

Patented July 25, 1882.

A technical drawing showing a cross-section of a mechanical part. It features a central vertical hole with a diameter labeled N . To the right of the hole is a horizontal section with a radius labeled r . The entire assembly is shown in a perspective view, with a label p indicating a pressure or force applied to the right side.

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INVENTOR
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UNITED STATES PATENT OFFICE.

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MANUFACTURING COMPANY, OF SAME PLACE.

FOLDING COT.

SPECIFICATION forming part of Letters Patent No. 261,770, dated July 25, 1882.

Application filed June 24, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES T. SEGAR, a citizen of the United States, residing at Utica, in the county of Oneida and State of New York, have invented a new and valuable Improvement in Folding Cots; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of this invention in a perspective view. Fig. 2 is a plan view of the under side of the cot when folded. Fig. 3 is a perspective detail of the upright slotted strip and the braces connected to it. Figs. 4, 5, and 6 are details of the side braces of the cot and the iron bearings.

This invention has relation to folding bed-frames or cots, and refers especially to certain improvements upon the folding cot described in Letters Patent No. 257,085, granted to me on the 25th day of April, 1882.

The invention consists in extending outward the lower sectional cross-bars of the head and foot supports to engage the notched ends of the pivoted side braces, which are connected to the rails and work in pivoted slide-bearings connected to the standards; also, in slotting the upright strip which connects the inner ends of the sections composing the upper and lower cross-bars, and in providing the inner ends of the upper sectional cross-bars with braces, the lower ends of which are connected by a pivot which slides in the slot of the upright strip, all as hereinafter set forth.

In the accompanying drawings, the letter A designates the side rails of the cot-frame; B, the standards at the head and foot, which are pivoted to said rails; and C, the sectional cross-bars, which are pivoted to the standards B and centrally connected by the upright metallic strips D. The upper cross-bar is composed of the sections E, which are pivoted to each other and to the connecting-bar D at *g*. Each of these sections is provided with an iron brace, H, which is pivoted to said section by its upper end and extends obliquely down-

ward. The strip D is vertically slotted at *k*, and the oblique braces H of the sections E are connected by a sliding pivot, *l*, which works in the slot *k* of said strip. When the bed-frame is folded the braces and slotted strip govern the movements of the cross-bars, so that they move together. This construction also serves to hold the cross-bars square and true.

N represents the side braces which are pivoted to the rails at *m*. Each side brace is formed with a notched lower end, *p*, and slides through a slotted iron bearing, *r*, which is pivoted to the standard B. The outer end of each lower cross-bar section, C, is extended, as indicated at *z*, and when the frame is unfolded for use this extension *z* engages the notched bearing *p* at the end of the side brace. In this manner the frame is firmly braced in position when unfolded and set up. The cross-bar braces and the side braces act in unison to steady the standards and cross-bars, so that the legs will not sway and the frame will be strong and secure.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

1. In a folding cot, the extensions *z* of the lower sectional cross-bars, and the pivoted side braces, N, having the notched ends *p* and pivoted slide-bearings *r*, substantially as specified.

2. In a folding cot, the slotted upright connection D and the oblique braces H, pivoted to the sections E of the cross-bar by their upper ends, and connected at their lower ends by the slide-pivot *l* engaging the slot of said upright connection.

3. In a folding cot, the combination, with the sectional cross-bars, standards, and rails, of the slotted center strips, D, the oblique braces H, and the side braces, N, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES T. SEGAR.

Witnesses:

GEO. H. WILSON,
M. E. BLASIER.