(No Model.)

A. L. RUFFE.

FOLDING COT BEDSTEAD.

No. 568,282. Patented Sept. 22, 1896.

Fig. 1.

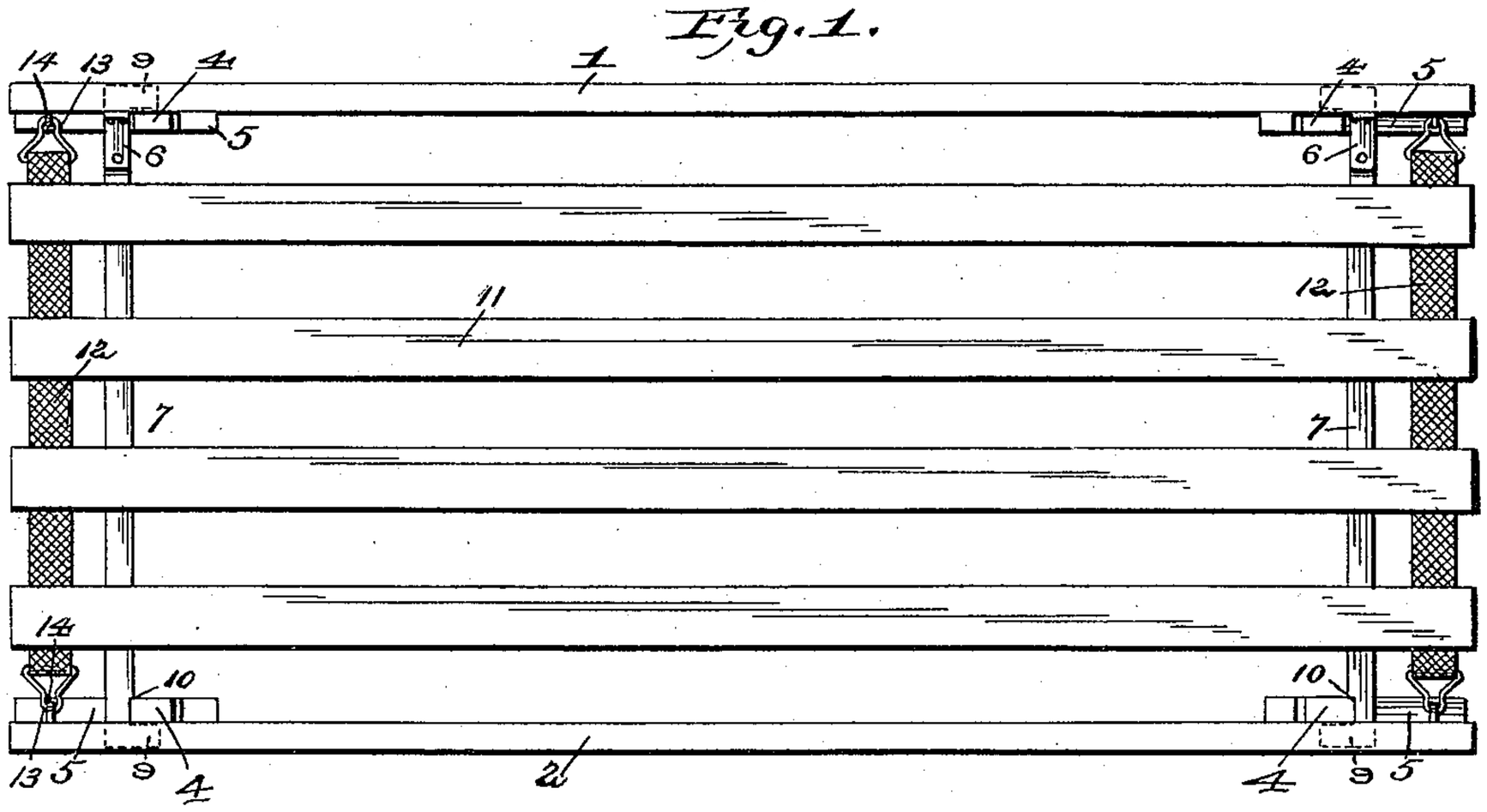


Fig. 2.

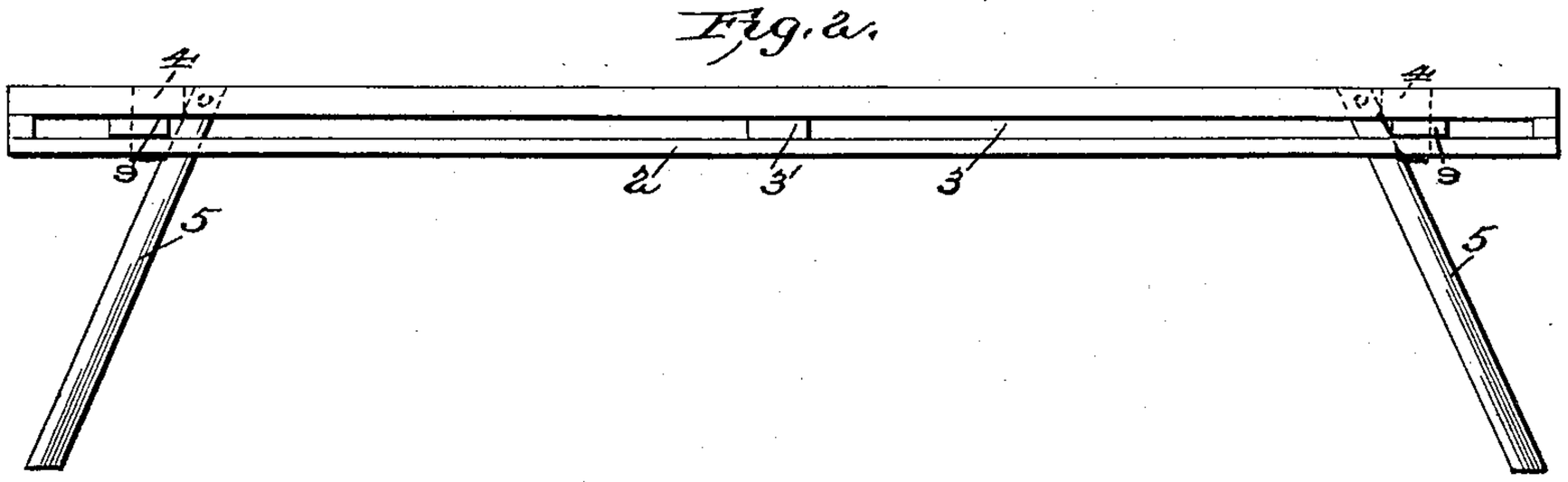
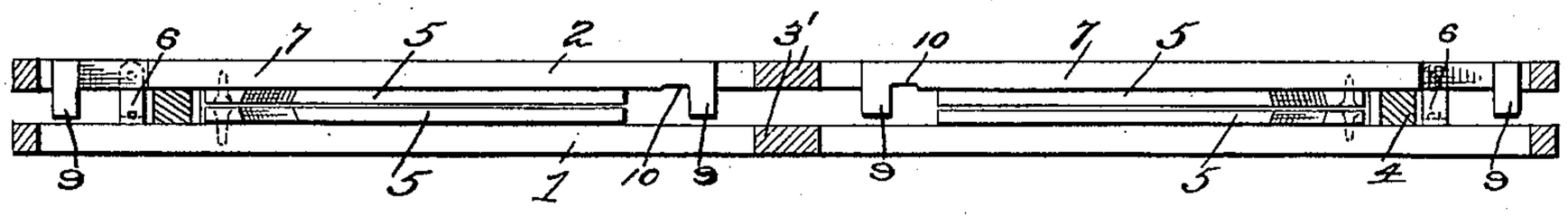


Fig. 3.



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ALPHONSO L. RUFFE, OF GRAND RAPIDS, MICHIGAN.

FOLDING-COT BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 568,282, dated September 22, 1896.

Application filed May 2, 1896. Serial No. 590,014. (No model.)

To all whom it may concern:

Be it known that I, ALPHONSO L. RUFFE, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Folding-Cot Bedsteads, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to portable cots; and the object of my invention is to provide a cot that can be folded into an unusually compact form, but which when opened up and ready for occupancy will be strong and durable.

To this end the invention includes a frame having folding supporting-legs and end braces and movable side plates.

The invention further includes a removable and collapsible bottom or support for the mattress.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of the cot ready for occupancy. Fig. 2 is a side elevation of the same. Fig. 3 is a longitudinal section of the cot in folded position.

The side plates of the cot-frame are shown at 1 2, each having a central slot 3, extending longitudinally thereof for almost the entire length of said plates. A short solid portion 3′ fills the central part of each of the slots, this solid portion being either an independent inserted piece or formed integral with the side plates. Secured to the inner faces of the side plates, near each of their ends, are the blocks 4, having the lower portions of their inner edges beveled to fit within the recesses formed in the outer edges of the supporting-legs 5, which are pivotally secured to the inner faces of the side plates in proximity to but forwardly of the block 4. When these legs are straightened out to support the frame, they extend outwardly from the frame at an inclination thereto, and an increase of weight upon the frame will press the block 4 against the leg more firmly and increase the rigidity of the support.

The side plate 1 has secured to its inner face, near each end thereof, in the rear of the block 4, a pair of angle-plates 6, between the laterally-extending arms of which the end braces 7 of the frame are pivoted.

The lateral arms of the angle-plates are of a length corresponding to the width of the two opposing legs and the width of the side plates, so that when the parts are collapsed, as shown in Fig. 3, the ends of these arms will be flush with the outer faces of the side plate 2.

Each end of each end brace is provided with a short right-angular extension or block 9, which engages, when the cot is open, with the outer face of the block 4, and thereby prevents the further spreading of the side plate. The inner edge of these braces, near their free ends, may be recessed, as shown at 10, for the reception of the outer edge of the block 4, and this will prevent the accidental collapsing of the plates.

The angle-plates are pivoted to the intermediate part of the end braces and the braces are recessed at this portion to accommodate the said plates.

In folding the cot the legs are first swung inwardly, and the side plate 2 is then slid along the end braces 7, after the braces are sprung out of disengagement with the blocks 4, until the opposing faces of the oppositely-arranged legs contact. The end braces are then swung around and pressed into the slots within the plate 2, as shown in Fig. 3, thus locking the side plates against accidental displacement by reason of the intermediate connection between the angle-plate and braces.

The cot-bottom or mattress-support consists of a plurality of flat slats 11, connected together at each end by the flexible bands 12, carrying eyes 13 at each of their ends, adapted to engage the hooks 14, projecting from each end of the inner face of the side plates 1 and 2. Instead of this bottom, canvas may be employed and connected to the side plates.

I claim as my invention—

1. A collapsible cot comprising the slotted plates, the blocks, the end braces having hooked ends adapted to embrace the outer faces of said blocks, said ends being confined in the slot in said plates, substantially as described.

2. A collapsible cot comprising the side plates, the recessed legs pivoted thereto, the recessed end braces, and the block secured to said plates, said blocks fitting the recesses in the legs and end braces, substantially as described.

3. A collapsible cot comprising the slotted side plates, the legs pivoted thereto, the angle-plate secured to said side plate, the end braces pivoted to said angle-plate and the block for engaging said braces.

4. A collapsible cot comprising the slotted side plates, the pivoted legs, and the pivoted end braces adapted to fit within the slot in one of said side plates in the folded position of said cot, substantially as described.

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

ALPHONSO L. RUFFE.

Witnesses:
A. M. WEBSTER,
L. D. MAROM.