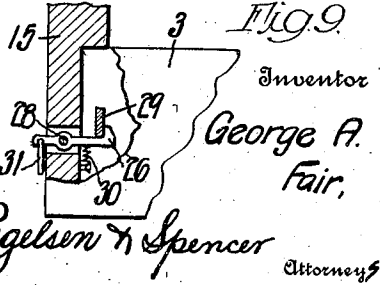
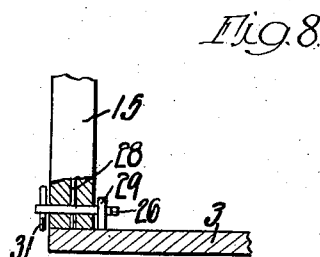
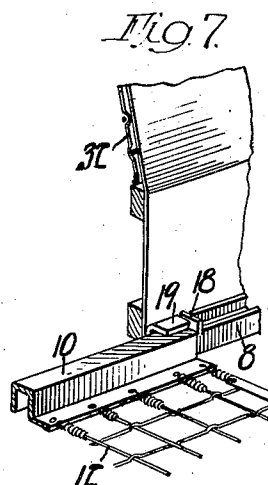
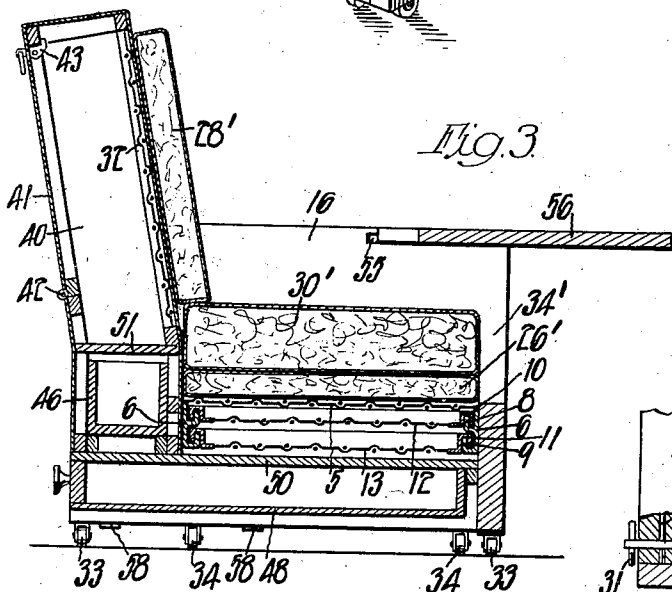
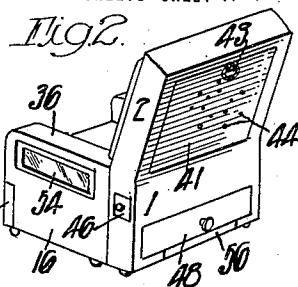
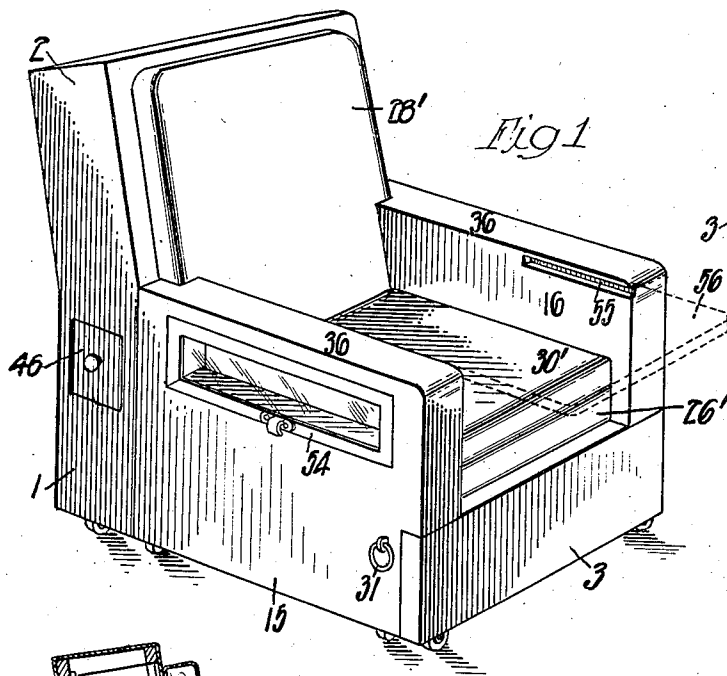


1,325,630.

G. A. FAIR.
CHAIR BED.
APPLICATION FILED MAY 29, 1916.

Patented Dec. 23, 1919.
2 SHEETS—SHEET 1.



Witness
E. R. Barrett

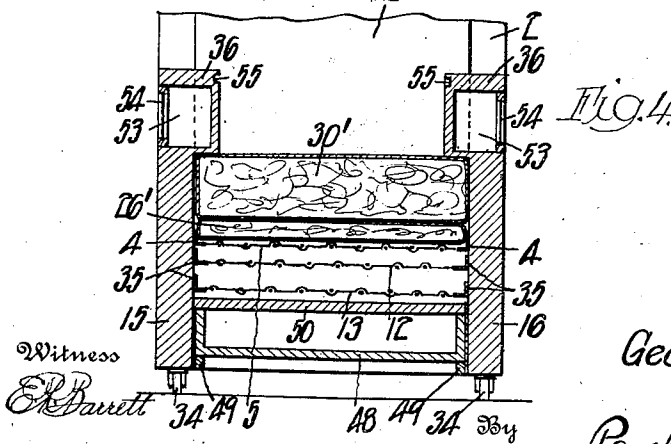
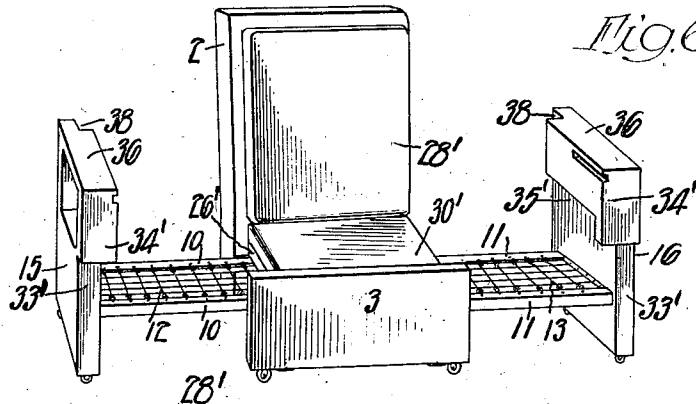
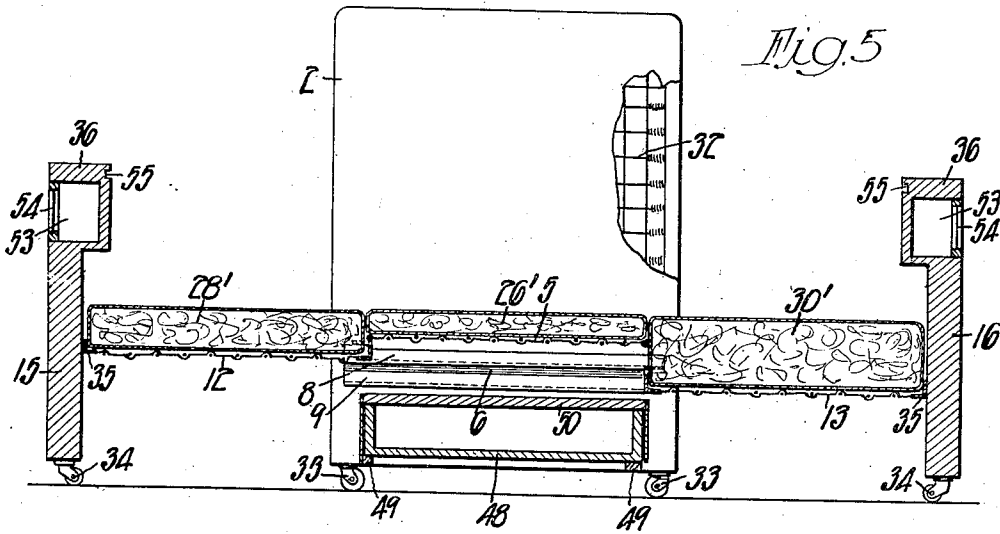
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UNITED STATES PATENT OFFICE.

GEORGE A. FAIR, OF DETROIT, MICHIGAN.

CHAIR-BED.

1,325,630.

Specification of Letters Patent.

Patented Dec. 23, 1919.

Application filed May 29, 1916. Serial No. 100,431.

To all whom it may concern:

Be it known that I, GEORGE A. FAIR, a citizen of the United States, and residing at Detroit, in the county of Wayne and State of Michigan, have invented a new and Improved Chair-Bed, of which the following is a specification.

The present invention has reference to an article of furniture designed primarily as a chair, but also convertible at will into a bed; and it consists in a chair provided with arm sections which may be pulled out laterally from the seat to afford, together with the seat, a bed bottom; in interchangeable cushions adapted to form the sections of the mattress and also adapted to constitute the necessary upholstery for the chair; in combined chair arm sections and end sections for the bed having cases formed therein for the reception of books; also a device of the nature stated including a chair back in which pockets or drawers are formed for the reception of bedding, sewing and the like. The invention further consists in the details of construction shown, described and claimed.

In the drawings, Figure 1 is a front perspective view showing the device in position to be used as a chair. Fig. 2 is a similar view taken from the rear. Fig. 3 is a central longitudinal vertical section corresponding to Fig. 1. Fig. 4 is a vertical transverse section. Fig. 5 is a vertical transverse section, the parts being arranged to form a bed. Fig. 6 is a front perspective view corresponding thereto. Fig. 7 is a fragmentary perspective view showing details of the extension mechanism. Fig. 8 is a plan view, parts being broken away, showing the latch whereby the side section is secured to the front. Fig. 9 is a front elevation corresponding to Fig. 8.

The device comprises a main frame 1 of suitable construction, including an upward extension 2 that forms the framework of the back of the chair; this frame also comprises the front 3 which may be joined to the back by angle irons 4 (Fig. 4) or other suitable members, between which the springs 5 extend. Mounted on the rear side of the front and on the front side of the back are guide plates 6 (Figs. 3 and 7) which have upper flanges 8 and lower flanges 9. These plates constitute guides for the upper side bars 10 and the lower side bars 11, the members of each pair of which are joined, re-

spectively, by springs 12 and 13. One pair of the side bars is rigidly secured in any suitable manner to an arm section 15 and the other to the opposite arm section 16, which may be drawn out as indicated in Fig. 6. For the purpose of limiting this movement, stops 18 are formed on the corresponding side bars and arranged to contact with stops 19 on the guides, it being understood that the arm sections may be readily detached from the main section when they are extended by simply tilting them upwardly until the stops 18 clear or pass under the stops 19. The parts are retained in chair-forming position by a latch 26 (Figs. 8 and 9) pivoted on the arm section at 28 and thrust into the path of a striker plate 29 (carried on the front section) by a spring 30. A ring or hand grip 31, pivoted in the outer end of the latch, normally hangs down in parallel relation to the side of the chair, and this affords clearance for door jambs and the like. It will, of course, be apparent that other forms of both stop and latch mechanism may be employed. For convenience the main section is mounted on casters 33 and the arm sections are mounted on casters 34; also, the ends of the pairs of side bars 10 and 11 may be joined and stiffened by angle irons 35 (Fig. 4).

When the arm sections are extended (Fig. 5), the space above the springs 5 is filled by a cushion 26'; that above the springs 12 by a cushion 28' of greater thickness; and that above the springs 13 by a cushion 30' of still greater thickness, thus forming, in effect, a mattress having its upper surface in the same plane throughout. The upper surfaces of the sections of the mattress are preferably of the same area and shape; and the front side of the back frame 2 is provided with springs 32 against which one of the cushions, for example, the cushion 28', may rest when the arms are in chair-forming position. The other cushion (in this instance the cushion 30') is then placed on top of the cushion 26'. It will be understood, however, that in some instances the parts will be so proportioned that the cushion 30' will be used as upholstery for the back, in which case the cushion 28' would replace it in the seat of the chair.

It will be noticed that the front piece 3 extends laterally somewhat beyond the edge of the springs 5 and therefore over-

laps the lower portions 33' of the front edge of the arm sections when the latter are in chair-forming position. The upper portions 34' of the arm sections project forwardly from the portion 33' and fit over the ends of the front piece, thus giving a massive effect, as shown in Fig. 1 and at the same time, they conceal the side edges of the cushions 26' and 30' which are received in a pocket 35' behind the portions 34' and below the arm rests 36. It will also be seen that the rear ends of the arm rests are notched at 38 on their inner faces (Fig. 6) to receive the side edges of the cushion 28' (Fig. 1). In this manner the cushions are positively held in place and a pleasing appearance is insured.

The back frame 2 is made hollow to form a compartment 40 (Fig. 3) wherein bedding may be stored; this compartment may be closed by a door 41 hinged at 42 and held in place by suitable latch mechanism 43. As indicated in Fig. 2, the door may be perforated at 44 for ventilating purposes. Below the compartment 40 the main frame is provided with alined transversely slidable drawers 46 (for sewing or the like), one on each side, each preferably of a length equal to substantially half the width of the chair; and beneath the drawers is a longitudinally slidable tray or drawer 48 which may slide on guides 49 in an obvious manner. A dividing board 51 separates the compartment 40 from that in which the drawers 46 slide, while a board 50 serves a like function with reference to the latter and the drawer 48 and at the same time prevents dust which might collect on the springs from dropping into the drawer.

The arm rests 36, being massive, are made to form book cases 53 which may be provided with glass doors 54 pivoted along their upper edges. Also the inner faces of the arm rests may be grooved at 55 to receive the detachable reading table or drawing board 56 that is normally preferably supported on slides 58 below the drawer 48.

The details of construction may obviously be changed within wide limits without departing from the spirit of my invention; I do not, therefore, wish to be limited otherwise than as indicated by the subjoined claims.

I claim:—

1. An article of furniture comprising a main section forming the seat and back of a chair and also forming an intermediate section of a bed bottom, guides carried by and extending transversely across the seat portion of the main section below the upper surface of the intermediate section of the bed bottom, said guides being located at two different levels, arm sections slidable transversely of the main section in opposite directions from chair-forming positions in

which they afford arm rests for the chair to bed-forming positions in which they constitute end sections of the bed bottom, one of said arm sections coöperating with the guides at the upper level and the other arm section coöperating with the guides at the lower level, and three cushions each equal in thickness to the distance of a corresponding section of the bed bottom from a given horizontal plane and each forming a mattress element for the corresponding section, one of the cushions for the end sections being adapted to fit the chair back to form upholstery therefor.

2. An article of furniture comprising a main section forming the seat and back of a chair and also forming an intermediate section of a bed bottom, arm sections slidable transversely of the main section in opposite directions from chair forming position in which they afford arm rests for the chair to bed-forming positions in which they constitute end sections of the bed bottom, said main portion and said end portions each embodying horizontal springs which are positioned in three different levels, and three cushions, each substantially equal in thickness to the distance of the spring of a corresponding section of the bed bottom from a given horizontal plane and each forming a mattress element for the corresponding section, one of the cushions for the end sections being adapted to fit the chair back to form upholstery therefor.

3. An article of furniture comprising a main section including a seat and a back of a chair and also forming an intermediate section of a bed bottom, arm sections slidable transversely of the main section in opposite directions from chair forming positions in which they afford arm rests for the chair to bed forming positions in which they constitute end sections of the bed bottom, cushions whereby either the upholstery of the chair or a mattress for the bed is formed, said arm sections having inwardly projecting upper portions that conform to and lie closely over the side edges of one of the cushions when the arm sections are in the position first named, said arm sections also including inwardly and downwardly projecting front portions whereby the side portions of the front face of said cushion are concealed.

4. An article of furniture comprising a main section including a seat and a back of a chair and also forming an intermediate section of a bed bottom, arm sections slidable transversely of the main section in opposite directions from chair forming positions in which they afford arm rests for the chair to bed forming positions in which they constitute end sections of the bed bottom, cushions whereby either the upholstery of the chair or a mattress for the bed is

formed, said arm sections also including inwardly and downwardly projecting front portions whereby the side portions of the front face of said cushion are concealed.

- 5 5. An article of furniture comprising a main section including a seat and a back of a chair and also forming an intermediate section of a bed bottom, arm sections slidable transversely of the main sections in opposite directions from chair forming positions in which they afford arm rests for the
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chair to bed forming positions in which they constitute end sections of the bed bottom, cushions whereby either the upholstering of the chair or a mattress for the bed is 15 formed, said arm sections having notches formed in their rear ends wherein a side edge portion of the upholstering for the chair is received when the arm sections are in the position first named.

GEORGE A. FAIR.