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Patented Aug. 2, 1898.

L. COBURN.

COT BED.

(Application filed Nov. 17, 1897.)

(No Model.)

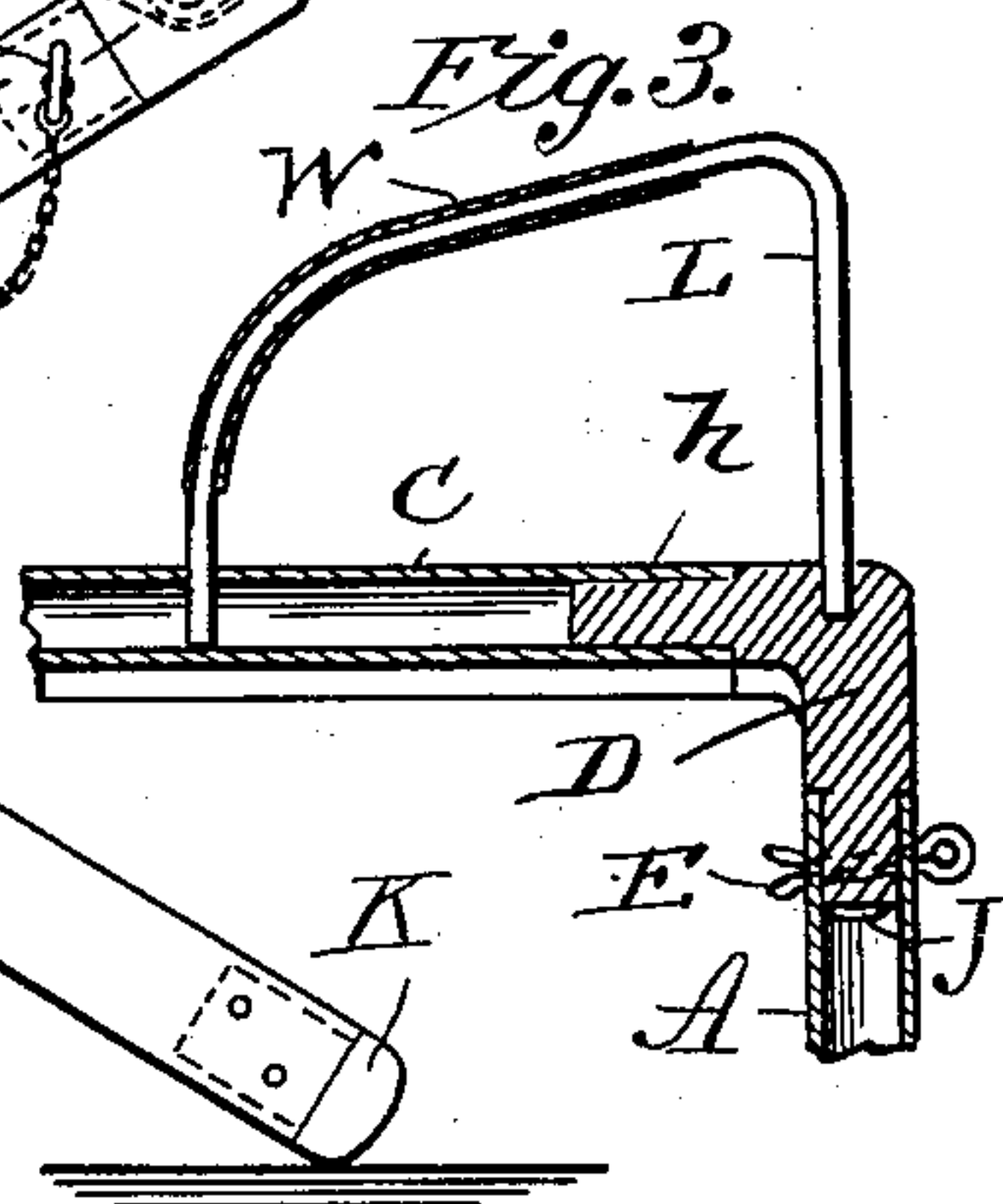
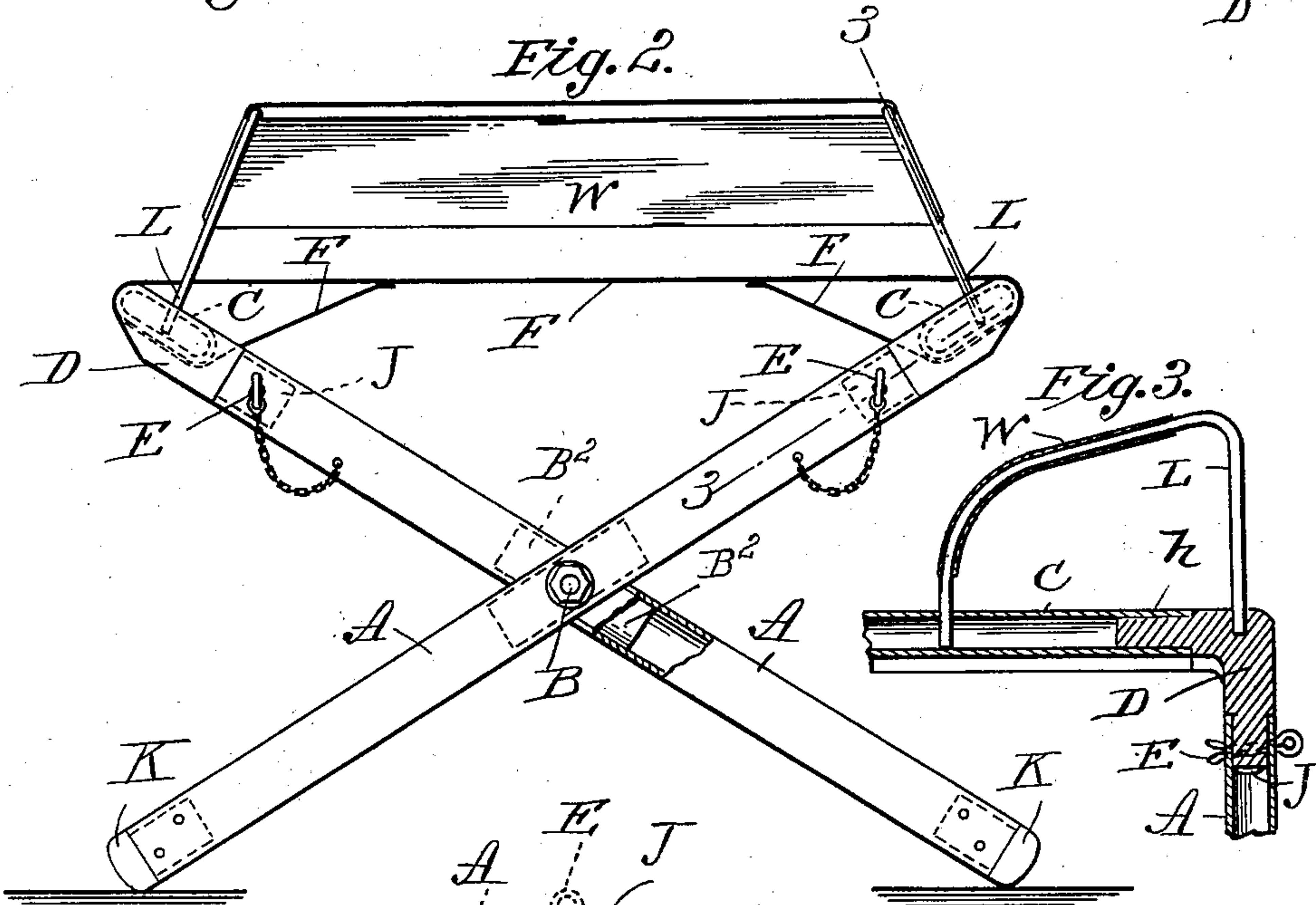
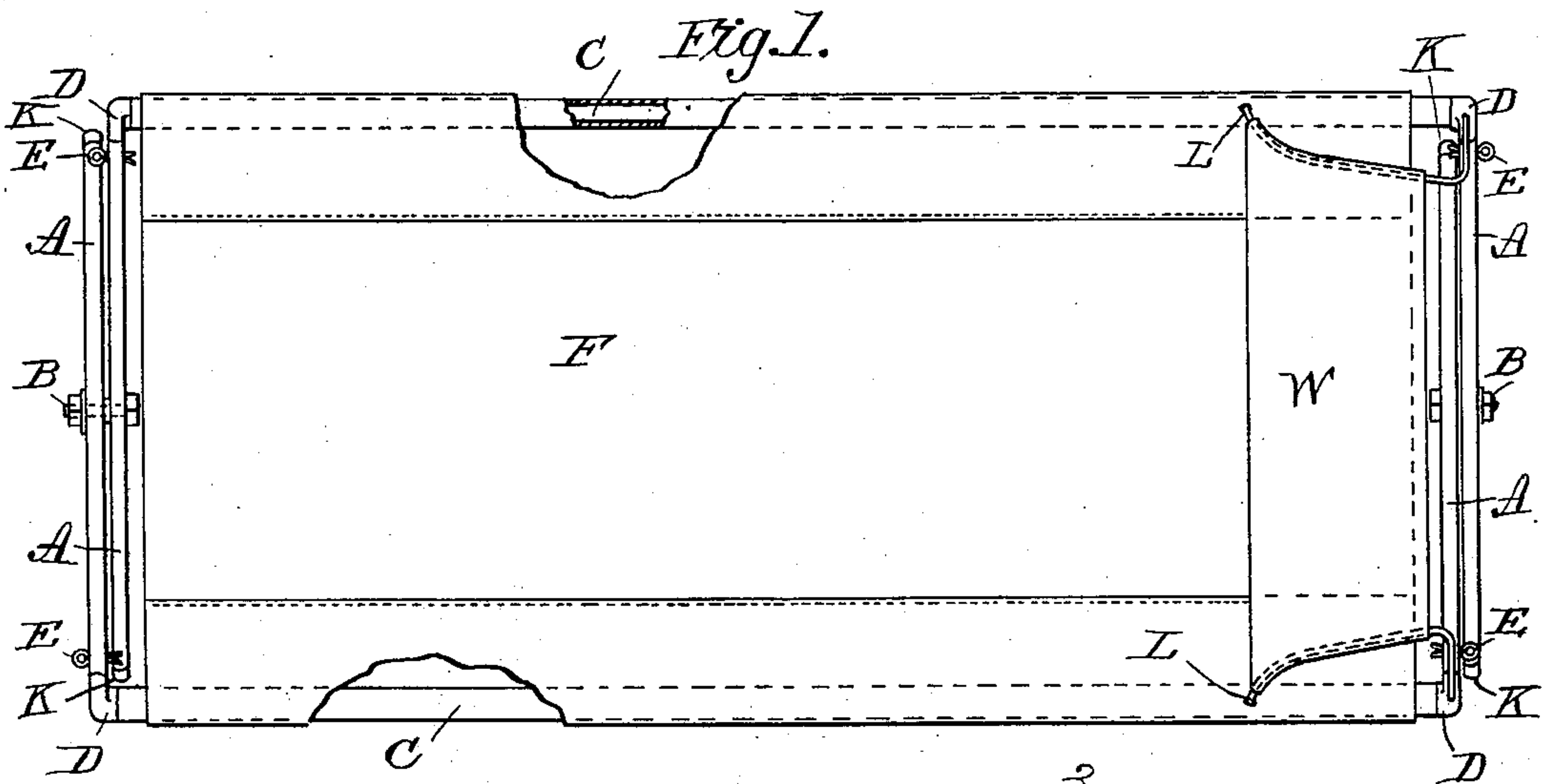


Fig. 4.

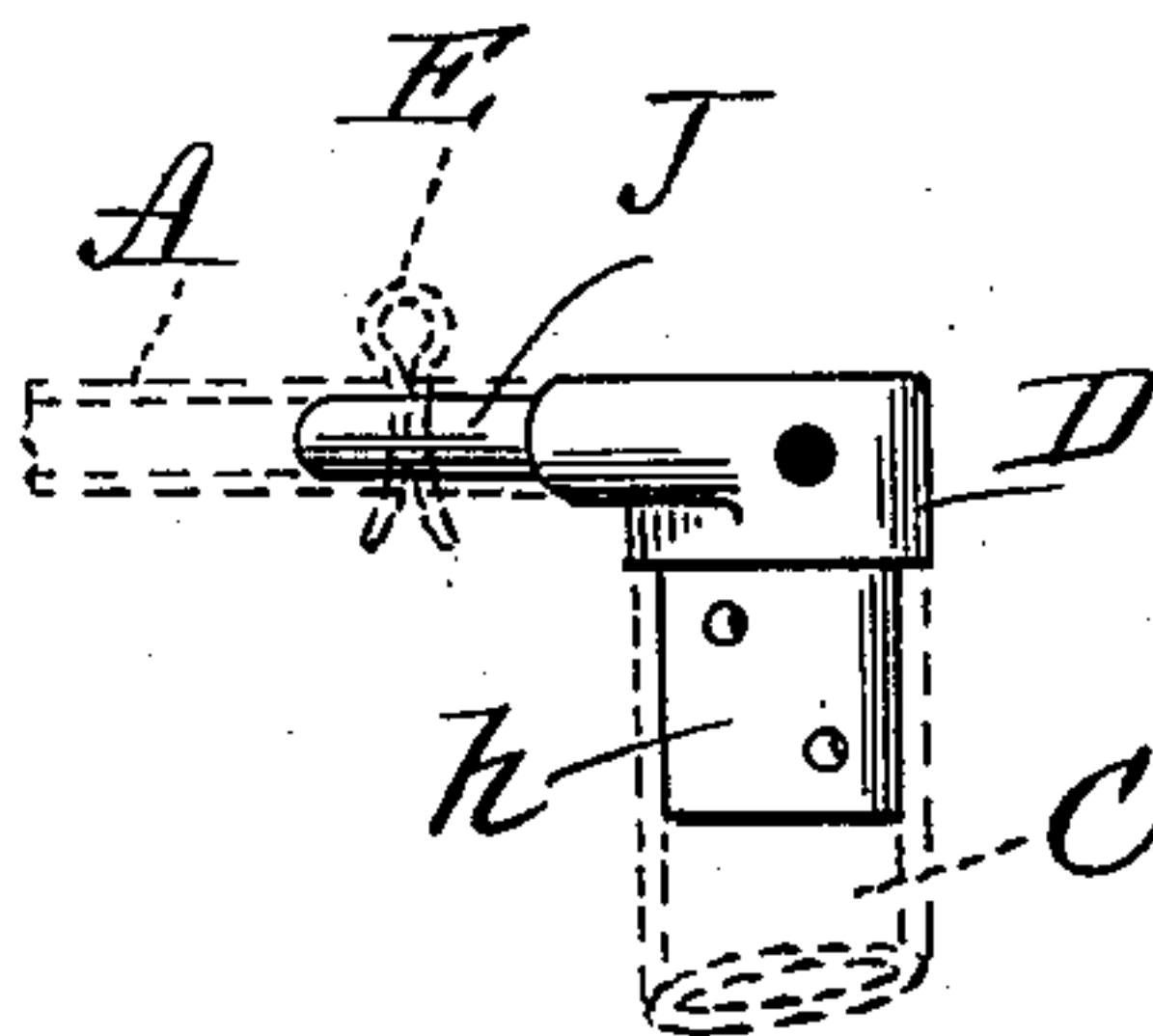


Fig. 6.



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Fig. 5. J
A
by *Inventor*
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UNITED STATES PATENT OFFICE.

LEMUEL COBURN, OF HOLYOKE, MASSACHUSETTS, ASSIGNOR TO THE
COBURN METALLIC BED AND PNEUMATIC TUBE MATTRESS COM-
PANY, OF SAME PLACE.

COT-BED.

SPECIFICATION forming part of Letters Patent No. 608,547, dated August 2, 1898.

Application filed November 17, 1897. Serial No. 658,857. (No model.)

To all whom it may concern:

Be it known that I, LEMUEL COBURN, a citizen of the United States of America, residing at Holyoke, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Cot-Beds, of which the following is a specification.

This invention relates to cot-beds, the object being to provide an improved bed of this class in respect to strength of construction and ease of disconnection of parts for packing and again setting up for using the same; and the invention consists in the peculiar construction and arrangement of the several parts of the bed, all as hereinafter fully set forth, and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a top plan, and Fig. 2 is an end view, of a cot-bed embodying my invention, portions of the canvas and rail parts of the bed in Fig. 1 being broken away to better show the construction of rails enveloped by said canvas. Fig. 3 illustrates one corner of the frame parts of the bed in section on line 3 3, Fig. 2, and one of the pillow-strip frames, all of which are below described. Fig. 4 illustrates in plan view the corner parts shown in Fig. 3. Fig. 5 is a perspective view of a portion of the parts shown in Fig. 4 and is fully described below. Fig. 6 is a sectional view of the metallic tubular bars used in constructing the bed-frame.

Referring to the drawings, A indicate the pivotally-connected two pairs of folding legs of the bed, and B the pivot-bolt which unites each pair of said legs about centrally between their ends. Said legs of the bed and the side bars C of the bed consist of tubular metallic bars of peculiar form, as below described, these being preferably employed on account of lightness for transportation and because of their greater resistance to deflection under the strain to which they are subjected when the bed is in use. The tubes of said legs and side bars, as shown in Fig. 6, have parallel flat sides and curved edges and are so arranged in the bed construction that the strain thereupon while in use will be mainly in lines across the said flat sides of the tubes and extending between said curved edges. Said

form of tubular bars provides greater deflective resistance in proportion to the weight thereof than do ordinary cylindrical tubes. The central parts of said legs, through which said pivot-bolt B passes, are provided with solid metal parts B², fixed therein, in order to form solid bearings in them for said pivot-bolt. The upper end of each of said bed-legs A is provided with an elbow-shaped corner connection D, which serves to unite the extremities of the tubular side bars C, to which the canvas or bed-bottom F is attached at each corner of the bed. A foot K, of suitable metal, is secured on the lower end of said bed-legs. Said elbow-shaped corner connection D, as shown in Figs. 3 to 5, inclusive, has an arm h, which enters the end of one of said canvas-supporting or side bars C, and the latter is secured therein by rivets, screws, or other suitable means, as indicated in Fig. 4, so that the two bars C each has two of said corner connections permanently attached thereto. Said connections D have their two arms h and J so located thereon that while holding said canvas-supporting bars C in position to receive the canvas bed-bottom F by the arms h the said arms J extend downwardly in line with the upper ends of said bed-legs A, so that the said ends may receive therein said arms J, and the latter are temporarily secured by the pins E during the time the bed is in use.

The frame of the bed thus constructed from the four legs A and two supporting-bars C is ready to receive the canvas bed-bottom F, which is applied thereto as shown in Figs. 1 and 2—that is to say, said bottom has a wide hem at each border, whereby provision is made for passing the ends of said supporting-bars C, with said elbows thereon, through said hems, so that said bottom is thereby placed on said bars, and then the latter are secured to the upper ends of the legs A by pinning the latter to the arms J of the connections D, as above described. Thus arranged said bed-legs are held with their flat sides in vertical planes, and said bars or side rails C are held by the connections D with their sides in horizontal planes, and the folds of the bed-bottom F draw against the outer curved edges

of said side rails or supporting-bars with such strain as the weight upon the bed may induce.

A pillow for the bed, consisting of a strip W of suitable cloth or similar material, is provided and is supported at one end of the bed by two frames L, made from a metal rod of inverted-U shape, substantially, one leg of said pillow-frame entering freely a socket in said elbow-shaped connection D and the end of the second leg freely entering a perforation in the upper side of the side bar C, as shown. Said pillow-frames and the strip of cloth W forming the pillow, or, if need be, a pillow-support, are easily removable from the bed-frame and can be closely enveloped for packing with the folded legs, the supporting-bars C, and said bottom.

It is obvious that for practical use said elbow connections D might serve the purpose of uniting the bed-legs with the side bars of the bed if fixed on the legs and the described means for uniting the legs temporarily with said connections be employed for uniting the said cross-bars temporarily with the latter; but such change would leave the connection D permanently on said bed-legs and prevent folding them closely for packing and transportation, and hence said change would be undesirable.

The within-described bed is constructed especially with the view of producing one that shall be light and strong and one that can be packed in a small space for transportation, all of which will be clearly understood from the above description thereof.

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

1. A cot-bed frame comprising two pairs of tubular metallic folding legs, two tubular metallic side bars extending between the upper extremities of said legs, a side bar and leg connection of elbow form permanently secured by one arm to the ends of each of said bars, each of which connections has an arm for entrance into the upper end of one of said legs, and means for temporarily attaching said elbow-arm to said leg end, substantially as set forth.

2. A cot-bed frame comprising two pairs of tubular metallic folding legs, two tubular metallic side bars extending between the upper extremities of said legs, a side-bar and leg connection of elbow form fixed on the extremities of each of said bars, and each having an arm entering the upper end of a leg and a removable pin temporarily uniting said connections with the upper extremities of said legs, substantially as set forth.

3. A cot-bed frame comprising two pairs of tubular metallic folding legs, two tubular metallic side bars extending between the upper extremities of said legs, a side-bar and leg connection fixed on the extremities of each of said bars, means for temporarily uniting said connections with the upper extremities of said legs, and a pillow-support for said bed comprising two removable metallic frames of substantially inverted-U shape having the extremities of their legs entering perforations in said connections and side rails, and a strip of cloth-like material secured by its ends to said frames and extending across and over one end of the bed-frame, substantially as set forth.

4. A cot-bed frame comprising two pairs of tubular metallic folding legs, two tubular metallic side bars extending between the upper extremities of said legs, said tubular legs and side bars having parallel flat sides and curved edges, a side-bar and leg connection fixed on the extremities of each of said bars, and means for temporarily uniting said connections with the upper extremities of said legs, substantially as set forth.

5. A cot-bed frame comprising two pairs of tubular metallic folding legs, two tubular metallic side bars extending between the upper extremities of said legs, detachable side-bar and leg connections interposed between each extremity of said bars and the upper extremity of each leg, said tubular legs and side bars having parallel flat sides and curved edges, substantially as set forth.

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