(No Model.)

R. F. CROOKS.

COT.

No. 598,698. Patented Feb. 8, 1898.

Fig. 1.

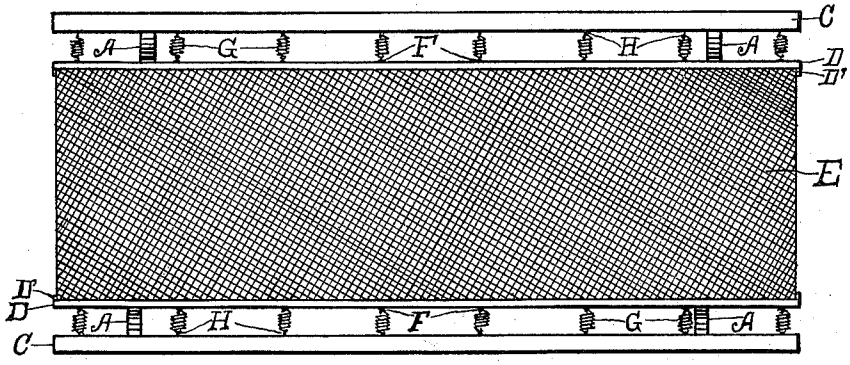


Fig. 2.

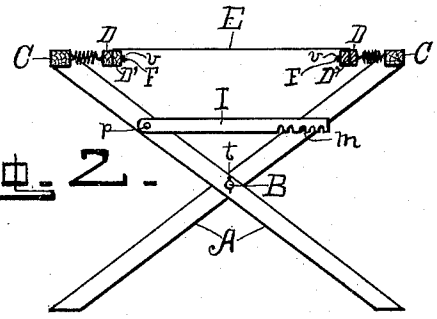


Fig. 3.

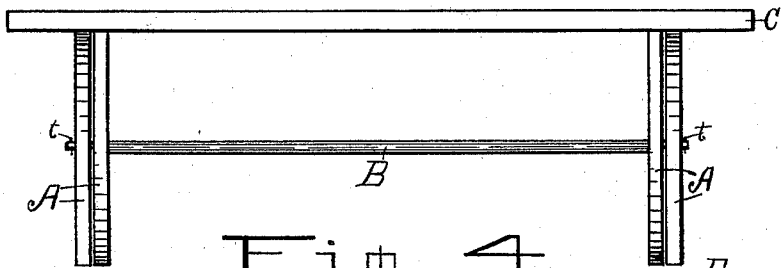
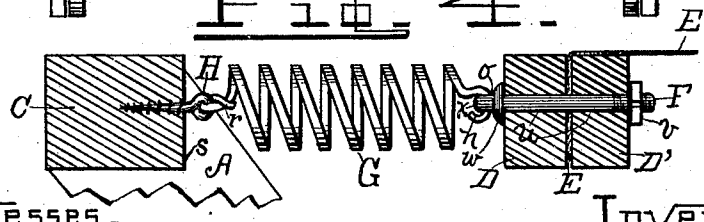


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

ROBERT F. CROOKS, OF POMONA, CALIFORNIA.

COT.

SPECIFICATION forming part of Letters Patent No. 598,698, dated February 8, 1898.

Application filed January 18, 1897. Serial No. 619,626. (No model.)

To all whom it may concern:

Be it known that I, ROBERT F. CROOKS, a citizen of the United States, residing at Pomona, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Cots; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in cots of that class having a canvas top, side rails, and fixed legs pivotally connected at or near their centers.

The objects of my invention are, first, to provide a cot of that class that will be cheap of manufacture; second, by means of side springs to convert the ordinary canvas cot into a comfortable spring-cot that will not sag in the middle when in use, as is the case with the woven-wire-spring cot; third, that will be simple in construction, and, fourth, that may be readily adjusted to the weight of the body occupying it by unhooking a greater or less number of the side springs, so as to obtain the proper elasticity.

The invention consists in the particular arrangement and construction of parts shown in the accompanying drawings and described in the following specification and more particularly pointed out in the claims.

In the drawings, Figure 1 is a top plan view. Fig. 2 is an end view. Fig. 3 is a side view; and Fig. 4 is an enlarged detail view of one of the side springs, showing its attachment to the side rail and the canvas-securing bars, the rail and bars being shown in cross-section.

A designates the legs.

B is the horizontal bar upon the ends of which the legs are pivotally mounted.

C are the side rails.

D and D′ are the canvas securing and supporting bars.

E is the canvas top.

F are the eyebolts securing the bars D and D′ together and are provided with the eyes *o*.

G are the coiled side springs, one end provided with the hooks *n* to enter the eyes *o* in the eyebolts F.

H are screw-eyes which are screwed into the rails C. One end of the springs G is fastened through the eye of the screw-eyes H by twisting upon itself, as shown at *r*. The legs A are secured to the side rails C by notching them to fit the rail, as most plainly shown at *s* in Fig. 4, and fastening them by nails or screws. The horizontal bar B is shouldered off smaller at each end and is turned round, so that the ends may fit into round openings bored through the legs A. The legs may be secured upon the ends of the bar by means of pins *t*. The side springs G are fastened to the screw-eyes H as described, and the said screw-eyes are then screwed into the inner face of the side rails at suitable distances apart. The bars D and D′ are of the same length as the side rails and have openings *u* bored through both at points opposite the screw-eyes H in the side rails. The side edges of the canvas top E, which is cut to proper width and length, are then laid between the bars D and D′, and the eyebolts F are placed in the openings *u* and forced through the canvas E. Nuts *v* are then placed upon the eyebolts F and drawn up tight, thereby firmly clamping the edges of the canvas between the bars D and D′. The eyebolts F are provided with heads *w* to bear against the bars D when the nuts *v* are drawn up. Above the head *w* are flattened portions *x*, through which are pierced the eyes *o*. To one of the legs on either end are pivotally attached notched bars I by screws *p*. The opposite legs are provided with pins *m*, which the notches in the bar I are adapted to engage.

When the canvas E is properly secured between the bars D and D′, the hooks *n* on the free ends of the side springs G are hooked into the eyes *o* in the eyebolts F, which suspends the top from the side rails C. When the side rails are spread apart, the top will be stretched, and the notched bars I on either end are placed in position with one of the notches engaging the pins *m*, which hold the legs apart in the desired position. When it is desired to reduce the strength of the springs, as would be necessary to make it

elastic when occupied by a light body, it is only necessary to unhook a portion of the side springs G from the eyebolts F, thereby adjusting the resistance of the springs to the weight to be borne. The woven-wire cot, or, in fact, any cot that is hung from the ends, will sag in the middle, thereby raising the head and feet and allowing the center of the body to drop down. For this reason a canvas cot that is hung from the sides is much more comfortable to lie upon.

In my invention I combine the elasticity of the spring-wire cot with the non-sagging qualities of the common canvas cot.

Having described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a cot having legs A, the bar B, and side rails C, the combination of the screw-eyes H, and the coil-spring G, having the hook *n*, with the eyebolts F, having the flat portion *x*, the opening *o*, and the head *w*, adapted to clamp the bars D, and D′, together, and thereby secure the canvas between them; the bars D, and D′, and the top E, all substantially as shown and described.

2. In combination in a cot of the class described, the legs A, the horizontal bar B, the notched bars I, the side rails C, the screw-eyes H, the side springs G, the eyebolts F, the bars D, and D′, and the top E, all arranged in the manner shown and described.

3. In combination in a cot having a folding body, pivotally-connected legs, and means for securing said legs when spread; the coil side springs G, having the hooks *n*, at one end and secured to the screw-eyes H, at the other end, said screw-eyes being adapted to be screwed into the side rails C, with the eyebolts F, having openings *o*, and heads *w*, said eyebolts being adapted to receive the hooks *n*, of the springs G, and to clamp the edges of the top E, between the bars D, and D′, substantially as set forth.

4. The combination in a canvas-top cot, having pivoted legs and notched end bars for securing said legs when spread apart, of the coil-springs G, secured to the side rails C, by means of the screw-eyes H, and having hooks *n*, upon their free ends, with the eyebolts F, having the openings *o*, the heads *w*, and provided with the nuts *v*, and the bars D, and D′, having the bolt-openings *u*, substantially as set forth.

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

ROBERT F. CROOKS.

Witnesses:

RALF W. H. HALL,

J. W. LORBEER.