

(No Model.)

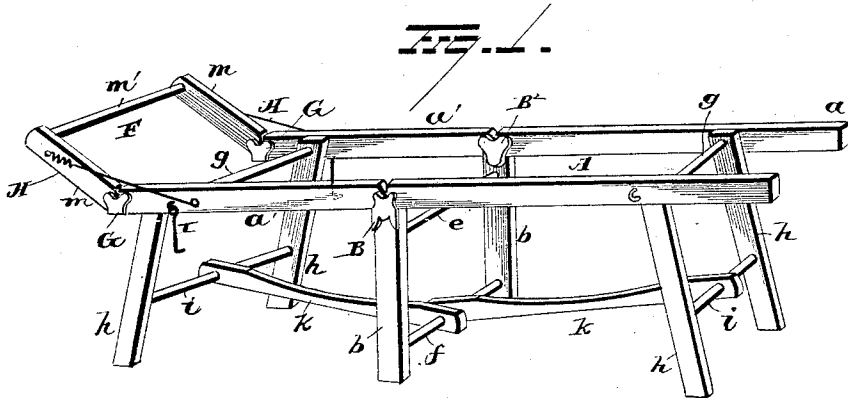
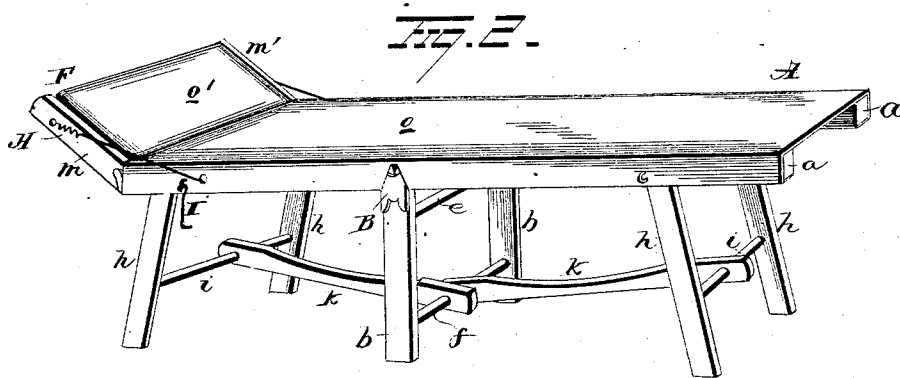
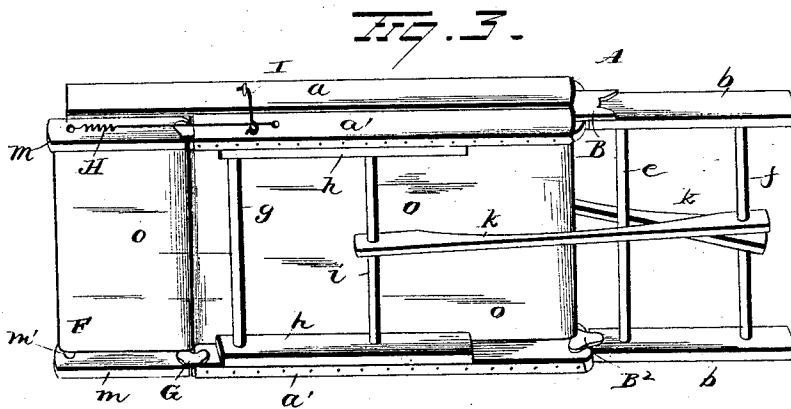
2 Sheets—Sheet 1.

C. B. CAMP.

COT.

No. 314,997.

Patented Apr. 7, 1885.



WITNESSES

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Geo. P. Downing.

INVENTOR

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2 Sheets—Sheet 2.

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FIG. 4.

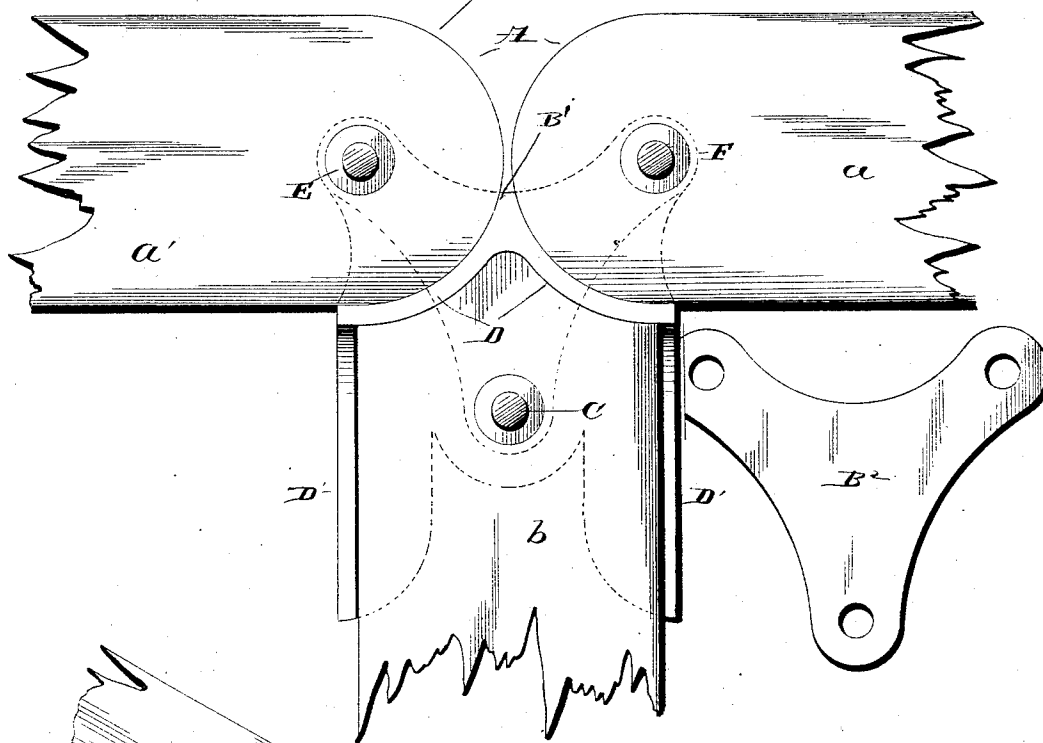
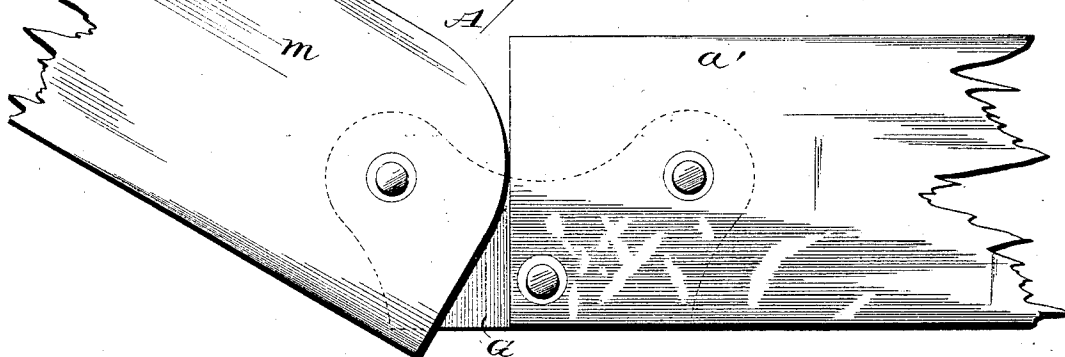
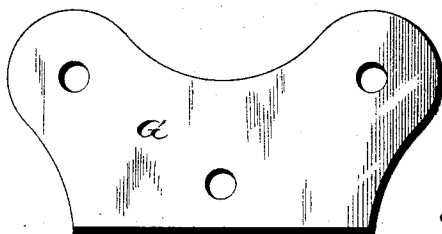


FIG. 5.



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CHARLES B. CAMP, OF STURGIS, MICHIGAN, ASSIGNOR TO THE PERFECTION MANUFACTURING COMPANY, OF TOLEDO, OHIO.

COT.

SPECIFICATION forming part of Letters Patent No. 314,997, dated April 7, 1885.

Application filed August 15, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES B. CAMP, of Sturgis, in the county of St. Joseph and State of Michigan, have invented certain new and useful Improvements in Cots; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in canvas-covered cots, the frame of which is composed of jointed sections adapted to be folded together, the object of the same being to provide a cot of this class which shall be strongly constructed and firmly braced, and which can with great facility be set up for use or folded into a compact and easily-handled package which may be stowed away in a small space.

With these ends in view my invention consists in certain novel details in the construction and arrangement of the several parts, as will be more fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of the cot-frame with the canvas removed. Fig. 2 is a similar view of a completed cot. Fig. 3 shows the cot when folded. Fig. 4 is a detached view of the center hinge, and Fig. 5 is a view of the hinges employed for securing the head-rest to the side pieces of the frame.

The side rails A are each made of two sections, *a a'*, the adjacent ends of which are pivotally secured to the upper ends of the central legs, *b*, through the intervention of the hinges B. These hinges B—one on each side of the frame—are preferably made of cast-iron, and consist of two separate plates, one of which is provided with studs for securing the cot-frame thereto, while the other simply acts as a locking-plate. The main or central studs, C, are preferably formed integral with the portions B of the hinges, and are adapted to be passed through the upper ends of the legs *b* below the side rails A. These hinges are prevented from turning on the legs *a* by the side flanges, D', and flanges D, which, combined, closely embrace, respectively, the opposite side edges and the upper ends of the legs, and consequently hold the hinges and legs in the same relative positions. The flanges D of

each hinge are shaped as shown in Fig. 4, and curved concentrically to the studs E, which latter are situated near the opposite side edges of the portion B', near the upper end thereof. These studs are passed, respectively, through the adjacent ends of the sections *a a'* of the side rails, and form bearings therefor, while the inner ends of the said sections *a a'* are curved to conform to the curvature of the flange D. The outer ends of the studs C and E are considerably reduced in size, and are adapted to fit in corresponding openings formed in the plate B² of the hinge B. After the studs of the plate have been passed through the legs and side rails of the frame from the outside the reduced ends of the studs project inwardly beyond the legs and rails, and the plate B² is placed thereon. The reduced ends are then upset, or nuts can be screwed thereon and securely hold the parts in position.

The central legs, *b b*, are connected together near their upper ends by the cross-bar *e*, and near their lower ends by the cross-bar *f*. The side rails A are also connected together near the outer ends by the cross-bars *g*, to which the end legs, *h*, are pivotally secured. These legs, when the cot is open, incline outwardly, so as to form a solid support, and the legs at each end of the cot are connected together by a cross-bar, *i*, which, besides preventing the legs from spreading apart, also serves as a means for attaching the outer ends of the brace-rods *k* to the central legs, *b*. The inner ends of the rods *k* are pivotally secured to the cross-bar *f* of the legs *b*, and limit the outward movement of the end legs.

From the foregoing it will be seen that by folding up the sections *a* of the side rails until they stand in a vertical position over or in line with the central legs, *b*, the end legs, *h*, are also turned inwardly alongside of the said sections *a a'* until they also rest in a vertical position. By moving the sections *a a'* to a horizontal position the braces *k* turn the end legs, *h*, outwardly simultaneously with the movement of the sections *a a'*.

The upper sections, *a'*, of the cot-frame are slightly shorter than the sections *a*, and are connected at their outer ends to the side rails *m* of the head-rest F. These side rails *m* are connected together near their outer ends by

the cross-bar m' , and the whole is pivotally secured to the side rails of the cot by the hinges G. These hinges G are composed of two plates, similar to the hinges B, one of said plates being provided with three lugs for securing the parts together. Two of the lugs of each hinge are adapted to be passed through the end of the section a' for the purpose of rigidly holding the hinge thereto, while the other lug passes through the inner end of one of the side pieces m , and forms a pivotal bearing therefor. The upper ends of the side rails m of the head-rest adjacent to the sections a' are curved sufficiently to enable the said head-rest to be inclined to suit the user, while the extreme inner ends of the side rails m are squared and adapted to abut against the adjacent ends of the side rails of the cot for the purpose of preventing the rails m from sinking below a horizontal or any predetermined position.

H are spiral or other suitable springs situated on opposite sides of the cot, and connecting the side rails m , near their outer ends, to the sections a' , for the purpose of holding the head-rest elevated, and enabling it to yield under the weight of the person using the cot.

I are hooks pivoted to the sections a' , and adapted to engage staples secured to the sections a , for the purpose of locking the parts when the cot is folded.

The edges of the canvas o are secured to the side rails of the frame, and the upper end thereof is firmly secured to the pillow o' , through the outer edge of which the cross-bar m' passes. This pillow is stuffed with hair, excelsior, or other suitable material, and rests between the side bars m , so as to enable it to give or yield to accommodate itself to the head of the user and form a comfortable rest.

In preparing this cot for use it is simply necessary to stand it in a vertical position, with the legs b resting on the floor, withdraw the hooks from the staples and slightly separate the sections a a' , which will cause the said sections to assume a horizontal position and the legs their proper relative positions thereto, as before described, without the necessity of a separate adjustment for any of the parts.

This device is exceedingly simple in construction, is durable in use, and can be manufactured and sold at a small initial cost.

It is evident that slight changes in the construction and relative arrangement of the several parts might be resorted to without departing from the spirit of my invention, and hence I would have it understood that I do not confine myself to the exact construction shown and described, but consider myself at liberty to make such changes as fairly fall within the spirit and scope of my invention.

I am aware that it is not new to secure a yielding head-rest to a non-folding bedstead, and hence I make no claim thereto; but,

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

1. In a folding cot, the combination, with the sectional side rails, of the bars m , forming continuations of said side rails, the hinges for securing the side rails and side bars together, and the springs connected at their opposite ends to the side rails and side bars, all of the above parts combined as described.

2. The combination, with the side rails, A, short rails a' , the side bars m , hinged to the outer ends of the short rails, and springs for yieldingly holding the side bars in an elevated position, of the legs b and b' , cross-bars f and i , and brace-rods connecting the end cross-bar with the central cross-bar.

3. The combination, with the side rails and legs constructed and arranged substantially as described, of the hinges B, connecting the side rails and central legs, and consisting of an inner plate provided with curved bearings for the ends of the rails, and with studs, and an outer plate provided with openings registering with the studs, all of the above parts combined as described.

4. In a folding cot, the combination, with side rails and a flexible covering secured thereto, of yielding side bars pivotally secured to the ends of the side rails, a cross-bar connecting the outer ends of the side bars, a pillow secured to said cross-bar and to the flexible covering and resting between the side bars, substantially as and for the purpose described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CHARLES B. CAMP.

Witnesses:

JASON A. BARBER,
L. K. PARKS.