(No Model.)

A. H. FROST.

COT BED.

No. 261,331. Patented July 18, 1882.

Fig. 1.

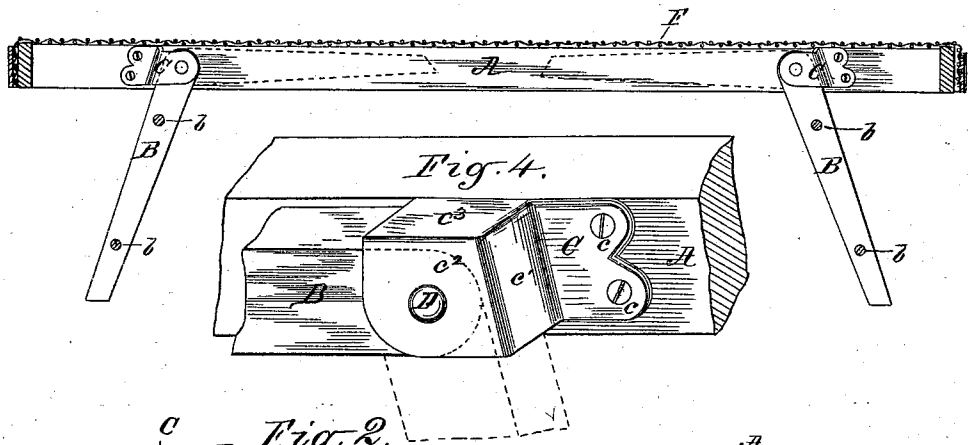


Fig. 4.

Fig. 2.

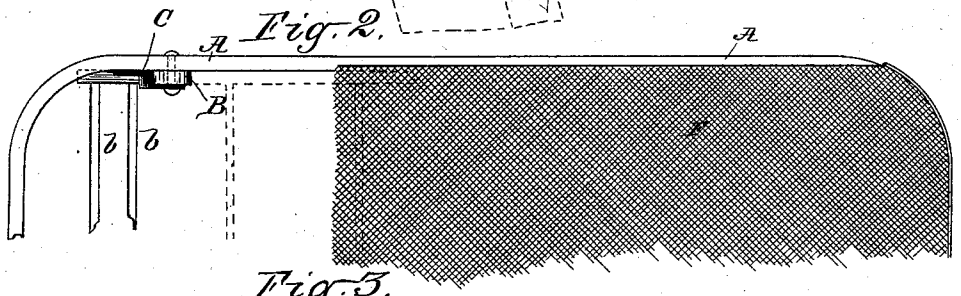
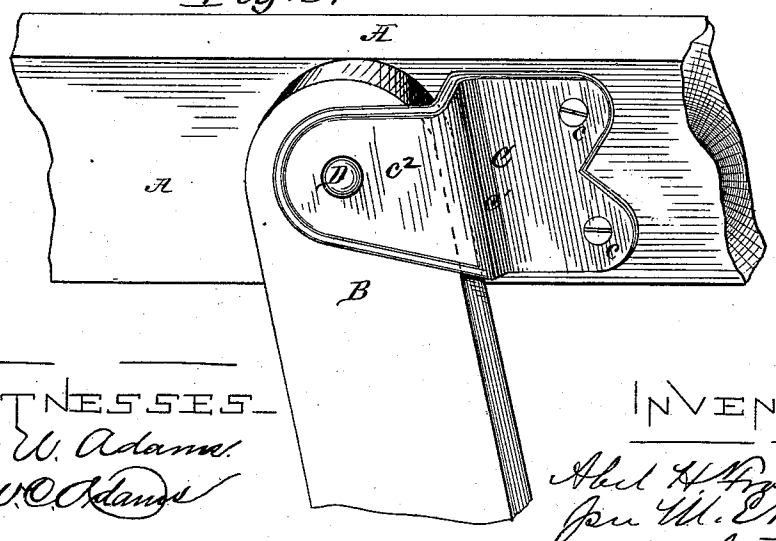


Fig. 3.



WITNESSES—

F. W. Adams.

W. C. Adams

INVENTOR—

Abel H. Frost

per Wm. E. Dunston

Attorney

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

ABEL H. FROST, OF CHICAGO, ILLINOIS.

COT-BED.

SPECIFICATION forming part of Letters Patent No. 261,331, dated July 18, 1882.

Application filed January 16, 1882. (No model.)

To all whom it may concern:

Be it known that I, ABEL H. FROST, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Cots having Folding Legs; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to stops for the folding legs of cots, and has for its object to dispense with the braces heretofore in use for securing the legs in position when extended.

To this end it consists, first, in stops attached to the side rails of the cot in such position relative to the pivot which joins the legs thereto that the legs at the opposite end of the cot may be unfolded to stand outwardly inclined against said stops, and thus brace each other under the weight of the cot and its burden; secondly, in a pivot-plate constructed to support the leg-pivot at a point inside the leg, and to also furnish the stop above described; and, thirdly, in a pivot-plate constructed to provide the stop above referred to, and also a second stop limiting the upward movement of the leg when folded in line with the side rail.

In the drawings, Figure 1 is a central longitudinal vertical section of a cot having folded legs and provided with a pivot-plate arranged to stop the legs in the position shown. Fig. 2 is a top view of the same. Fig. 3 is a perspective view of a fragment of the side rail and leg, showing the pivot-plate enlarged. Fig. 4 is a perspective view, showing the pivot-plate constructed to limit the movement of the leg in both directions.

A is the side rail, and B is one of the legs.

F is the fabric attached to the frame.

In the cot illustrated the frame B does not fold, but the legs, joined in pairs by rods *b b*, one pair at each end, fold inwardly and upwardly, so as to lie inside the side rails, as shown by dotted lines in Fig. 1.

Heretofore hooks or braces have been pivoted to the side rails and adapted to engage with the legs when extended for the purpose of holding said legs erect. I am able to dispense with such braces by providing stops on the side rails, A, near each leg, and in such position with reference to the legs at both ends of the cot that said legs will strike the stops only when inclined outwardly at the bottom, as shown in Fig. 1. Being thus oppositely inclined and held, the two sets or pairs of legs at opposite ends of the cot mutually brace or sustain each other.

As affording a desirable form of the stop, and as also giving additional support to the pivot, which is in this position subjected to greater strain, the pivot-plate C has been devised. Said plate, of bracket form, as seen in Fig. 2, is screwed at *c c* to the side rail to prevent its rotation thereon with the leg, sets off at c' the thickness of the leg, and at c^2 extends over the leg and receives the pivot D. The lower edge of the offset c' forms the stop for the extended leg. Said offset is preferably inclined at the angle required in the leg when extended, so as to present a broad bearing-surface thereto. The pivot is thus connected with the stop, and opposing strains thereupon are met in the same part or plate C. By this means ample strength is secured and the inconveniences of hooking braces to the legs when the latter are extended and of disposing of the braces when the legs are folded are wholly obviated.

I prefer to cast the pivot-plate C with the top extension, c^3, so as to form three sides of a box, within which the top of the leg is inclosed. Such extension forms a stop by which the upwardly-folded leg is arrested in line with the side rail. Except in the claim for this specific construction, I do not limit myself to the plate formed with said extension.

I claim as my invention—

1. In combination with the side rail, A, leg B, and pivot D, the offset pivot-plate C, secured from rotation upon the side rail, extending over the leg to receive the pivot D, and having its offset part c' arranged to form a stop to arrest the leg when extended in the outwardly-inclined position, substantially as shown.

2. The pivot-plate C, having the three sides c', c^2, and c^3, combined with the side rail, A, leg B, and pivot D, as shown, and secured to the side rail to prevent its rotation with the leg by suitable fastening, *c*, substantially as described.

In testimony that I claim the foregoing as my invention I affix my signature in presence of two witnesses.

ABEL H. FROST.

Witnesses:

D. W. MARSHALL,

A. P. GRANGER.