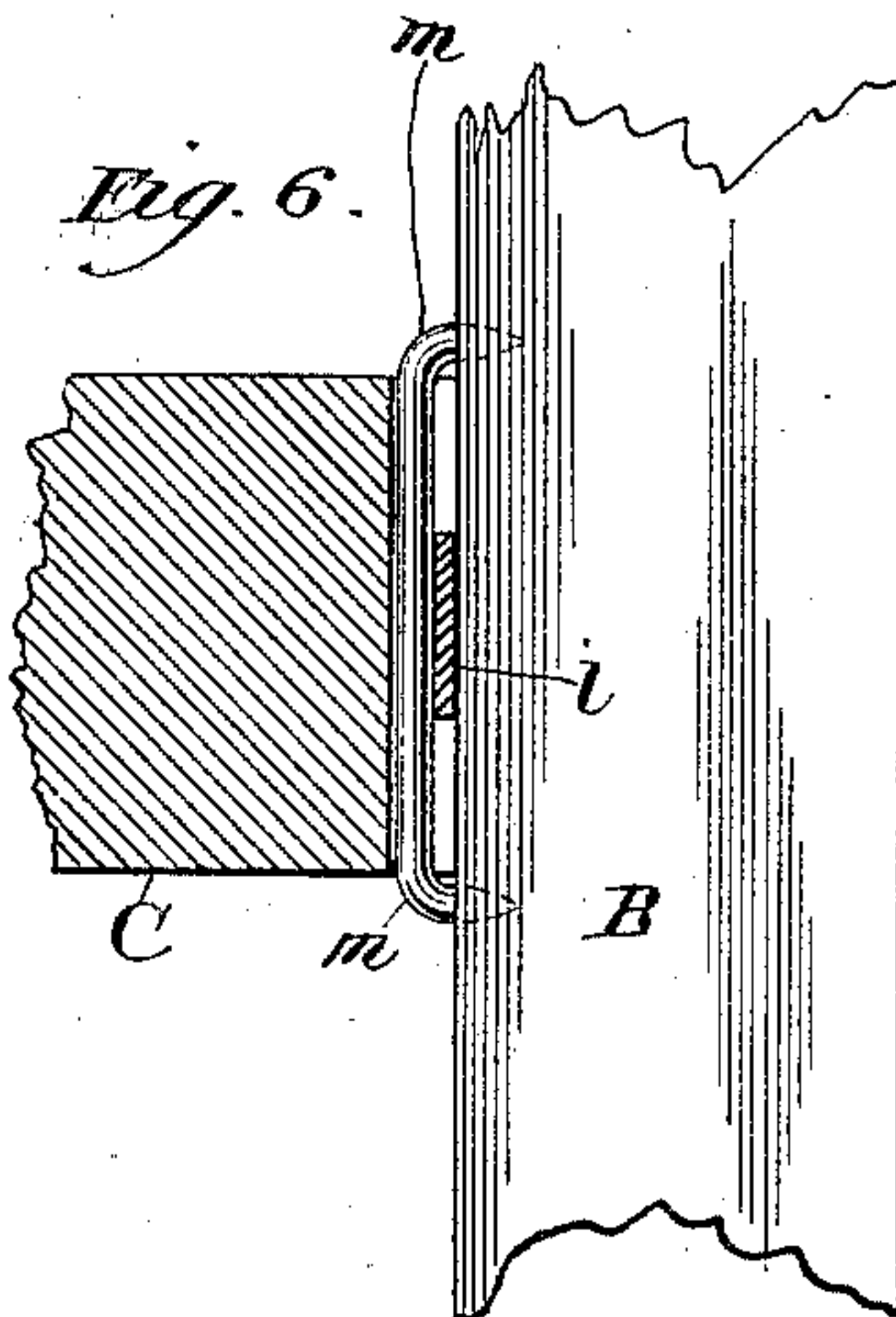
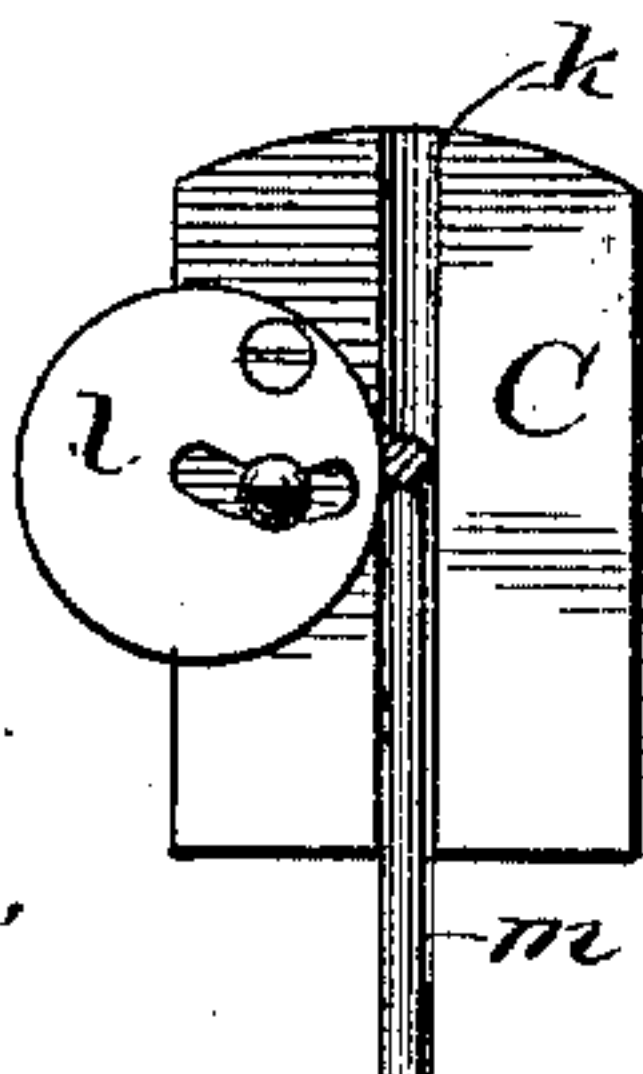


Fig. 7.



Witnesses:

John L. Jackson
Robert A. Millar.

Inventor:

Caspar M. Wagner
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(No Model.)

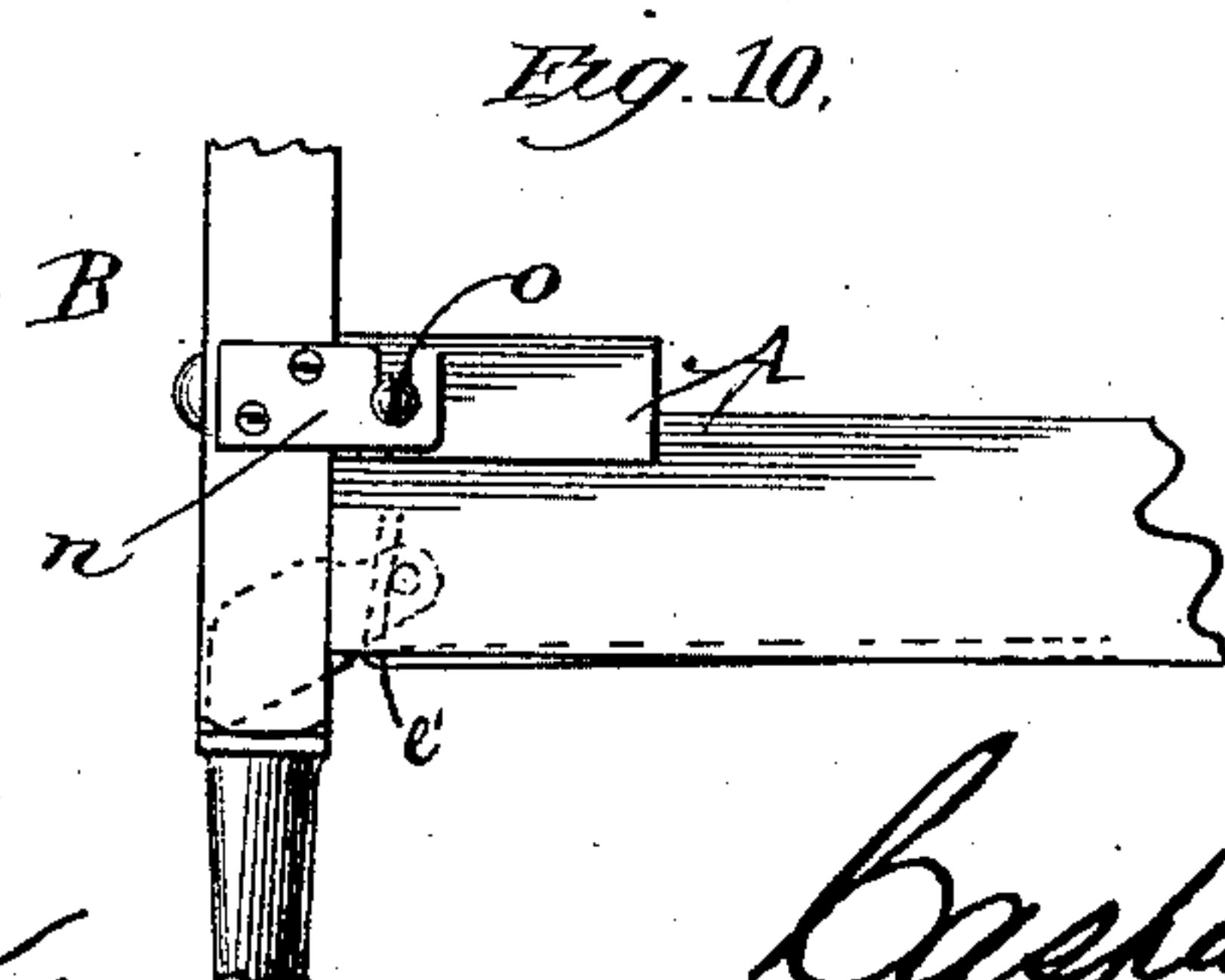
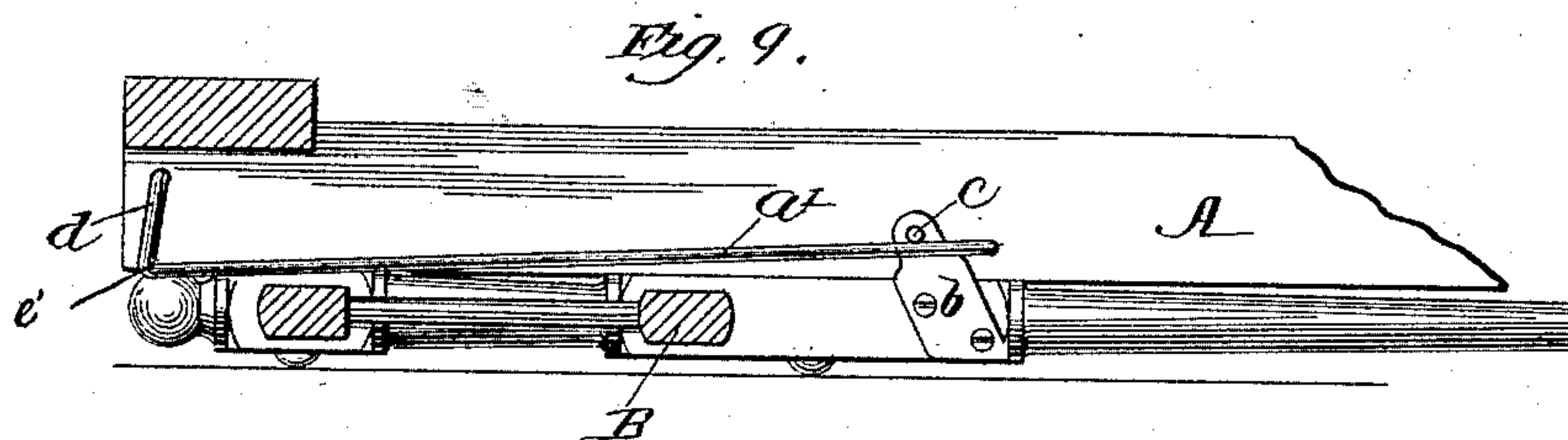
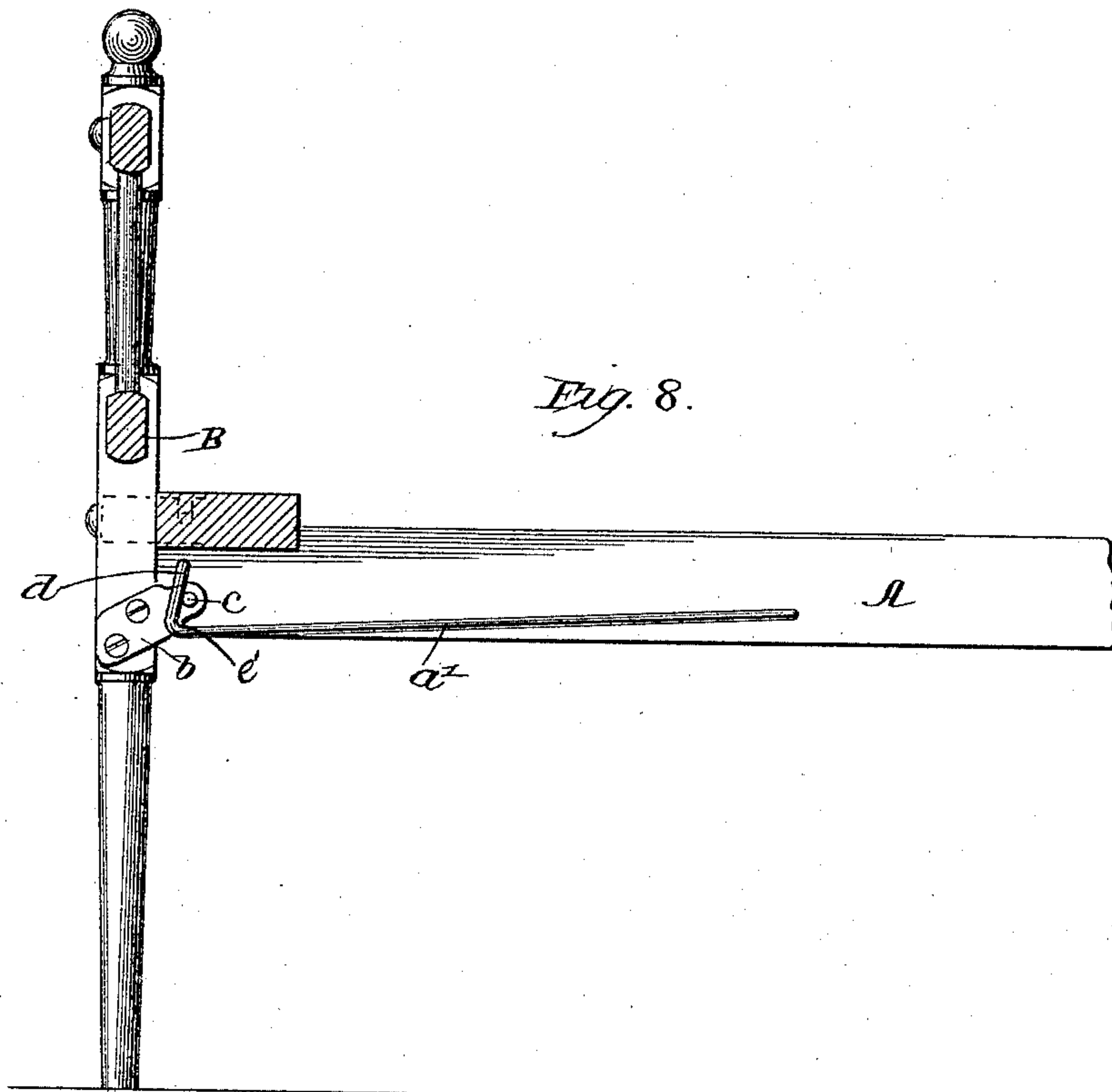
4 Sheets—Sheet 3.

C. M. WAGNER.

FOLDING COT.

No. 440,732.

Patented Nov. 18, 1890.



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(No Model.)

4 Sheets—Sheet 4.

C. M. WAGNER.
FOLDING COT.

No. 440,732.

Patented Nov. 18, 1890.

Fig. 11.

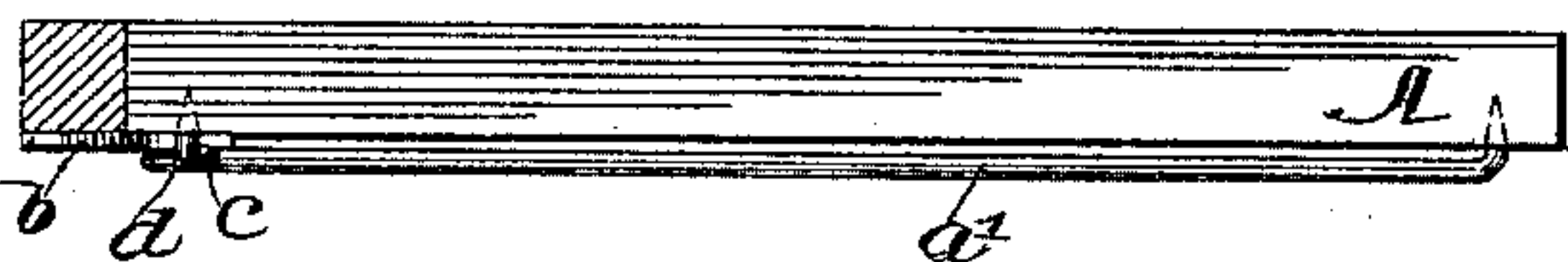


Fig. 12.

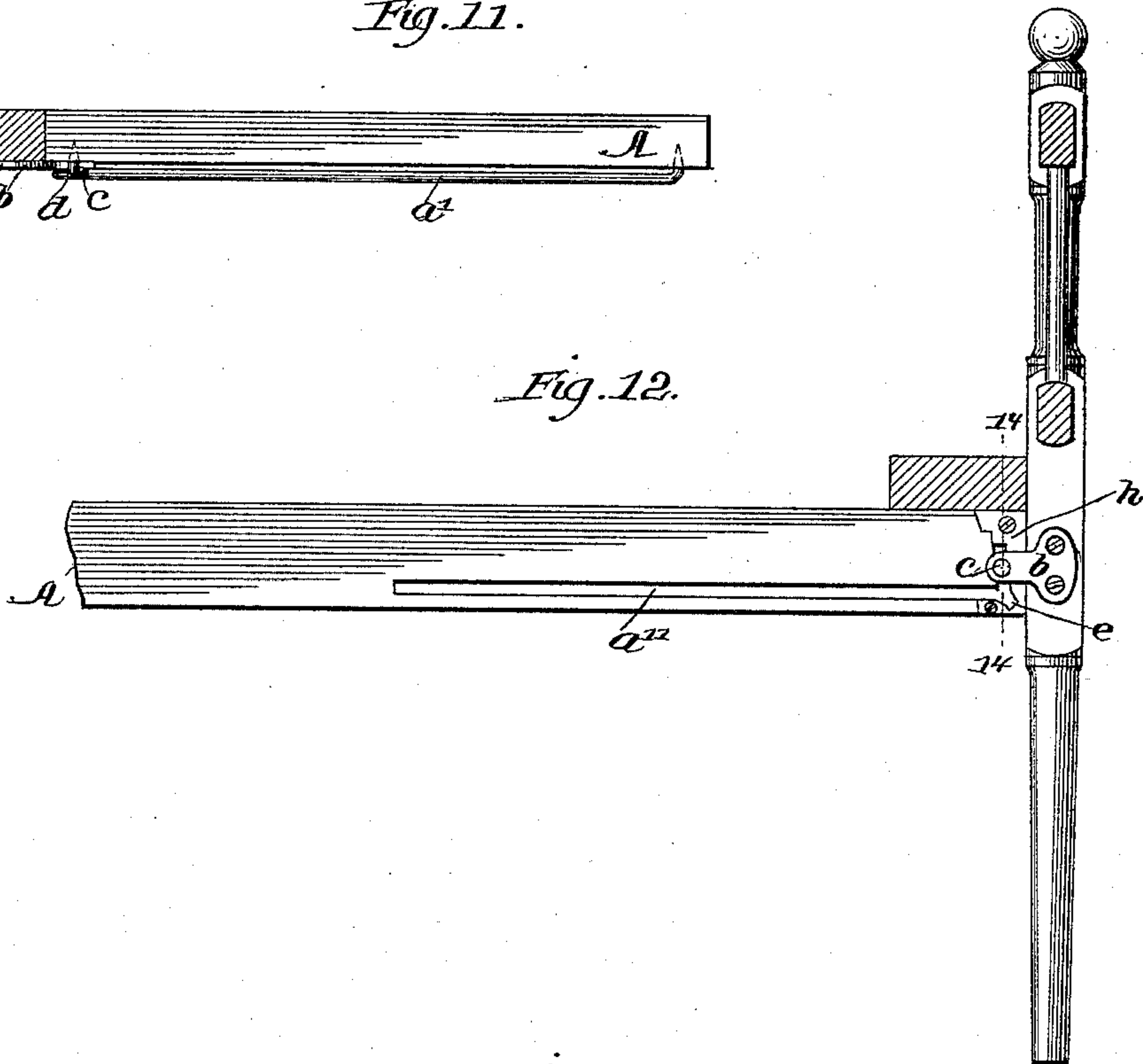


Fig. 13.

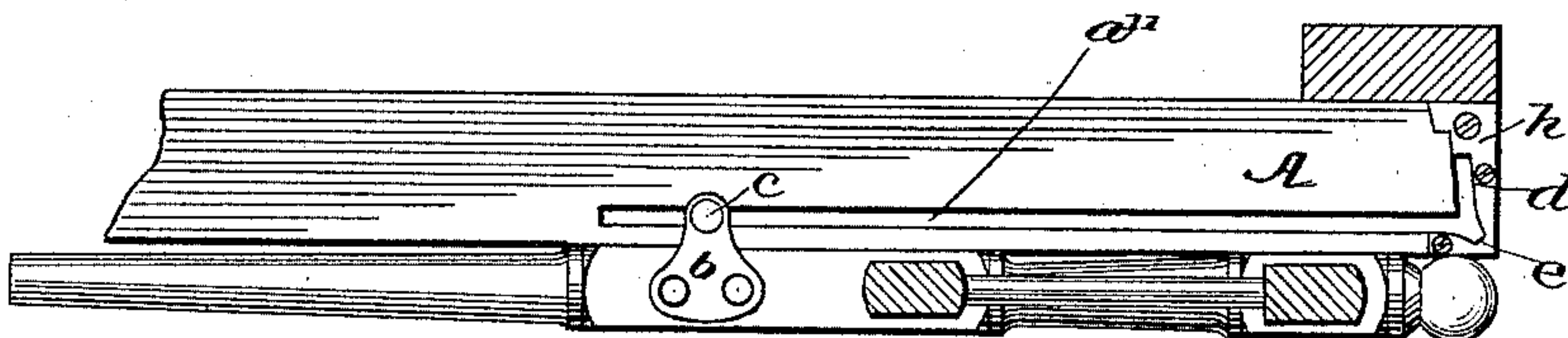
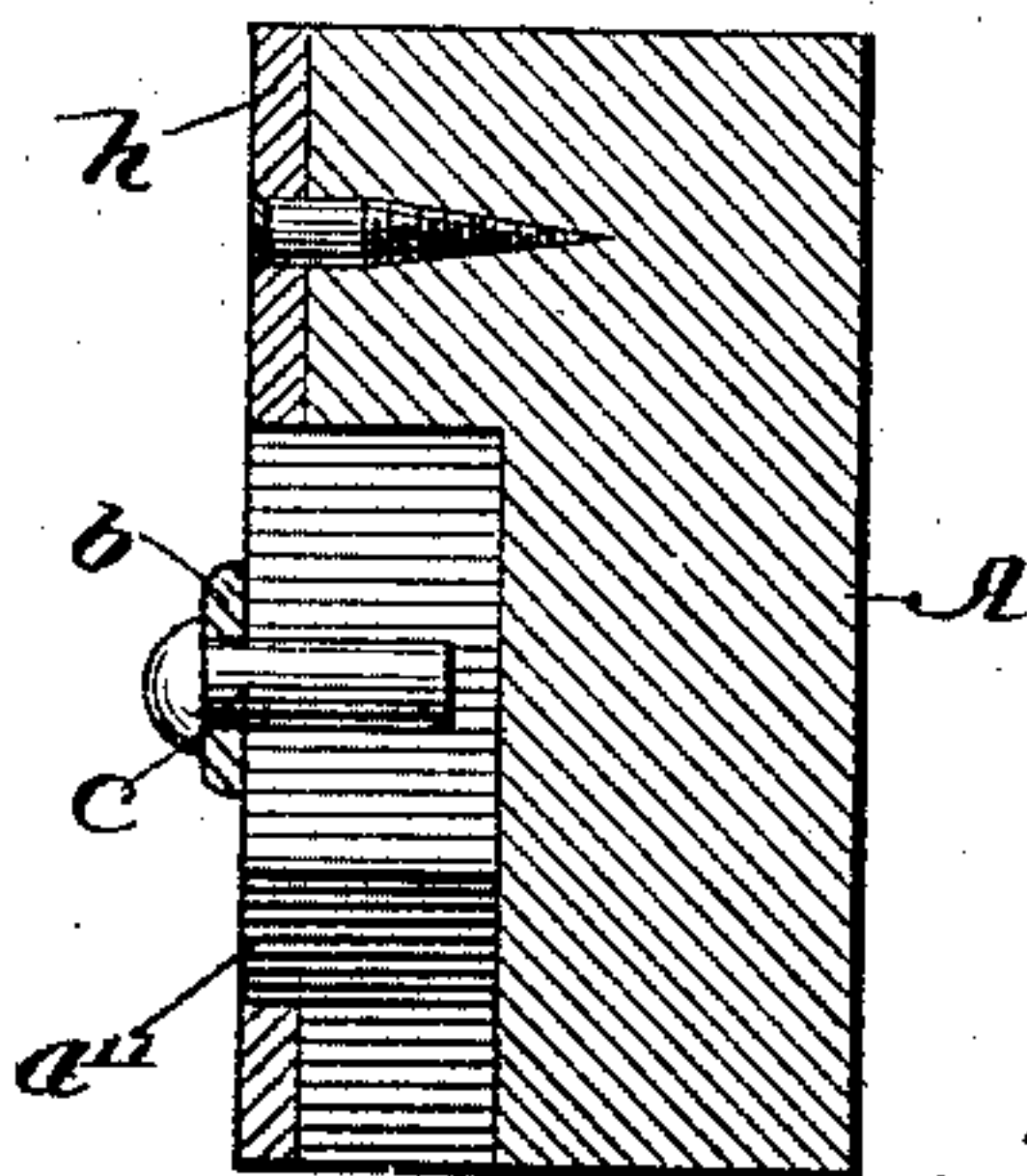


Fig. 14.



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UNITED STATES PATENT OFFICE.

CASPAR M. WAGNER, OF CHICAGO, ILLINOIS.

FOLDING COT.

SPECIFICATION forming part of Letters Patent No. 440,732, dated November 18, 1890.

Application filed July 1, 1890. Serial No. 357,436. (No model.)

To all whom it may concern:

Be it known that I, CASPAR M. WAGNER, residing at Chicago, in the county of Cook and State of Illinois, and a citizen of the United States, have made certain new and useful Improvements in Folding Cots, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a longitudinal vertical section on line 1 1 of Fig. 3, showing the cot set up. Fig. 2 is a similar view showing the cot folded up. Fig. 3 is an end elevation. Fig. 4 is a detail, being a section through the end of the side piece. Figs. 5, 6, and 7 are details showing the device for securing the side piece to the ends. Fig. 8 is a view similar to Fig. 1, showing a modification. Fig. 9 is a view similar to Fig. 2, showing the same modification, the cot being folded. Fig. 10 is a detail showing a lock. Fig. 11 is a detail, being a plan view of the guide shown in Figs. 8 and 9. Fig. 12 is a view similar to Fig. 1, showing another modification. Fig. 13 is a view similar to Fig. 2, showing the modification shown in Fig. 12, the cot being folded. Fig. 14 is a detail, being a section on line 14 14 of Fig. 12.

The objects of my invention are to provide a cot with folding end pieces, said cot having guideways consisting of a horizontal portion and a portion at an angle, and said end pieces having guides adapted to slide on the guideways; to provide an improved device for firmly binding the ends of the cot to the cot-frame when the cot is set up; to provide improved devices for hinging the side pieces or boards to the frame of the cot, and to provide an improved device for fastening the side pieces or boards to the end pieces. I accomplish these objects as illustrated in the drawings, and as hereinafter described.

That which I claim as new will be pointed out in the claims.

The frame A of the cot consists of the end rails and side rails, as usual. A woven-wire fabric or other material is to be secured upon this frame A in any suitable manner. The end pieces B consist of posts and end boards constructed in any suitable manner, and as best shown in Fig. 3.

The frame A is provided with four guideways *aa*—one at each end of each side rail—

and the end pieces B are provided with guide-pieces *b*, one at each side. Each guide-piece *b* is provided with a pin *c*, adapted to engage with the guideway *a*.

As shown in Figs. 1, 2, and 3, the guideway consists of a grooved piece, which is secured to the side rail of the frame A. As shown in Figs. 8, 9, and 11, the guideway consists of a rod *a'*, which is bent in proper form and its ends secured in the frame A. As shown in Figs. 12, 13, and 14, the guideway *a''* consists of a groove in the side rail of the frame A, and a bearing-plate *h* is secured to the end of the frame. Each form of guide is provided with an upwardly and inwardly extending portion *d*, and with an indentation *e* at the angle.

As shown in Figs. 8, 9, 10, and 11, the union of the guide *a'* with the portion *d* forms an acute angle, which performs the same office as the indentation *e*. (Best shown in Figs. 1 and 13.)

The end pieces B may be folded down and slid under the frame A, as shown in Figs. 2, 9, and 13. The cot is set up by drawing the end pieces B outwardly until the pins *c* enter the notches *e* and then turning the end pieces B at right angles, causing the ends of the side rails of the frame A to engage with the inner faces of the posts of the end pieces B. The weight of the frame A and any weight that may be placed thereon will press the frame downwardly, and the incline *d* will engage with the pin *c* and firmly bind the end pieces B to the frames A. The indentations *e* permit the end pieces B to be turned around the corners of the frame A.

The side boards C may be constructed in any suitable manner. Each side board C is provided with an ear *f*, which is adapted to receive a hinge-pivot *g*. Each hinge *g* consists of a bolt bent at right angles, as shown in Figs. 1 and 4, and one arm of each bolt or pivot *g* extends through a hole *i* in the side rail of the frame A, and its lower end is provided with a head. Each bolt *g* is prevented from withdrawal by means of a block *j*, secured upon the side rail of the frame A, as shown in Figs. 1 and 4. When the cot is folded up, the side pieces C are folded over onto the frame A. The bolt *g* can slide ver-

5 tically in the hole *i*, so that the side pieces can be raised high enough to fold over onto the clothing on the cot. The height, to which it will be necessary to raise the side pieces C will depend upon the thickness of the clothing.

Each end of each side piece C is provided with a groove *k*. A disk *l* is pivoted near its upper edge in such position that a portion of the disk below the pivotal point will project beyond the groove *k*, as shown in Fig. 5.

Each end piece B is provided with a staple *m*, as best shown in Fig. 6, which is in position to enter the groove *k* in the side piece C. The staple *m* is inserted, as shown in Fig. 7, by raising the side piece C and causing the groove *k* to pass downwardly over the staple *m*. In passing downward the disk *l* will be swung to one side, and when the lower end of the staple is past the disk it will swing inwardly to its former position, as shown in Fig. 5, thereby locking the side piece C to the end piece B.

As shown in Fig. 10, an additional lock is provided by means of a hook *n*, which is attached to the end piece B and adapted to engage with a screw or pin *o*, secured in the frame A.

When the end pieces B are folded, the hook *n* readily disengages itself from the pin or screw *o*.

The cot hereinbefore described is capable of being folded in very compact form and is very firm when set up.

35 I do not confine my invention to the forms of the guides shown, as it is evident that these may be greatly varied. The essential features are that each guideway have a horizontal portion and a portion at an angle thereto, and that each guide shall have an upwardly

and inwardly extending portion *d*, which shall wedge the end pieces B against the frame A.

What I claim as my invention, and desire to secure by Letters Patent, is as follows:

1. The combination, with a cot-frame and end pieces, of guideways, each consisting of a substantially horizontal portion and a portion at an angle thereto, and guide-blocks adapted to slide on said guideways and attached to the end pieces, substantially as specified. 50

2. The combination, with a cot-frame A and end pieces B, of guideways secured to the cot-frame and provided with upwardly and inwardly inclined portions *d*, and guide-blocks secured to the end pieces and provided with pins *c*, adapted to engage with the guideways and upwardly-inclined portions, whereby the end pieces are firmly held to the frame A, substantially as and for the purpose specified. 55

3. The combination, with a frame A, having holes *i*, of side pieces C, ears *f*, attached to said side pieces, and bolts *g*, pivotally connected with said ears and adapted to slide in the holes *i*, whereby the side pieces may be folded over onto the frame A and any clothing thereon, substantially as specified. 60

4. The combination, with a cot-frame A and end pieces B, provided with staples *m*, of vertically-movable side pieces C, provided with grooves *k* and disks *l*, substantially as specified. 70

5. The combination, with a frame A and folding end pieces B, having staples *m*, of folding side pieces C, having grooves *k* and disks *l*, and sliding hinged bolts *g*, substantially as and for the purpose specified. 75

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Witnesses:

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