(No Model.) 3 Sheets—Sheet 1.

C. M. WAGNER.

FOLDING COT.

No. 440,733. Patented Nov. 18, 1890.

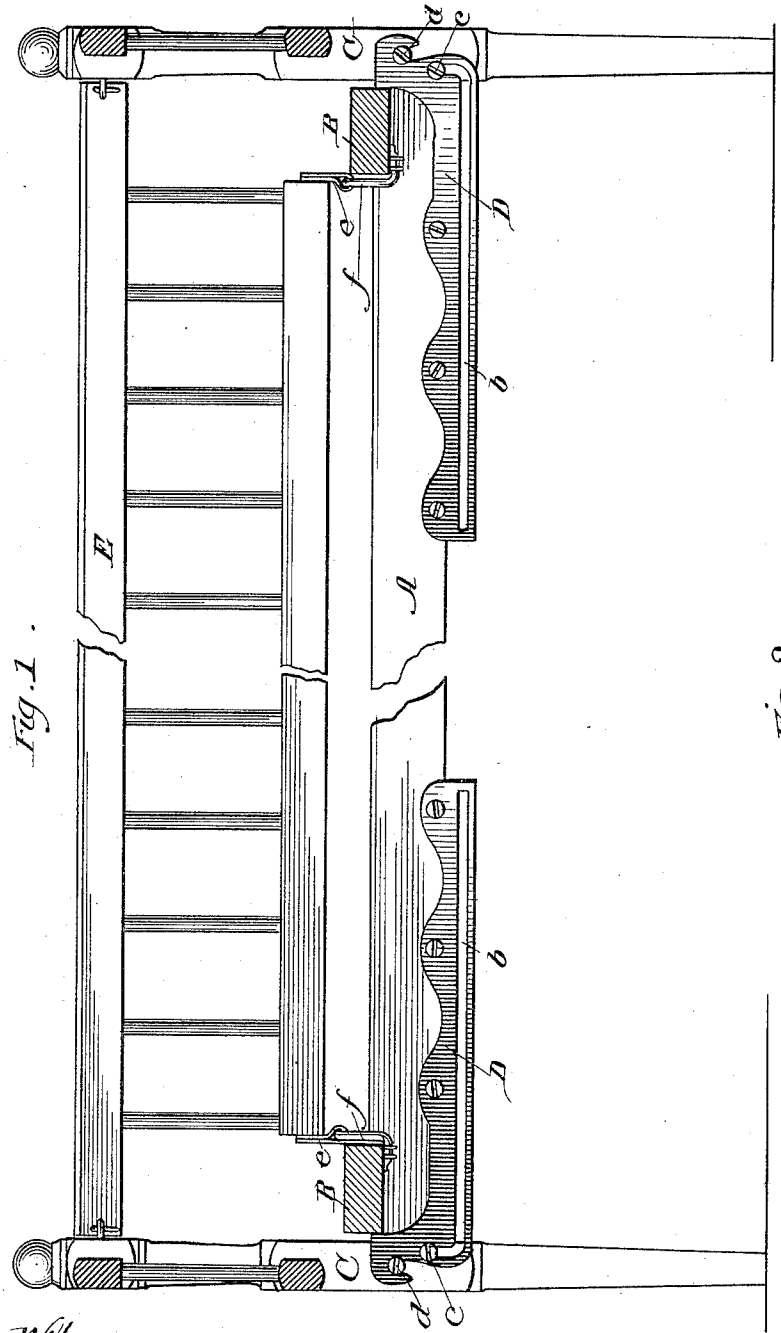


Fig. 1.

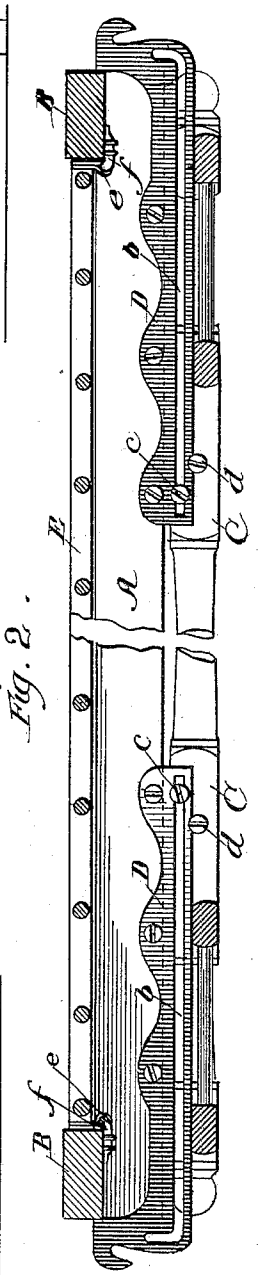


Fig. 2.

Witnesses:
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Inventor:
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(No Model.) 3 Sheets—Sheet 2.

C. M. WAGNER.

FOLDING COT.

No. 440,733. Patented Nov. 18, 1890.

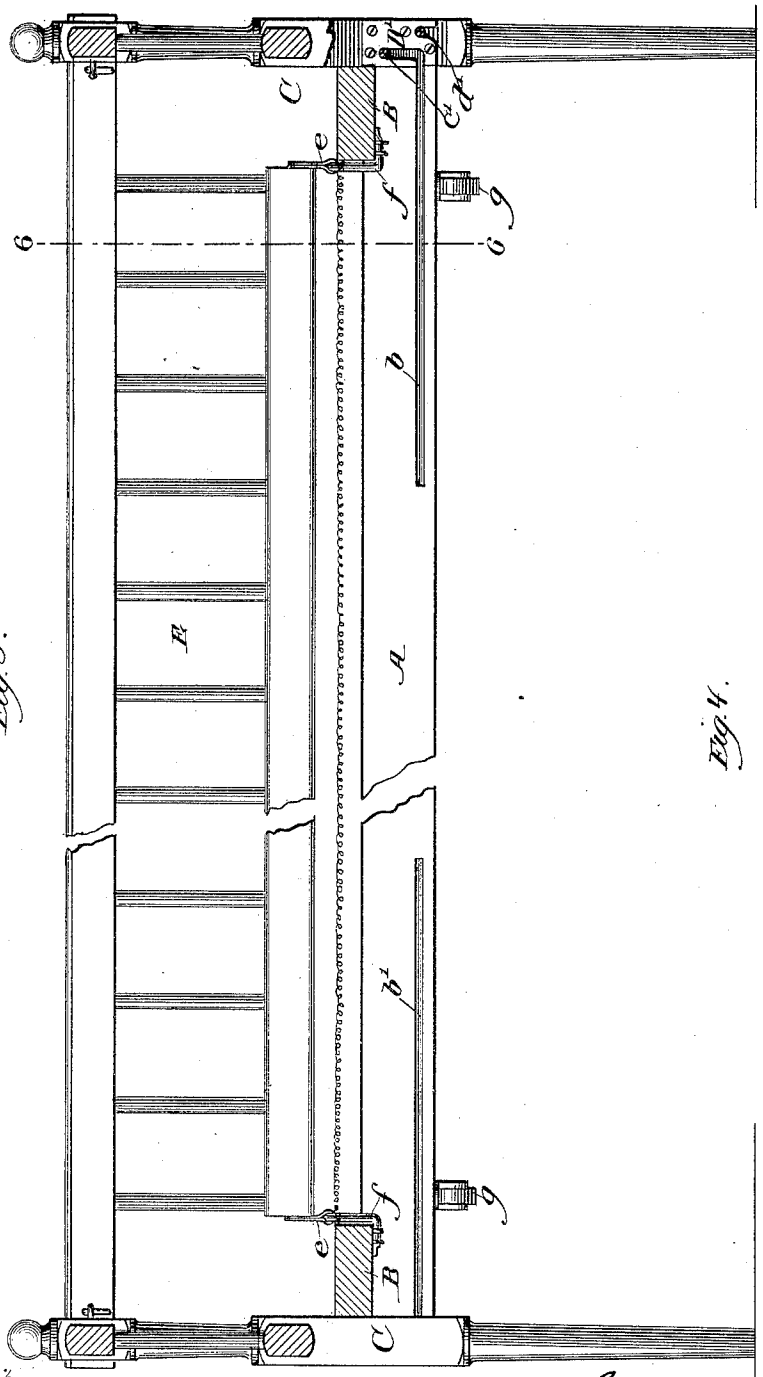


Fig. 3.

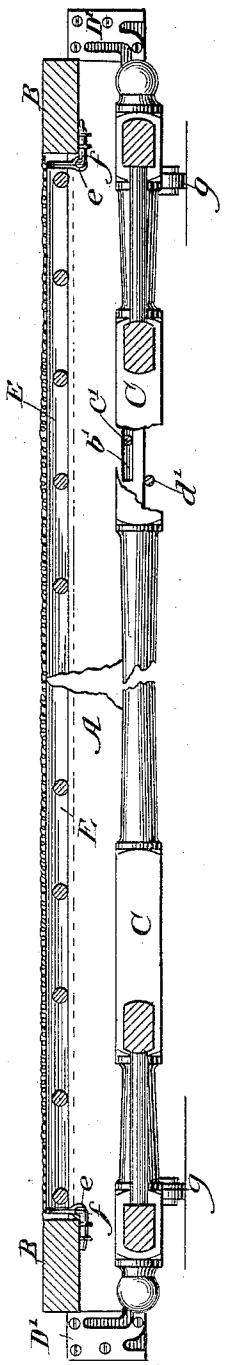


Fig. 4.

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(No Model.) 3 Sheets—Sheet 3.

C. M. WAGNER.

FOLDING COT.

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Fig. 6.

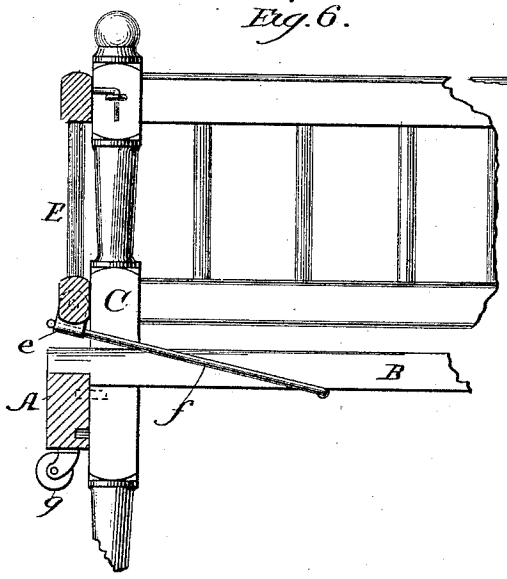


Fig. 5.

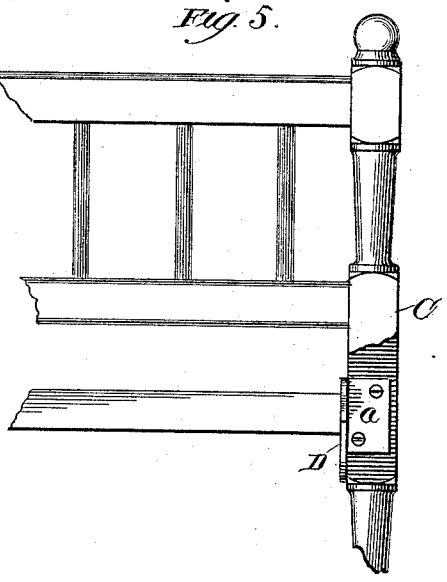
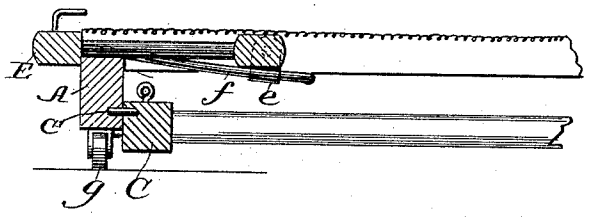


Fig. 7.



Witnesses:
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Robert A. Miller.

Inventor:
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THE NORRIS PETERS CO., PHOTO-LITHO,, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

CASPAR M. WAGNER, OF CHICAGO, ILLINOIS.

FOLDING COT.

SPECIFICATION forming part of Letters Patent No. 440,733, dated November 18, 1890.

Application filed July 1, 1890. Serial No. 357,437. (No model.)

To all whom it may concern:

Be it known that I, CASPAR M. WAGNER, residing in the city of Chicago, in the county of Cook and State of Illinois, and a citizen of the United States, have invented 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 through the cot in its upright position. Fig. 2 is a similar view of the cot folded. Fig. 3 is a modification, being a longitudinal vertical section through the cot in its upright position. Fig. 4 is a similar view of the cot shown in Fig. 3 folded. Fig. 5 is a detail, being an end view, and the leg being broken away to show the end of the guide and locking-plate. Fig. 6 is a detail of a portion of a cot, being a section at line 6 6 of Fig. 3; and Fig. 7 is a view similar to Fig. 6, showing the cot folded.

This invention relates to folding cots having two of its legs formed with each end board or piece, and has for its objects to so construct the cot that each end board and its legs can be turned under the cot-frame and firmly held in that position, or can be easily turned and locked in an upright position, and to provide sides for the cot which can be easily turned, when desired, under the woven-wire fabric or other material that is secured to the frame of the cot.

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

In the drawings, A represents the side rails of the cot-frame, and B the end rails. Woven-wire fabric or other material is to be secured to this frame A B in any usual manner.

C are posts, the upper portions of which form the side pieces of the ordinary head and foot boards or frames of a bed or cot, and the lower portions the legs of the cot.

D are four metal strips secured in any suitable manner to the inner surfaces of the side rails A, and, as shown in Fig. 5, each strip is further secured in place by screws passing through the ear *a*, (shown in Fig. 5,) which ear fits over the end of the side rail A. As shown, each strip D projects below the side rail A to which it is attached, and also projects a short distance beyond the end of such side rail, and in the projecting portion is formed a slot *b*, which is curved upward at its outer end. As shown, the outer end of each strip D is formed hook-shaped.

c are screws, each of which passes through one of the slots *b* and into one of the legs C, thus connecting the posts in a movable manner to the frame of the cot. *d* are also pins or screws, one being secured to each post C in such a position as to be engaged by the hook on the end of the metal strip D when the posts are in an upright position, as shown in Fig. 1.

E are the side frames of the cot. To each end of the lower rail of each frame E is pivoted a loop *e*. Through each loop *e* a rod or wire *f* passes, such rods or wires being secured at one end in any suitable manner to the end rails B. The outer or free end of each rod or wire *f* is bent slightly or provided with a head to act as a stop to prevent the pivoted loop *e* from being disengaged therefrom. The loops *e* form guides which are adapted to slide on the guideways formed by the wires *f*. When it is desired to fold up the cot for storage or transportation, the side frames E are to be unhooked from the posts C, and the frame A B is to be raised a little at one end, and the end board or piece at that end, with its two legs attached thereto, is to be pushed down sufficiently to disengage the pins *d* from the hook of the forward end of the strip D. When this has been accomplished, the pin or screw *c* will have reached the bend in the slot *b*, and the end piece and its legs are then to be turned to be in line, or nearly so, with the side rails, and can then be pushed beneath the cot-frame, each pin or screw *c* moving in the slot *b* and the pin or screw *d* bearing against the lower edge of the piece D. The side frames are turned outwardly, so as to lie horizontally, and are to be pushed beneath the woven-wire fabric of the cot, the loops *e* sliding on the rods or wires *f*. The upper rail of each side frame cannot be pushed beneath the wire fabric, but will rest against the ends of the end rails B, as shown in Fig. 7. As shown, the upper rail of each side frame is provided with rigid hooks, which when the cot is in an upright position enter screw-eyes in the posts C near their upper ends, and by reason of the wires or rods *f*

being secured only at one end, the side frames can be pulled up sufficiently to allow the hooks to engage with the eyes when the cot is being put in position for use.

The cot of Figs. 3, 4, 6, and 7 is not provided with the metal strip D; but in lieu thereof a groove *b'* is cut on the inner surface and from each end of the side rails A, which grooves *b'* correspond to the slots *b*, in that both the grooves and slots form guideways for the travel of pins secured to the posts C. At each end of each side piece in the modification shown in Figs. 3, 4, 6, and 7 is secured a metal plate D', in each of which is formed a curved slot that is a continuation of one of the grooves *b'*. Each plate D' has a hook portion corresponding to the hook portion on the strip D, and for the same purpose—namely, to engage with a pin or screw secured to one of the posts C to lock such post in an upright position. The pins *c' d'* of the modification correspond to the pins *c d*, heretofore described.

The operation of folding both forms of cot is the same. In the form first described the posts C, when the cot is folded, lie against the under surface of the side rails, while in the other form they lie against the inner surface of the side rails, which latter construction allows of the use of casters *g* for moving the folded cot from place to place, which casters may be secured to the under surface of the side rails, as shown.

A cot constructed as described and shown can be made very cheaply, and can be placed in position for use or for transportation very readily and easily. When in position for use, the parts are firmly locked together and cannot be readily or accidentally displaced.

I do not claim, broadly, the use of guides attached to the cot-frame, and guide-blocks attached to the end pieces and adapted to slide on the guides, as this feature is shown and described in my application, Serial No. 357,436, filed July 1, 1890.

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

1. A cot-frame consisting of side rails A and end rails B, each side rail being provided at each end with a guideway, the outer end of the guideway being formed with a hook end, in combination with posts, the upper portions of which form the side pieces of the end boards of the cot and the lower portions the legs of the cot, the pins *c*, secured to the posts and passing through the guideways, and the pins *d*, secured to the posts and adapted to be engaged by the hook ends of the guideway-plates when the bed is in an upright position, substantially as and for the purpose specified.

2. The combination, with a cot, the frame of which is provided with substantially horizontal guideways, of side pieces E, provided with guides adapted to slide on said guideways, substantially as and for the purpose specified.

3. The combination, with a cot, the frame of which is provided with substantially horizontal guideways, of sides E, and guides adapted to slide on said guideways and pivoted to the sides, substantially as specified.

CASPAR M. WAGNER.

Witnesses:
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HARRY T. JONES.