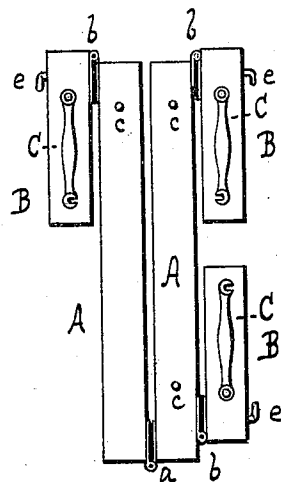
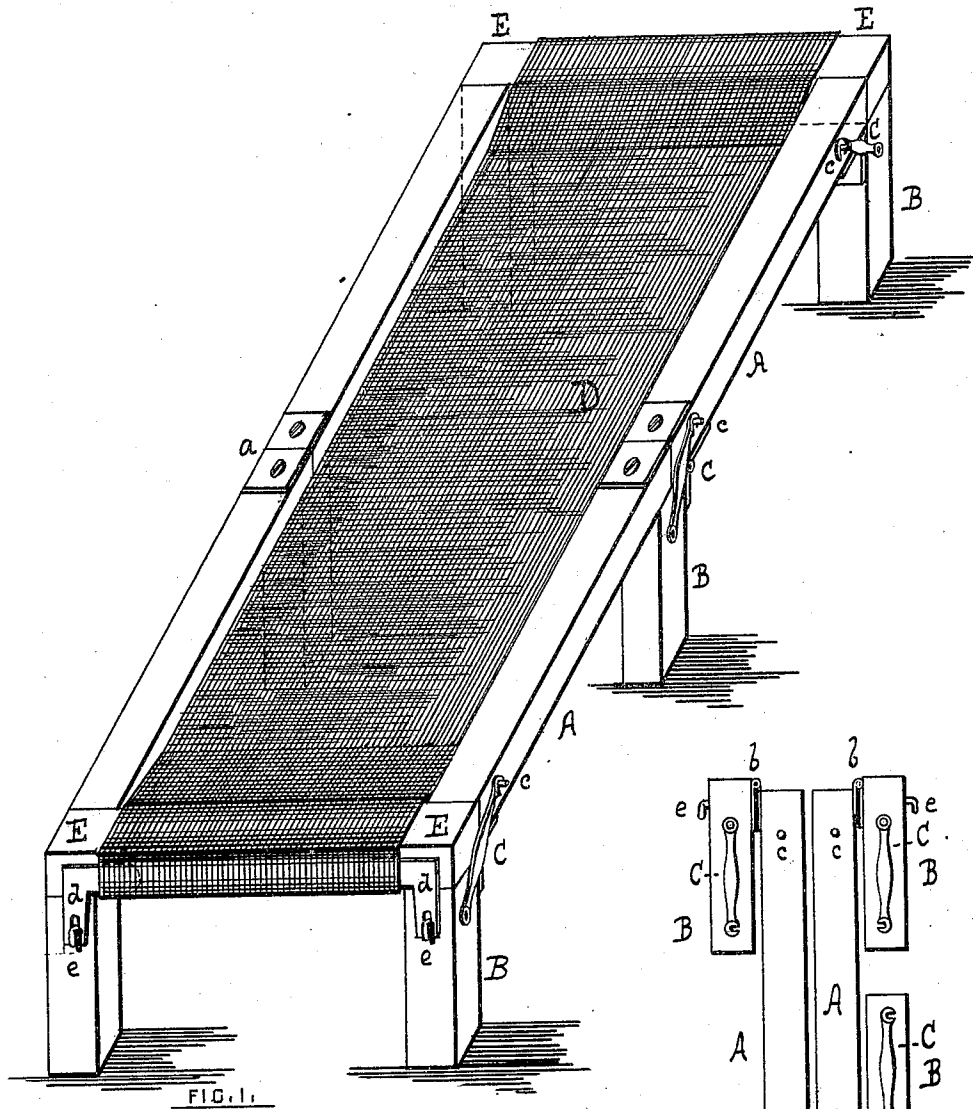


E. W. FYLER.

FOLDING-COT.

No. 174,624.

Patented March 14, 1876.



WITNESSES:

William B. W. Hale

Warren R. Perce

INVENTOR,

Edwin W. Fyler

UNITED STATES PATENT OFFICE.

EDWIN W. FYLER, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO LUCIEN W. PALMER, OF SAME PLACE.

IMPROVEMENT IN FOLDING COTS.

Specification forming part of Letters Patent No. **174,624**, dated March 14, 1876; application filed July 6, 1875.

To all whom it may concern:

Be it known that I, EDWIN W. FYLER, of the city and county of Providence, in the State of Rhode Island, have invented a new and Improved Folding Cot, of which the following is a specification:

Figure 1 is a perspective view of my invention. Fig. 2 shows one of the side bars when folded.

The purpose of my invention is to furnish a cot-bedstead, capable of being compactly folded, so as to occupy small space, and to be easily transported. Such a cot is useful in camp-equipage, in hotels, and other places where sleeping accommodations need suddenly to be improvised.

The characteristic feature of my invention is the making of the side bars separately, and dividing them into two pieces for the purpose of folding. The legs also fold against the bars, the canvas is rolled upon the cross-pieces, and the whole is thus brought into small compass. I cut the side bar A transversely at the middle point, and fasten these parts by the hinge *a*. At the ends of the bar, as also at the place of division, I put the legs B B, which are hinged thereto, as shown at *b b*. A brace, C, is pivoted upon each of the legs and hooks upon the pin *c* on the bar, thus giving firmness to the structure, and keeping the legs in position securely. If desired, additional firmness may be secured by means of rods or other braces to connect and hold together the central legs. The canvas D is made with a wide hem at both ends, through which pass the cross-bars E E to form the head and foot of the cot, respectively. These cross-bars are fitted with projecting eye-pieces *d d*, which hook upon the studs *e e* on the corner legs. When the side bars have been properly

mounted the cross-bars carrying the canvas are locked on, as described, by slightly raising the free ends of the bars A A.

The frame thus formed, consisting of the side bars A A and cross-bars E E, serves, in combination, to strain the canvas D to such a tension that it becomes a firm and elastic bottom for the cot. The side bars, being hinged, as described, act as knee-joints, by which a very great leverage is obtained to stretch the canvas lengthwise, and so the canvas is drawn more tightly than is possible by means of rollers or other devices now in use.

If desired, instead of a hem, as described, the canvas and cross-bars may be held together by straps and buckles at short intervals crosswise. Either of these modes is valuable, as rendering the strain upon the canvas much less than would result from directly nailing it to the cross-bars.

I therefore claim as a novel and useful invention, and desire to secure by Letters Patent—

1. The combination of the separate and divided side bars A A, provided with hinges *a b*, folding legs B B, and braces C C, canvas D, and cross-bars E E, locked in place, as described, all made as and for the purpose specified.

2. The side bars A A, hinged at *a a*, in combination with the cross-bars E E and canvas D, the cross-bars resting against the ends of the side bars, and passing through the hem of the canvas, substantially as described, whereby the side bars act as knee-jointed levers to stretch the canvas, as set forth.

EDWIN W. FYLER.

Witnesses:

WILLIAM B. W. HALLETT,
WARREN R. PERCE.