No. 830,273. PATENTED SEPT. 4, 1906.

T. J. YOUNG.

COMBINATION FURNITURE.

APPLICATION FILED APR. 6, 1906.

2 SHEETS—SHEET 1.

Fig: 1,

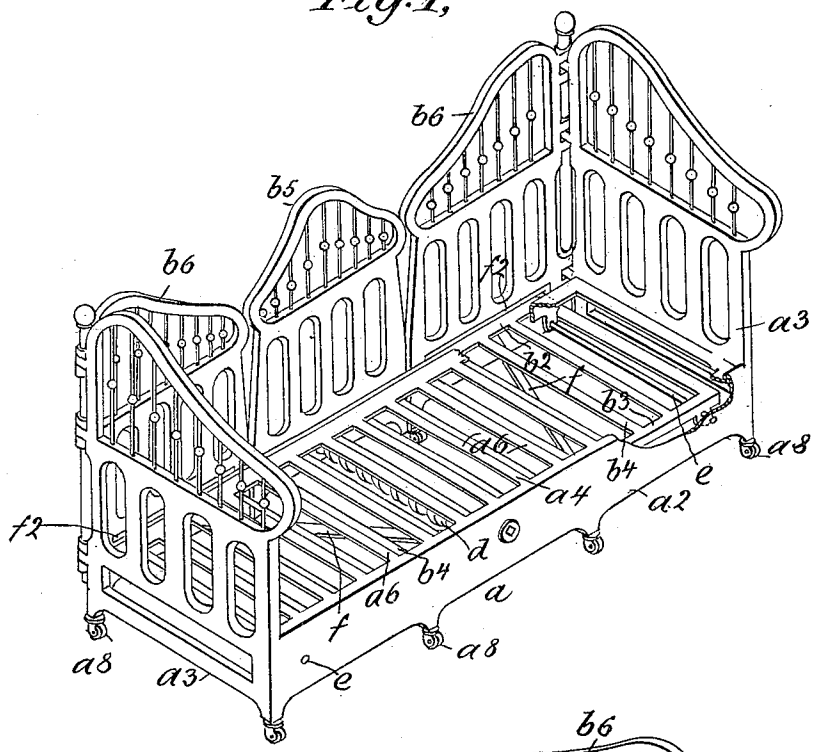
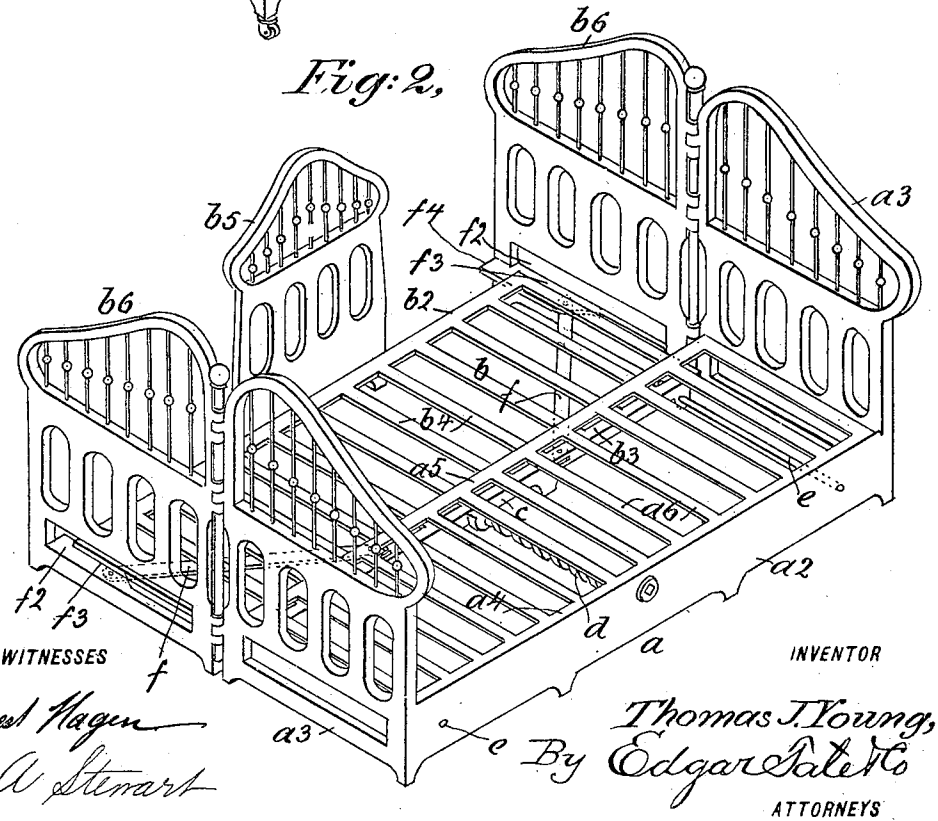


Fig: 2,



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2 SHEETS—SHEET 2.

Fig: 3,

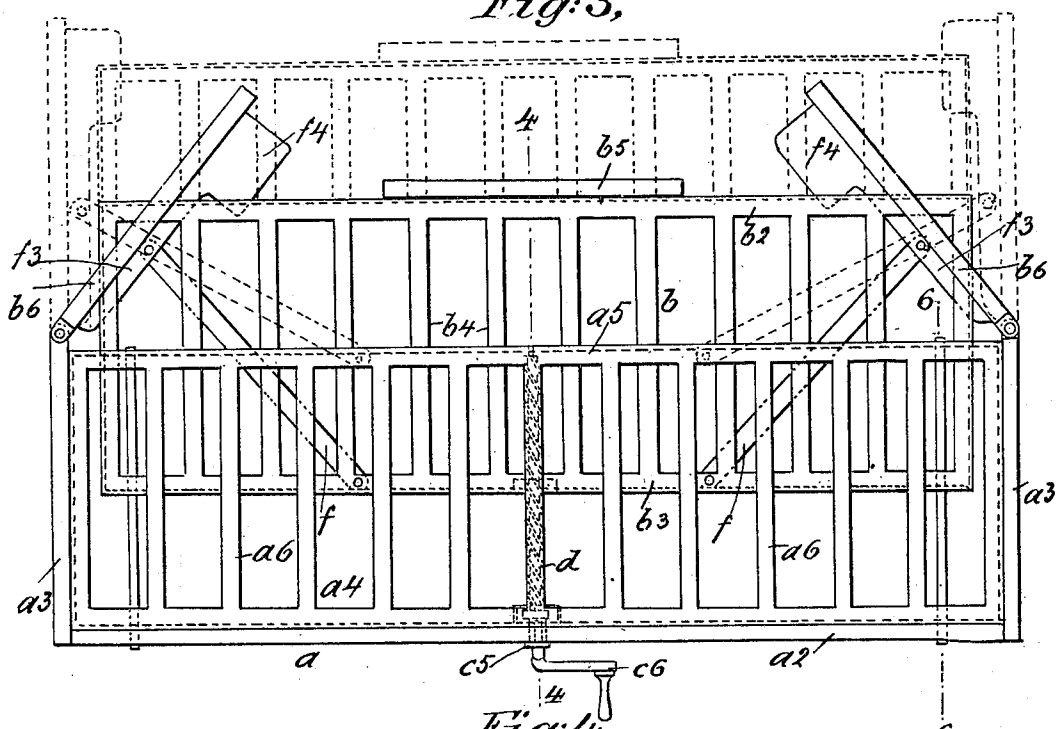


Fig: 4,

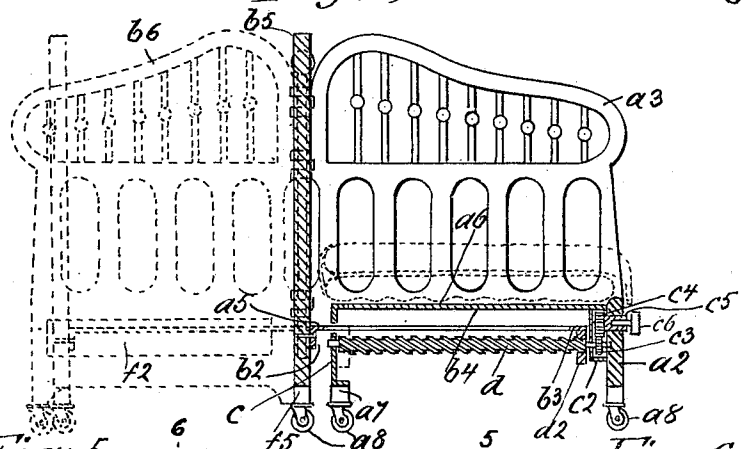


Fig: 5.

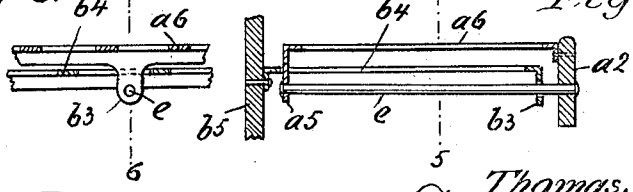


Fig: 6,

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COMBINATION FURNITURE.

No. 830,273. Specification of Letters Patent. Patented Sept. 4, 1906.

Application filed April 6, 1906. Serial No. 310,354.

To all whom it may concern:

Be it known that I, THOMAS J. YOUNG, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Combination Furniture, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to combination articles of furniture, and particularly to devices of this class designed for use both as a couch and bed or as a divan and bed; and the object of the invention is to provide an improved device of this class which in one form constitutes an effective and ornamental couch or divan and in another form a bed, a further object being to provide a combination article of furniture of the class specified which may be quickly and easily changed from one form into another without detaching or replacing any of the parts.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a perspective view showing my improved combination article of furniture in form for use as a couch and showing only the framework, part of which is broken away, the mattress, upholstery, and all other trimmings being removed; Fig. 2, a view similar to Fig. 1, but showing the device in form for use as a bed; Fig. 3, a plan view showing the method of changing the device from one form to another; Fig. 4, a sectional view on the line 4 4 of Fig. 3; Fig. 5, a transverse section on the line 5 5 of Fig. 6, and Fig. 6 a transverse section on the line 6 6 of Fig. 3.

In the practice of my invention, as shown in the drawings, I provide a main frame a, comprising a main longitudinal front member a^2, end members a^3, and a top member a^4, which forms a mattress-support. The top member a^4 of the main frame a comprises a rear longitudinal bar a^5 and transverse strips a^6, and the rear longitudinal bar a^5 is provided centrally with equally-spaced legs a^7, having casters or rollers a^8, and in practice the front member a^2 of the main frame a is also provided with legs having casters or rollers a^8; but the casters or rollers a^8 are only shown in Figs. 1 and 4, and the front member a^2 of the main frame a is also preferably provided centrally thereof with similar casters or rollers a^8, as shown in Fig. 1, and the rear end corners of the main frame are correspondingly provided with casters or rollers, as shown in Fig. 1; but it will be understood that the casters or rollers form no part of this invention and may or may not be employed.

I also provide a supplemental frame b, the general form of which is the same as that of the main frame a, and said supplemental frame b comprises a rear longitudinal bar b^2 and a front longitudinal bar b^3, and said bars are connected in the form of construction shown by cross-strips b^4, and in the form of construction shown the bars b^2 and b^3 are made of angle-iron.

The legs a^7 beneath the central part of the rear bar a^5 of the main frame are connected by a horizontal bar or member c, and mounted transversely of the main frame centrally thereof is a screw d, one end of which has a bearing in the bar c and the other end of which passes into a bearing or support c^2, connected with the front member a^2 of the main frame, and is provided with a small gear or pinion c^3, which meshes in connection with a gear c^4, having a shank c^5, which passes outwardly through the member a^2 of the main frame, and the gear c^4 may be operated at any time by a crank c^6 or similar device.

The front member b^3 of the supplemental frame b is provided with a nut or thickened portion d^2, through which the screw d passes, and by means of the crank c^6 the screw d may be turned and the supplemental frame b may be forced backwardly, as shown in Fig. 3, or drawn inwardly beneath or into the main frame a.

The supplemental frame b is provided centrally with an upright or back member b^5, and hinged to the rear edges of the end members a^3 of the main frame a are supplemental end members b^6, which, together with the part b^5, form the back of the couch or divan when the parts of the device are in the position shown in Fig. 1 and, together with the parts a^3, form the head and foot boards of a bed when the parts of the device are in the position shown in Fig. 2.

The main frame a is provided near each end with a rod e, and these rods e are firmly secured in the front member a^2 and back bar a^5 of said frame, as clearly shown in Fig. 6, and the rods e also pass loosely through the

front bar b^3 of the supplemental frame b, as shown in Fig. 6, and the rods e form guides and supports for the supplemental frame in the movement or adjustment of said supplemental frame, as above described.

Pivotally connected with the front bar or member b^3 of the supplemental frame b, and at the opposite sides of the central portion thereof and at the opposite sides of the screw d, are link members f, which are pivotally connected with the supplemental end members b^6, and said supplemental end members are provided in the bottom portions thereof with horizontal slots or openings f^2 and inwardly of said slots or openings with inwardly-directed flanges f^3, to which the link members f are pivoted, and said flanges f^3 are provided at their outer ends with steps f^4, and in the operation of moving the supplemental frame b backwardly, as hereinbefore described, the outer corners thereof pass through the slots or openings f^2 in the end members b^5, and when the parts are fully extended, as shown in Fig. 2, the outer rear corners of the supplemental frame b rest on the steps f^4, which constitute a support for the said corners of the supplemental frame, and the central back portion of the supplemental frame, with which the back member b^5 is connected, is also preferably provided with legs and casters or rollers f^5, as are also the corners of the supplemental end members b^6.

That part of the front bar or member b^3 of the supplemental frame b through which the screw d passes, as shown in Fig. 4, may be made of any desired thickness, and with the herein-described construction it will be apparent that by turning the screw d by means of the crank c^6 or in any other way, the main frame a and supplemental frame b may be telescoped one within the other, as shown in Fig. 1, or said frames may be extended, as shown in Fig. 2, and when the parts are extended, as shown in Fig. 2, the supplemental frame members b^6 swing outwardly and form a part of the head and foot boards of a bed; but when the parts of the device are moved into the position shown in Fig. 1, the supplemental end members b^6 swing inwardly and form a part of a divan or couch, the central back member b^5, permanently connected with the supplemental frame b, forming the central portion of said back. It will also be seen that when the supplemental end members b^6 are in the position shown in Fig. 2 they form partial supports for the supplemental frame b and in the operation of moving the supplemental frame b into its various positions the outer end corners thereof pass through the slots or openings f^2 in the end members b^6.

I also provide in practice a mattress composed of separate longitudinal members connected centrally and adapted to be folded and placed on the main frame when the parts are in the position shown in Fig. 1 and extended or unfolded to cover both of the frames a and b when the parts are in the position shown in Fig. 2 and adapted to serve as a bed, and it will also be apparent that both the end members a^3 of the main frame and the supplemental end members b^6 of the supplemental frame b, together with the stationary back member b^5 of the supplemental frame, may all be upholstered or otherwise trimmed or ornamented, if desired.

My invention is not limited to the details of the construction of the various parts herein shown and described, and various changes therein and modifications thereof may be made without departing from the spirit of my invention or sacrificing its advantages, and I reserve the right to make all such alterations and modifications thereof as fairly come within the scope of the invention.

In the form of construction shown it will be seen that by means of the screw d the supplemental frame b is telescoped into the main frame a or projected therefrom; but this arrangement of the frames may, as will be understood, be reversed and the supplemental frame b, which when the parts are in the position to serve as a bed constitutes the back frame or member, may remain stationary and the main frame a may be projected forwardly, and in practice one of said frames may be mounted above or below the other and be adapted to be moved outwardly or backwardly, as may be desired.

In the construction shown if the device is placed against a wall it must be pulled out from the wall before the supplemental frame b can be moved backwardly into the position shown in Fig. 2, as a space must be provided between the device and the wall to permit of the swinging of the end members b^6 and of the backward movement of the supplemental frame b; but, as above stated, the parts of the device may be so arranged that the frame a may be projected forwardly when desired, in which event the article of furniture might be placed against a wall and changed from one form of device into another without removing the same from the wall.

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

1. A combination couch and bed, comprising main and supplemental frames adapted to be telescoped one within the other, the main frame being provided with stationary end members and the supplemental frame being provided with supplemental end members hinged to the end members of the main frame, said supplemental end members being provided with horizontal slots or openings through which the supplemental frame passes in the changing of the parts from one form to

another, said supplemental end members being also provided with steps or supports for the supplemental frame, substantially as shown and described.

2. A combination article of furniture adapted to serve both as a bed and couch, comprising main and supplemental frames telescopically and slidably connected, means for extending the supplemental frame and for returning it to its telescoped position, the supplemental frame being provided with a central stationary back member and the main frame with stationary end members, supplemental end members hinged to the stationary end members of the main frame and adapted in one position to support the supplemental frame and to form complete head and foot boards for a bed, and in another position to form in connection with the stationary back member of the supplemental frame the back of a couch.

3. A combination article of furniture adapted to serve both as a bed and couch, comprising a main frame and a supplemental frame telescopically connected, a screw mounted transversely in the main frame and passing through a nut member connected with the supplemental frame and the turning of which will telescope or extend the supplemental frame according to the direction in which said screw is turned, said main frame being also provided with transversely-arranged rods and the supplemental frame with members through which said rods pass.

4. A combination article of furniture adapted to serve both as a bed and couch, comprising a main frame and a supplemental frame telescopically connected, a screw mounted transversely in the main frame and passing through a nut member connected with the supplemental frame and the turning of which will telescope or extend the supplemental frame according to the direction in which said screw is turned, said main frame being also provided with transversely-arranged rods and the supplemental frame with members through which said rods pass, said main frame being also provided with stationary end members and with supplemental end members hinged thereto which form end members for the supplemental frame when the latter is extended and also a support for said frame.

5. A combination article of furniture adapted to serve both as a bed and couch, comprising a main frame and a supplemental frame telescopically connected, a screw mounted transversely in the main frame and passing through a nut member connected with the supplemental frame and the turning of which will telescope or extend the supplemental frame according to the direction in which said screw is turned, said main frame being also provided with transversely-arranged rods and the supplemental frame with members through which said rods pass, said main frame being also provided with stationary end members and with supplemental end members hinged thereto which form end members for the supplemental frame when the latter is extended and also a support for said frame, and which when the said frames are telescoped form a partial back for a couch.

6. A combination article of furniture comprising main and supplemental frames telescopically connected, means for projecting one of said frames or telescope it within the other, stationary end members connected with the main frame, supplemental end members hinged to the stationary end members, and link members pivoted to the main frame and to the supplemental end members, said supplemental end members being also provided with slots or openings through which the corners of the supplemental frame pass in the operation of extending said supplemental frame and with supports for said supplemental frame when extended.

7. A combination article of furniture comprising main and supplemental frames telescopically connected, means for projecting one of said frames or telescope it within the other, stationary end members connected with the main frame, supplemental end members hinged to the stationary end members, and link members pivoted to the main frame and to the supplemental end members, said supplemental end members being also provided with slots or openings through which the corners of the supplemental frame pass in the operation of extending said supplemental frame and with supports for said supplemental frame when extended, said supplemental frame being also provided with a central stationary back member, and said supplemental end members being adapted when the frames are telescoped together to form in connection with the stationary back member the back of a couch.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 5th day of April, 1906.

THOMAS J. YOUNG.

Witnesses:

EMERSON W. QUICK,

F. A. STEWART.