

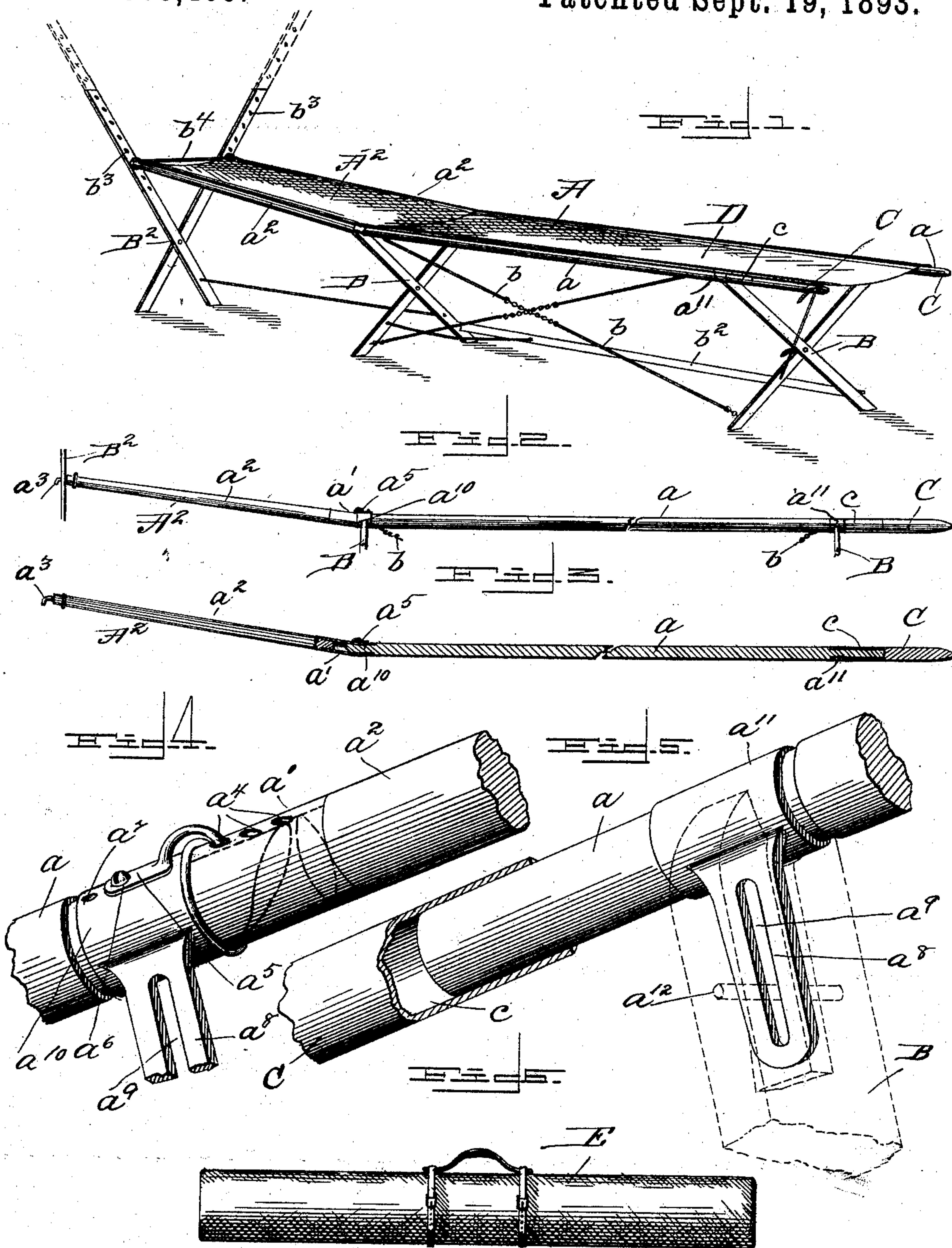
(No Model.)

2 Sheets—Sheet 1.

B. D. MORRELL.
PORTABLE FOLDING COT.

No. 505,409.

Patented Sept. 19, 1893.



Witnesses

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Inventor

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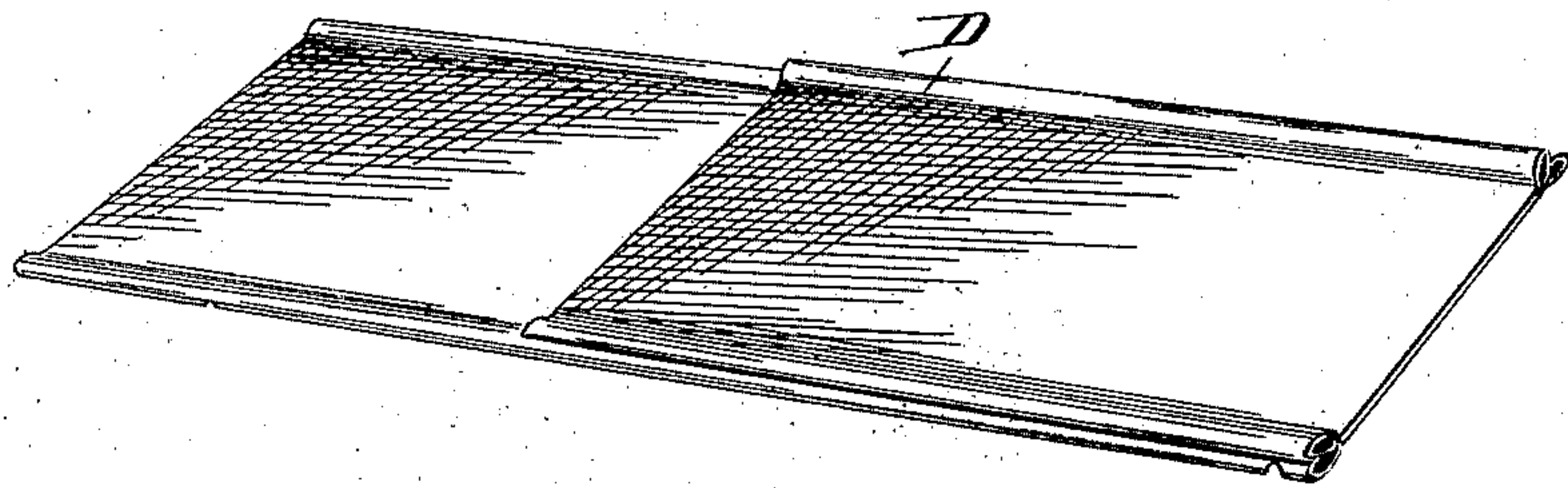
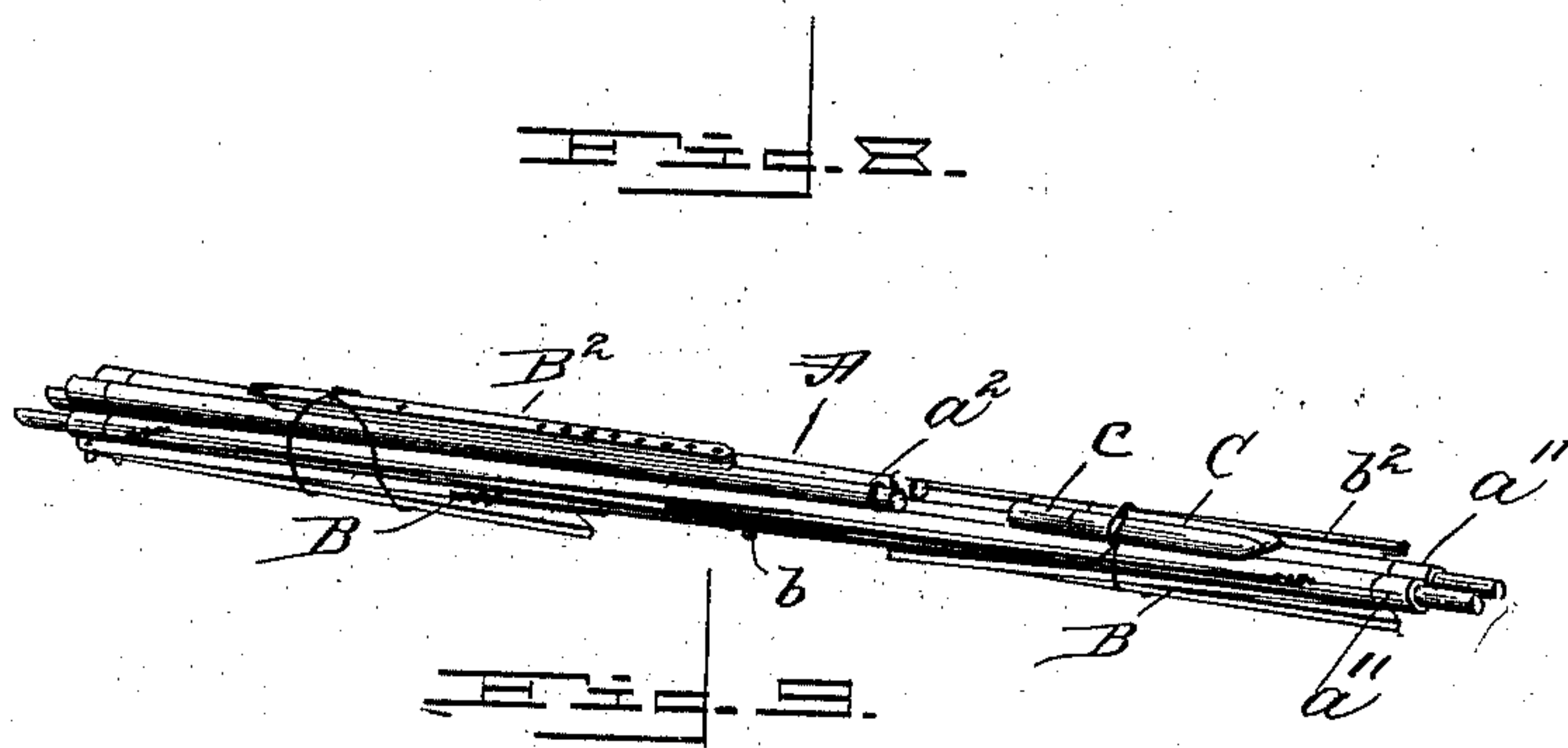
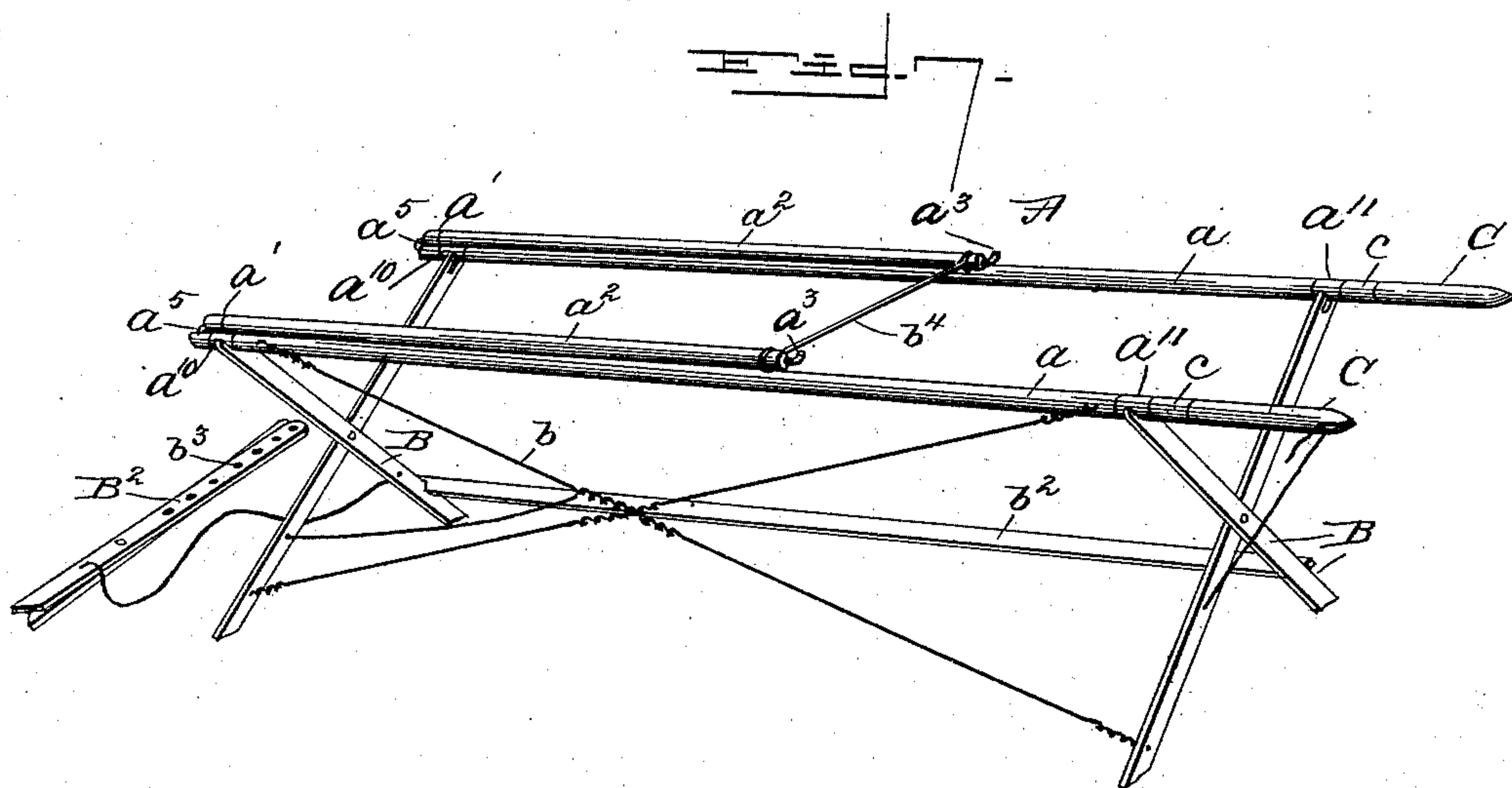
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UNITED STATES PATENT OFFICE.

BENJAMIN D. MORRELL, OF PITTSBURG, PENNSYLVANIA.

PORTABLE FOLDING COT.

SPECIFICATION forming part of Letters Patent No. 505,409, dated September 19, 1893.

Application filed July 19, 1892. Serial No. 440,455. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN D. MORRELL, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Portable Folding Cots, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to certain improvements in beds, particularly to that class known as portable folding cots.

The object of this invention, is, to provide a cot specially adapted to be readily and conveniently folded in a compact bundle, of comparatively small size, and at the same time, one that shall present a neat appearance.

20 The invention furthermore, contemplates the provision of a case or covering designed to contain the cot after it has been folded, the cover being provided with suitable means for carrying the same.

A further object of the invention resides in the employment of such peculiar construction whereby the head portion of the cot may be readily adjusted to any desired angle of elevation.

30 The object of the invention is finally to provide a portable cot, that shall be at once strong, durable and thoroughly efficient in use.

With these objects in view, the invention consists in a portable cot, comprising the usual side rails and the pivotally secured X-shaped legs or braces adapted to fold inwardly, or toward each other.

40 The invention consists furthermore, in the combination with the side rails supported on the X-shaped braces, of the detachably secured extension pieces, for the purpose of increasing the length of the cot, and the hinged head portion adjustably supported by the X-brace.

45 The invention furthermore, consists in a novel form of cover, adapted to be secured to the side rails and capable of being readily detached for washing, &c.

50 The invention finally consists in various novel details of construction hereinafter to be more fully described and specifically pointed out in the claims.

In describing the invention in detail, ref-

erence is had to the accompanying drawings, forming part of this specification, wherein like letters of reference indicate correspond- 55 ing parts in the several views, in which—

Figure 1, is a view in perspective of one form of folding cot, embodying my improvements and showing same set up ready for use. Figs. 2 and 3, are views in detail of one of the 60 side rails shown detached. Fig. 4, is an enlarged detail view of the hinged joint between the horizontal and incline rail sections. Fig. 5, is a similar view showing the connection between the horizontal rail section and the 65 extension piece, also showing in dotted lines the pivotal connection of the X-shaped brace with said rails, and Fig. 6, is a view showing the appearance of the cot when in its folded position and inclosed within the covering or 70 case. Fig. 7, is a view in perspective showing the position of certain parts, when the cot is partly folded. Fig. 8, is a similar view, showing the cot completely folded, and Fig. 9, is a view of the cover, with the head portion 75 folded and resting on the body portion.

In the drawings: A, indicates the cot, having the side rails *a, a*, supported by the X-shaped legs B, the latter being braced longitudinally by the rods *b, b*, and held in position by the stretcher *b²*. The inclined portion 80 *A²*, is similarly provided with side rails *a², a²*, which are braced by the adjustable X-shaped brace pieces *B²*, said rails *a²*, being removably held by means of hooks *a³*, secured in the 85 ends thereof and designed to engage in the apertures *b³*, of said X-brace, as shown in Fig. 2. The opposite ends are hinged, as shown in Fig. 4, wherein *a'*, represents a socket piece secured on the ends of the rail and provided 90 with a series of apertures *a⁴*, adapted to receive the hook end of the pivotal hinge *a⁵*, the latter being secured by the screw *a⁶*, in one of a series of apertures *a⁷*, formed in the collars *a¹⁰, a¹⁰*, of the horizontal rail *a*. The projecting 95 end of said rail is suitably rounded or beveled and fitting the socket piece, (as shown in dotted lines.) Thus it will be understood, that when it is desired to incline the head portion, the side rails thereof will 100 be guided and retained in position by the pivotal hinges as above described.

In Fig. 5, the method of lengthening the part is illustrated, wherein the upper slotted

end of one of the X-shaped supporting legs or braces B, is shown pivotally held on the lateral projection a^8 , slotted at a^9 of the collar a^{11} , by the pin a^{12} , said collar being loosely
 5 secured on a reduced portion of the rail and held in position by the socket piece c , of the extension rail C.

To fold the cot, the stretcher b^2 , and the lateral brace b^4 , are detached, also the X-brace
 10 B^2 , when the first fold is made, by turning the inclined portion A^2 on its pivot until it rests on the cot proper. The next step is to fold the braces B toward each other after removing the extension pieces C, until said
 15 braces rest on the bottom of the cover D, after which the several small parts may be advantageously placed to form a compact bundle to snugly fit in case E. The cover D, is so arranged, whereby it may be readily slipped
 20 off the side rails, when desired, for purposes of washing, &c.

It will be understood that various changes may be made in the detail construction of the invention without departing from the general
 25 idea involved.

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

1. In a folding cot, the combination with
 30 the side rails a , of the inclined rails a^2 , the connection between the rails a — a^2 comprising the socket-piece a , adapted for the reception of the beveled extremities of said rails a — and having a series of ap-
 35 ertures a^4 , the hinge piece a^5 — engag-

ing the apertures, and the collars a^{10} — on which said hinge piece is adjustably secured, as specified.

2. The combination with the side rails a , of the inclined rails a^2 — and the hinge con- 40
 nection between the same as described, the collars a^{11} — loosely mounted on the reduced portions of said rails a — and the extensions
 —C— having sockets c — engaging the ex- 45
 tremities of said reduced portions to retain
 said collars in position, as specified.

3. In a folding cot, the combination with the side rails a — of the inclined rails a^2 — the hinge connection between the same as de- 50
 scribed, the collars a^{10} — a^{11} — loosely mount-
 ed on said rails a — and provided with slot-
 ted lugs a^8 —, the collapsible supporting legs
 —B—B— pivotally secured to said lugs and
 suitably braced, and the removably secured
 cover —D—, as specified. 55

4. In a folding cot, the combination with the side rails a , of the inclined rails a^2 , and the X-shaped legs B, supporting the first
 named by a pivotal connection comprising
 the collars a^{10} , a^{11} , having the lateral slotted 50
 projections a^8 , adapted to be held in a recess
 formed in the upper end of the leg B, by the
 pivotal pin a^{12} , substantially as described.

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

BENJAMIN D. MORRELL.

Witnesses:

H. C. EVERT,
 HENRY AIKEN.