B. J. COBB.

COMBINED BED AND TABLE.

APPLICATION FILED JUNE 27, 1916.

1,233,313.

Patented July 17, 1917.

2 SHEETS—SHEET 1.

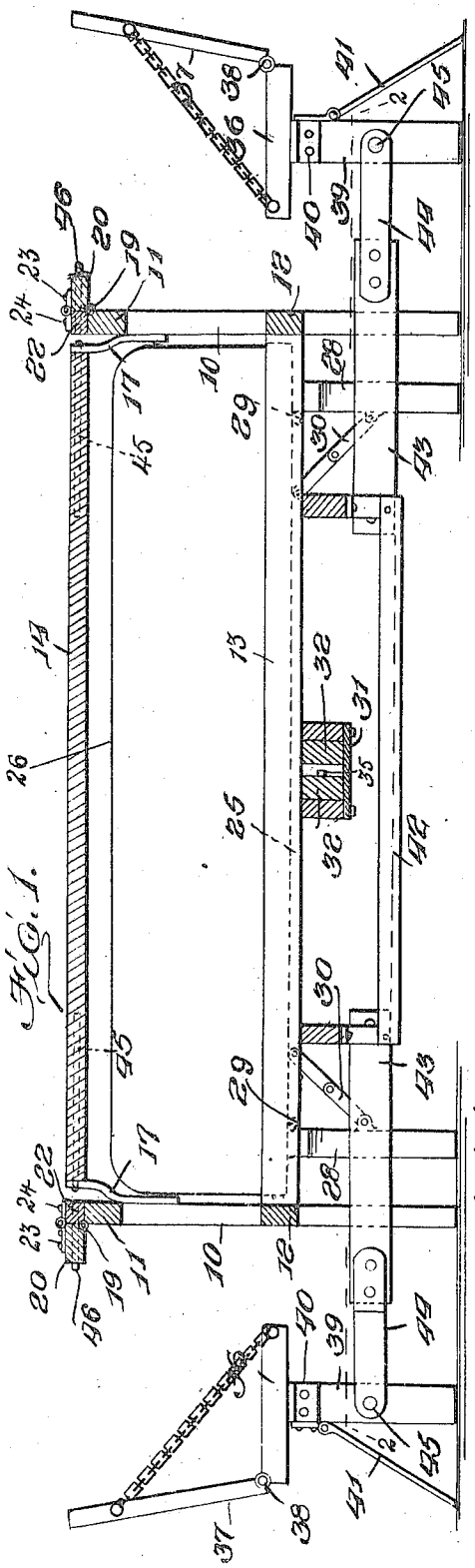


FIG. 1.

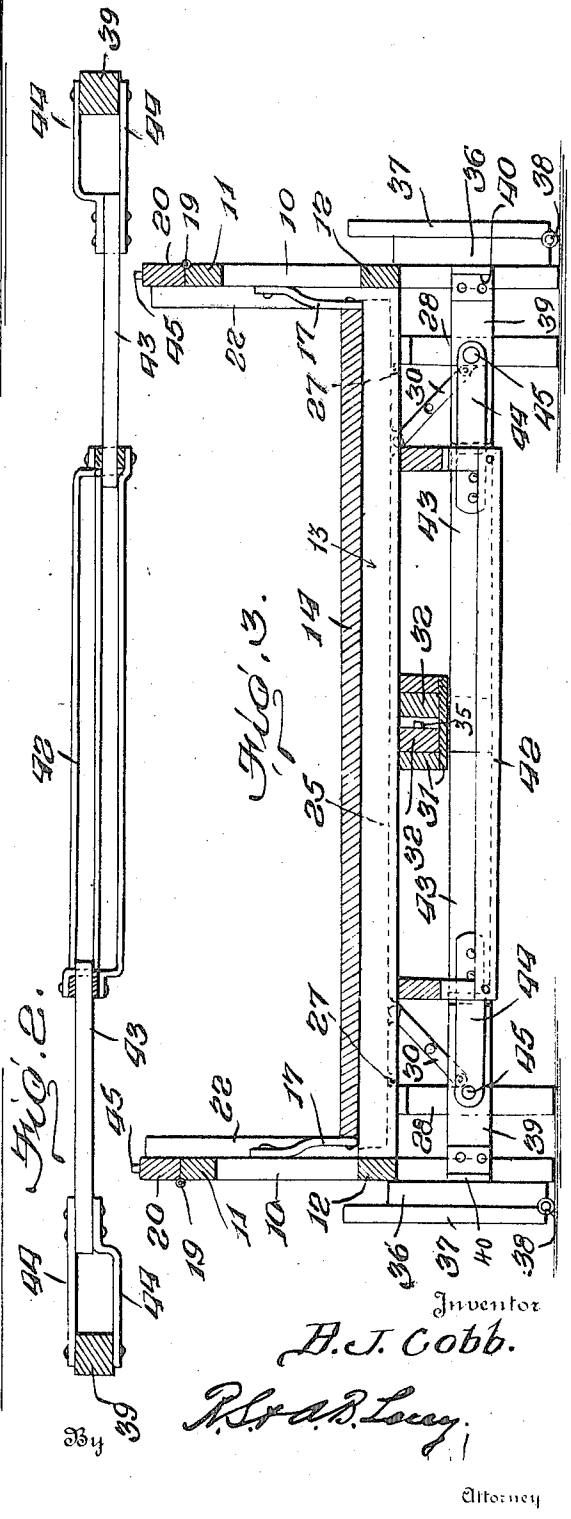


FIG. 3.

FIG. 2.

Inventor

B. J. Cobb.

By R. L. & A. B. Lacey.

Attorney

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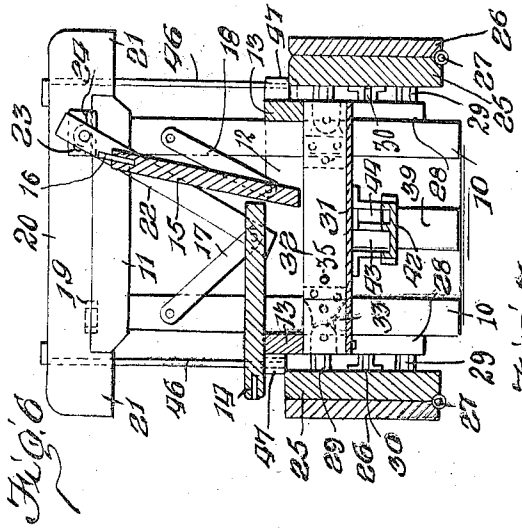


Fig. 6.

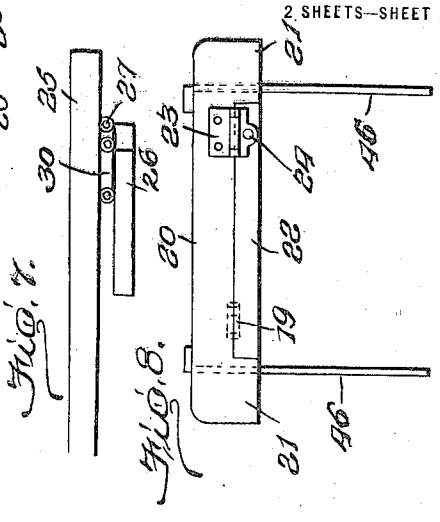


Fig. 7.

Fig. 8.

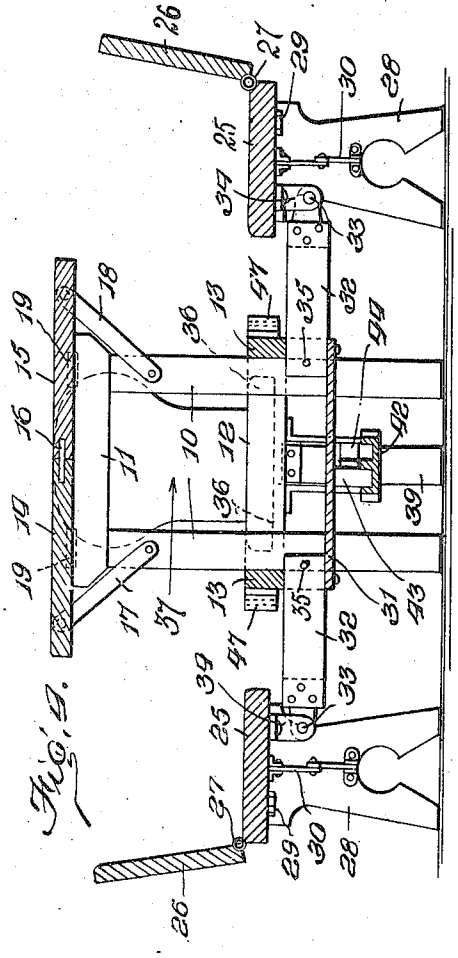


Fig. 4.

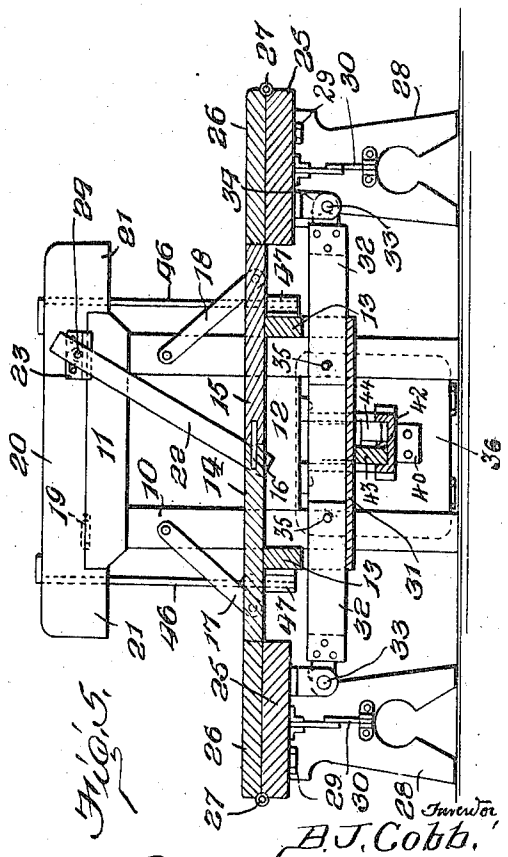


Fig. 5.

Inventor

B. J. Cobb.

By R. B. Lacey.

Attorney

UNITED STATES PATENT OFFICE.

BENJAMIN J. COBB, OF ROME, GEORGIA.

COMBINED BED AND TABLE.

1,233,313. Specification of Letters Patent. Patented July 17, 1917.

Application filed June 27, 1916. Serial No. 106,218.

To all whom it may concern:

Be it known that I, BENJAMIN J. COBB, a citizen of the United States, residing at Rome, in the county of Floyd and State of Georgia, have invented certain new and useful Improvements in Combined Beds and Tables, of which the following is a specification.

This invention relates to improvements in devices which may be readily arranged as a bedstead, a table, a settee, or a couch frame, without detaching or discarding any of the parts, and has for one of its objects to improve the construction and increase the efficiency and utility of devices of this character.

With these and other objects in view, the invention consists in certain novel features of construction, as hereinafter shown and described and then specifically pointed out in the claims; and in the drawings illustrative of the preferred embodiment of the invention—

Figure 1 is a longitudinal sectional elevation of the improved device arranged as a table with the end seats distended;

Fig. 2 is a section on the line 2—2 of Fig. 1 of the foldable end seats and their guides;

Fig. 3 is a view similar to Fig. 1 showing the parts arranged as a bedstead or the like;

Fig. 4 is a transverse section of the device arranged as a table with the side seats distended;

Fig. 5 is a transverse section with the improved device arranged as a bedstead or mattress support;

Fig. 6 is a view similar to Figs. 4 and 5 showing the improved device arranged as a couch;

Fig. 7 is a detail view of the end portion of one of the side seats;

Fig. 8 is a detached detail view of one of the combined arm rests and table top end extensions.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The improved device comprises in general a supporting frame including vertical end members and connecting rails whereby the end members are spaced apart a distance corresponding to the length of an ordinary bedstead. The end members are precisely alike and each includes a vertical body portion preferably formed of side members 10 spaced apart, an upper transverse member 11, and an intermediate transverse member 12. The upper lines of the members 11 are located above the lower ends of the members 10 a distance about equal to the height of an ordinary table top, about thirty inches, while the upper lines of the transverse connecting members 12 are located above the bottom of the members 10 a distance about equal to the seat portion of an ordinary chair. The connecting rails between the ends are represented conventionally at 13 with their upper lines even with the upper lines of the transverse members 12.

The portion of the improved device which forms the table top or body and the portion which forms the main part of the mattress support are comprised in two members 14—15 arranged edge to edge upon the members 11 to form a table top, as shown in Figs. 1 and 4, and likewise arranged edge to edge and resting upon the rails 13 to form a support for the mattress, as shown in Figs. 3 and 5. One of the body members, for instance the member 15 is provided with a plurality of dowel pins 16 which project into suitable sockets in the other body member, as shown in Fig. 4. Any required number of the pins 16 may be employed, but one is shown only for illustration. Radius bars 17—18 are pivoted at their ends, respectively, to the members 10 and to the body members 14—15 and hold the members 14—15 in position upon the supports 11 when employed as a table, and likewise to hold the members 14—15 in position upon the rails 13 when the device is arranged as a mattress support, as shown in Fig. 5. When the body members are arranged as a table top, as shown in Fig. 4, the radius members 17—18 are inclined outwardly and upwardly from the members 10, and when the body members 14—15 are arranged as a mattress support, as shown in Fig. 5, they are reversed in position with the radius members directed downwardly and outwardly from the members 10.

Hingedly united at 19 to the outer upper corners of the supporting members 11 are combined arm supports and table top extensions 20. Each of the members 20 is greater in length than the member 11 to

which it is attached and the portions of each of the members 20 which extend beyond the member 11 is of greater width, as shown at 21, the increased width bearing against the ends of the member 11, as shown in Figs. 5, 6 and 8, when the members 20 are disposed upon the upper faces of the members 11. When in this position the members 20—21 form arm rests or vertical extensions of the end members of the improved device.

By forming the members 20 with extensions 21 recesses are produced between the confronting ends of the extensions 21, and this recess is occupied by a filler member 22 hingedly united at 23 near one end to the member 20. The leaf of the hinge 23 which is attached to the member 20 is provided with the usual holding screws, as shown in Fig. 8, while the other leaf of the hinge 23 is pivoted at 24 to the member 22. By this means the member 22 may be disposed bodily at right angles to the member 20 and then disposed obliquely to the member 20 by turning the member 22 upon its pivot 24 into the position shown in Figs. 3, 5 and 6. When the members 20—21 are turned down at right angles to the members 11, as shown in Figs. 1 and 8, and the filler members 22 disposed in alinement with the members 20 and between the extensions 21, they form extensions to the members 14—15 when the latter are arranged as a table top, as shown in Figs. 1 and 4.

Located at each side of the main frame work of the improved device are seats each comprising a main body portion 25, a back 26 hingedly united at 27 to the seat portion 25 and foldable into superimposed relation therewith, as shown in Figs. 5 and 6, and likewise provided with legs or supports 28 hingedly united at 29 to the seats 25 and thus foldable beneath the seats, as shown in Figs. 6 and 7. Each of the seats is provided with linked braces 30 to hold the legs 28 in distended position and permit them to be folded against the underface of the seat. Supported upon the members 10 below the line of the rails 13 are transverse guide devices 31, and slidable from each side within these guide devices are supporting bars 32, the bars being pivotally connected at 33 to brackets 34 depending from the seats 25. Each of the bars 32 is provided with a stop pin 35 to limit the outward movement of the bars. By this simple arrangement the seats when distended may be moved outwardly until the pins 35 contact with the vertical portions of the guides 31, or in the position shown in Fig. 4, and when the backs 26 and the legs 28 are collapsed or folded, the seats may be disposed in close proximity to the outer faces of the vertical members 10, as shown in Fig. 6. Thus when the improved device is to be arranged as a couch or settee, as shown in Fig. 6, the side seats will be collapsed or folded and arranged in their inward positions, or when not required as seats. As before stated the upper lines of the rails 13 will correspond substantially to the upper lines of the seat portions of an ordinary chair, and the legs 28 of the side seats 25 will be of sufficient length to support the seat portions 25 the same distance above the ground or floor as the rails 13. The backs 26 and the body portions 14—15 will preferably be of uniform thickness, so that when the backs 26 of the side seats are folded down in their lower position the side seats may be moved bodily inwardly until the confronting edges of the members 14—15 and 26 are in contact, as shown in Fig. 5, so that the backs of the side seats form extensions to the members 14—15 when the latter are arranged as a mattress support. When thus arranged the side seats will be moved inwardly a short distance only, as shown.

When the improved device is to be arranged as a couch the side seats will be disposed in their collapsed position and one of the body members, for instance the member 14, will be disposed in horizontal position upon the adjacent member 13 and the other body member 15 disposed in a rearwardly inclined position to form the back rest of a couch, as shown in Fig. 6. When the device is arranged as a bedstead support, as shown in Figs. 3 and 5, the members 20 will be disposed in their vertical position or upon the upper face of the end members 11, and when the device is employed as a couch the members 20 will form arm rests as will be obvious.

End seats are likewise provided for the improved device and each comprises a seat portion 36, a back rest 37 hingedly united at 38 to the seat, and a post or standard 39 rigidly connected at 40 to the seat. Each of the standards 39 is likewise provided with a swinging brace or stay 41, the stay extending normally below the lower line of the standard 39, so that when the standard is disposed in operative position, as shown in Fig. 1, the brace member 41 will engage the ground or floor at its lower end some distance from the standard and thus serve as a brace to the latter.

Supported beneath the rails 13 is a longitudinally directed guide device represented as a whole at 42, and slidably disposed within the guide device are bars 43 similar to the bars 32, and each provided with coupling links 44 which are pivotally united at 45 to the standards 39. The bars 43 are preferably arranged to slide past each other, as illustrated in Fig. 2, and the members 44 are of sufficient length to permit the portion of the standard 39 below the pivot 45 to swing in position between the members 44

when the end seats are collapsed, or disposed in the position shown in Fig. 3. By this means the end seats may be moved outwardly and disposed in vertical position, as shown in Fig. 1 when the improved device is employed as a table, or collapsed and moved into position in close proximity to the outer faces of the end members when the device is arranged as a bedstead or a mattress support or as a couch.

The improved device is simple in construction, can be inexpensively manufactured, mostly of wood, of any approved texture, or partly of wood and partly of metal as may be preferred.

Rods 46 extend through the wider ends 21 of the members 20 and into sockets in the members 14—15 when the latter are arranged as a table top, and the rods are received in sockets 47 on the members 13 when the members 20—21 are arranged as arm rests.

Having thus described the invention, what is claimed as new is:

1. In a device of the class described, ends each including a horizontal upper member, rails connecting said ends and spaced below the upper member, combined extensions and arm rests each having a recess to engage respectively over the upper end members when in one position, a combined filler and brace swingingly connected to each of said extension members and adapted to fill the recess when in one position, body members, and radius bars coupling said body members to said ends, whereby the body members may be arranged edge to edge in alinement with the extensions and arm rests with the combined fillers and braces within the recesses, or the body members reversed in position and arranged edge to edge upon the connecting rails and the combined arm rests and extensions disposed in vertical alinement with the ends and the combined filler and brace members disposed obliquely to the vertical planes of the ends.

2. In a device of the class described, ends each including a horizontal upper member, rails connecting said ends and spaced below the upper member, combined extensions and arm rests each having a recess to engage respectively over the upper end members when in one position, a combined filler and brace swingingly connected to each of said extension members and adapted to fill the recess when in one position, body members, radius bars coupling said body members to said ends, seats movable toward and away from said rails, and a back for each of said seats and foldable upon the same, whereby the body members may be arranged edge to edge in alinement with the extensions and arm rests with the fillers and braces within the recesses, or the body members reversed in position and arranged edge to edge upon the connecting rails and the combined arm rests and extensions disposed in vertical alinement with the ends and the combined filler and brace members disposed obliquely to the vertical planes of the ends, the backs of said seats forming side extensions to the body members when the same are in engagement with the rails.

3. A device of the class described comprising a supporting frame including ends having horizontal upper members and connecting rails intermediate the ends, guide devices carried by said rails, bars slidable in said guide devices, side seats swingingly connected to said bars and movable toward and away from the rails, and body members adapted to be disposed edge to edge in alinement with the upper members of the frame ends when in one position and disposed edge to edge upon the rails when in another position, said seats being adapted to be disposed against the side edges of the body members to form extensions thereof when located upon the rails.

4. In a device of the class described, ends each including a horizontal upper member, rails connecting said ends and spaced below the upper member, combined extensions and arm rests each having a recess to engage respectively over the upper end members when in one position, a combined filler and brace swingingly connected to each of said extension members and adapted to fill the recess when in one position, body members adapted to be disposed edge to edge in alinement with said combined extension and arm rests when in horizontal position and arranged edge to edge upon the rails when in another position with the extension and arm rests disposed in vertical position and the filler member engaging the body members, and seats movable toward and away from the rails and adapted to engage edge to edge with the body members and forming extensions thereof.

5. A device of the class described comprising a supporting frame including ends having horizontal upper members and connecting rails intermediate the ends, body members adapted to be disposed edge to edge in alinement with the upper members of the frame ends when in one position and disposed edge to edge upon the rails when in another position, guides supported by said rails, bars slidable in said guides, and seats swinging upon said bars at their outer ends, whereby the seats are movable toward or away from said rails and adapted to be disposed against the side edges of the body members to form extensions thereof when said members are located upon the rails.

6. A device of the class described comprising a supporting frame including ends having horizontal upper members and connecting rails intermediate the ends, body mem-

bers adapted to be disposed edge to edge in alinement with the upper members of the frame ends when in one position and disposed edge to edge upon the rails when in another position, side seats having foldable legs and movable toward and away from the rails, an end seat including a supporting standard and a folding back, and a combined guide and support swinging from said standard and movably engaging the frame ends, said side seats being adapted to be disposed against the side edges of the body members to form extensions thereof when said members are located upon the rails.

7. A device of the class described comprising a supporting frame including ends and connecting rails intermediate the ends, body members adapted to be disposed edge to edge in alinement with the upper line of the ends when in one position and disposed edge to edge upon the rails when in another position, side seats, and means for adjusting said side seats toward or away from said rails to adapt said seats to be disposed against the side edges of the body members to form extensions thereof when located upon the rails.

8. A device of the class described comprising a supporting frame including ends and connecting rails intermediate the ends, body members adapted to be disposed edge to edge in alinement with the upper line of the ends when in one position and disposed edge to edge upon the rails when in another position, side seats each having a folding back, and means for adjusting said side seats and their folded backs toward or away from said rails to adapt said seats to be disposed against the side edges of the body members with the folded backs in alinement therewith to form extensions of the same when said members are located upon the rails.

In testimony whereof I affix my signature.

BENJAMIN J. COBB. [L. S.]

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."