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2,022,603

CONVERTIBLE ARTICLE OF FURNITURE

Filed May 6, 1935

2 Sheets-Sheet 1

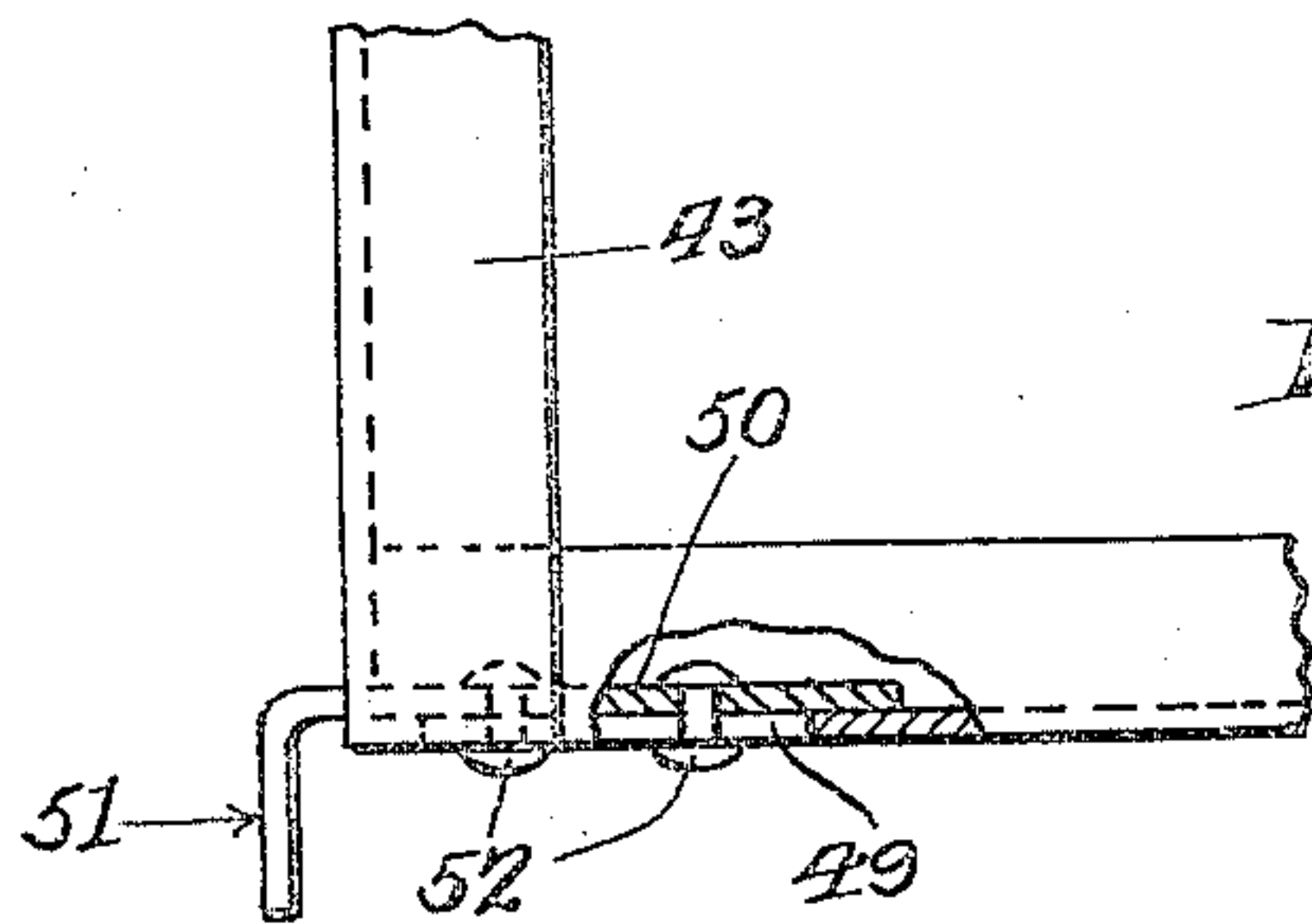
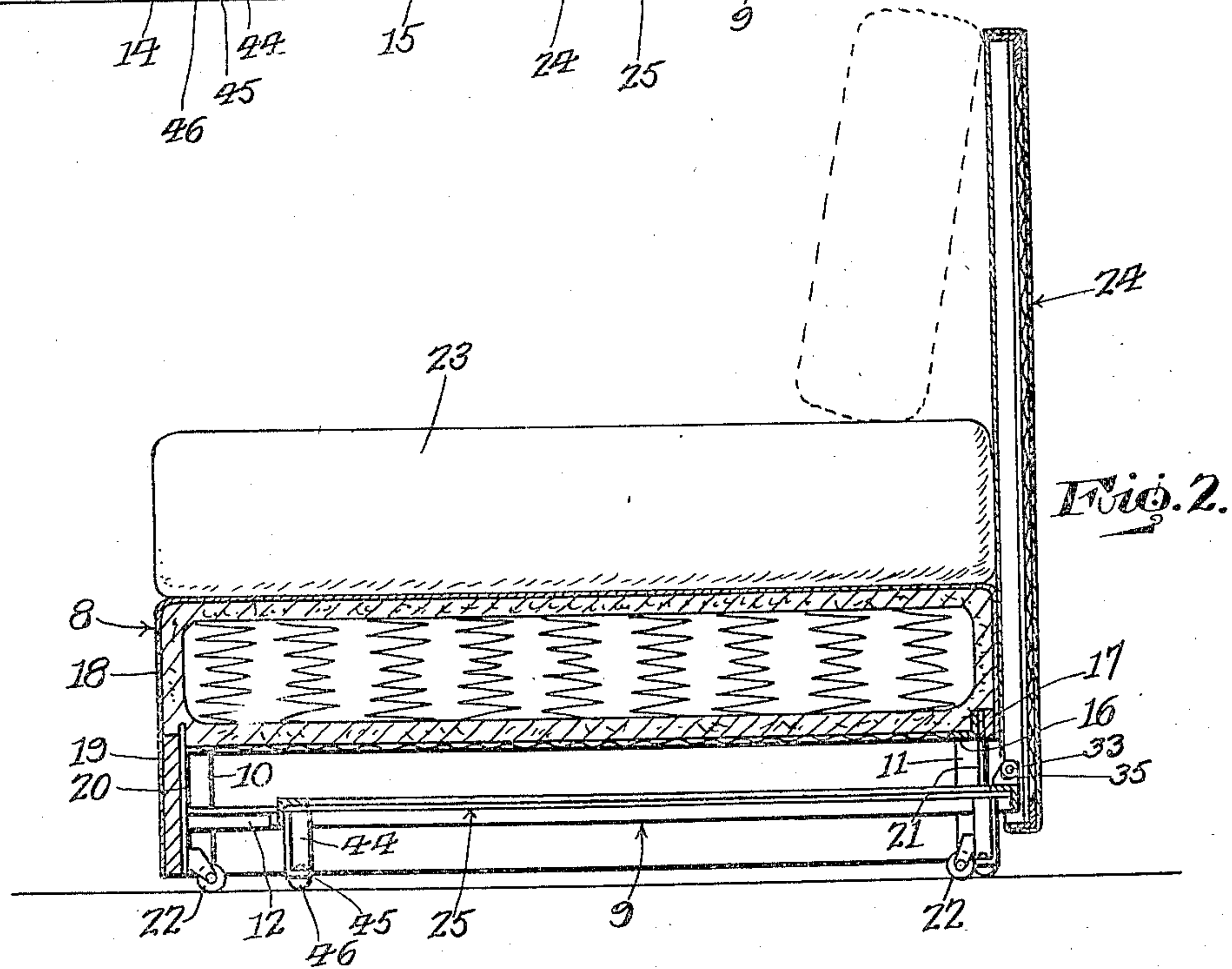
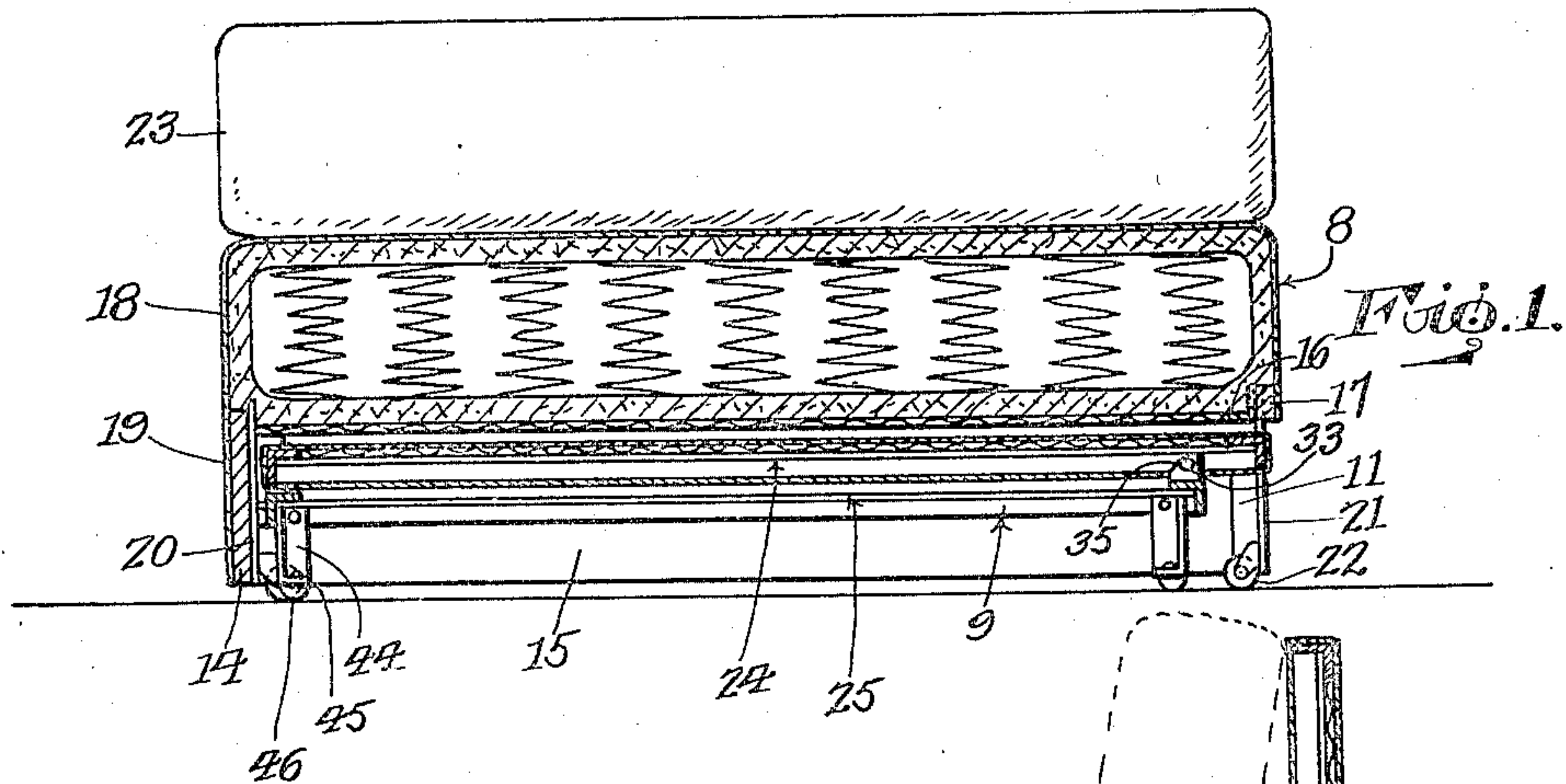


Fig. 4.

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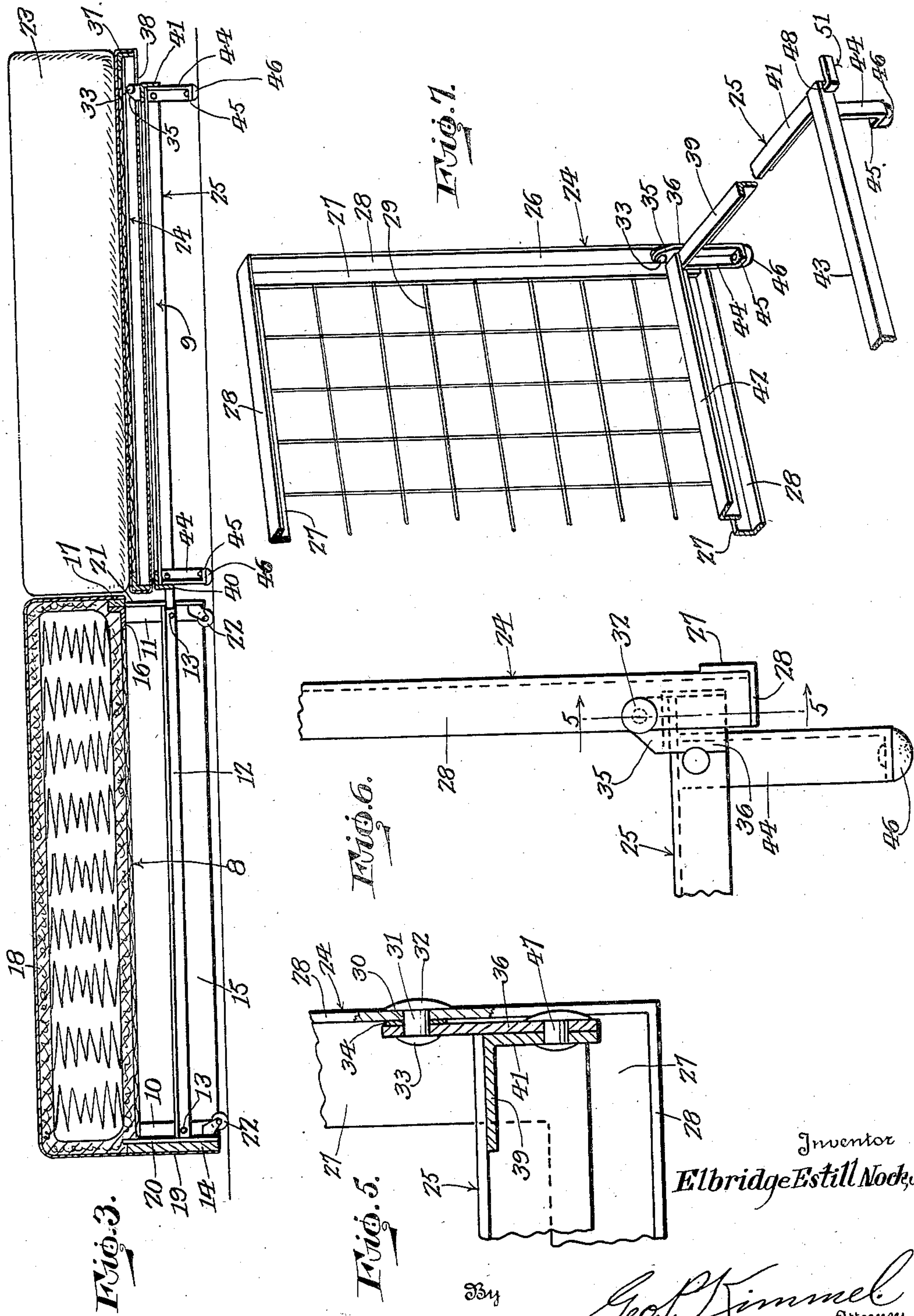
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CONVERTIBLE ARTICLE OF FURNITURE

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2 Sheets-Sheet 2



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CONVERTIBLE ARTICLE OF FURNITURE

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2 Claims. (Cl. 5—44)

This invention relates to a convertible article of furniture and has for its object to provide, in a manner as hereinafter set forth, an article of the class referred to capable of being converted from a couch into a davenport or a twin bed.

A further object of the invention is to provide, in a manner as hereinafter set forth, a foldable and extendible structure having the elements thereof so formed and arranged relatively to each other to enable it to be selectively used as a couch, a davenport or a twin bed when desired.

Further objects of the invention are to provide, in a manner as hereinafter set forth, a foldable and extendible article of furniture for the purpose referred to which is comparatively simple in its construction and arrangement, strong, durable, compact when in non-extended position, conveniently extended and folded, pleasing in appearance and comparatively inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists of such parts as are hereinafter more specifically described and as are illustrated in the accompanying drawings, wherein is shown the preferred embodiment of the invention, but it is to be understood that changes, variations and modifications may be resorted to which fall within the scope of the invention as claimed.

In the drawings:

Figure 1 is a transverse sectional view of the structure when arranged in the form of a couch,

Figure 2 is a transverse sectional view of the structure when arranged in the form of a davenport,

Figure 3 is a transverse sectional view of the structure when arranged in the form of a twin bed,

Figure 4 is a fragmentary view in sectional plan of the extendible and foldable element of the structure,

Figure 5 is a fragmentary sectional view on line 5—5, Figure 6,

Figure 6 is a fragmentary view in elevation of the extendible and foldable element when functioning as the back of a davenport, and

Figure 7 is a fragmentary view in perspective of the extendible and foldable element when functioning as the back of a davenport and with the cover of the foldable section of said element omitted.

The structure includes a non-extendible element 8 and an extendible and foldable element 9 normally housed by the element 8. The latter is of couch-like form and when element 9 is

housed therein the structure provides a couch. The element 9, when completely extended from element 8, provides a bed bottom for one half of a twin bed. The element 9 is formed of a lower supporting section and an upper section normally mounted in superimposed relation with respect to and capable of being extended from and folded relative to the lower section. The upper section is pivotally connected to and capable of being shifted upwardly from the lower section against the rear of, and in connection with section 8 forming a davenport when the lower section is housed in element 8 and the upper section is in upstanding position.

The element 8 is of rectangular contour and includes a pair of spaced parallel oppositely disposed front corner posts or legs 10 of angle form, only one of the posts 10 is shown, and a pair of spaced parallel oppositely disposed rear corner posts 11 of angle form, only one of the posts 11 is shown. The posts 10 and 11 align with each other. A post 10 is connected to a post 11 by a brace bar 12 of angle form. The holdfast means for anchoring bar 12 to a post 10 and a post 11 is indicated at 13. Secured to the front of the posts 10 is a front frame member 14, preferably of wood. Secured to the sides of the posts 10 and 11 are side frame members 15 of wood, only one of which is shown. The members 14, 15 have their tops arranged below the upper ends of the posts 10, 11. Extending from one of the posts 11 to the other is a combined brace and supporting bar 16 of angle form. The bar abuts the inner faces of, is flush with the upper ends of and has its ends suitably secured to posts 11. The outer face of bar 16 has secured thereto a wooden strip 17. Seated upon the members 14, 15, bar 16, strip 17 and against the upper end of the front, side and inner faces of the posts 10, 11 is the lower portion of a mattress 18. Concealing the latter, as well as extending throughout the outer faces of and secured to members 14, 15 and strip 17 is a cover 19. The lower ends of members 14, 15 are flush with the lower ends of the corner posts. The flanges 20, 21 of the posts 10, 11 respectively have anchored thereto casters 22. The flanges 21 of posts 11 constitute stops for a purpose to be referred to. A removable mattress or pad 23 is arranged on mattress 18.

The upper and lower sections of element 9 are designated 24, 25 respectively. The section 24 is of greater width and length than section 25, but seats on the latter when not extended. The section 24 consists of a rectangular frame 26 having its body of angle shape cross section to

provide the front, rear and sides of the frame with horizontal, front, rear and side flanges 27 and vertical front, rear and side flanges 28. The flanges 27 extend inwardly from the upper ends of the flanges 28. Attached to the front, rear and side horizontal flanges 27 is a reticulated resilient support 29. Each of the side vertical flanges 28 of the frame 26, forwardly of the rear end of the latter has an opening 30 in which is mounted a pivot 31 formed with heads 32, 33 at its ends. Each pivot 31 extends inwardly from a vertical side flange 28 and carries a washer 34 opposing the inner face of such flange. Loosely mounted on the pivots 31, between heads 33 and washers 34, are the tapered end portions 35 of hinge members 36. The frame 26 is enclosed by a cover 37. The members 36 extend through the cover 37, as at 38.

The section 25 consists of a rectangular frame 39 formed of a pair of side bars 40, 41 and a rear and a front bar 42, 43 respectively. The bars are of angle contour to provide them with horizontal and vertical legs. Depending from and secured to the front and rear bar of frame 26, in proximity to each end of the latter, is an upright 44 of angle form having its lower end provided with an inwardly extending flange 45 which carries a foot piece 46 of cushioning material. The rear ends of the outer faces of the vertical legs of the side bars oppose the lower portion of the inner faces of and have upstanding hinge members 36 fixedly secured thereto by rivets 47. The horizontal legs of the front and rear bars are seated at their ends upon the ends of the horizontal legs of the side bars. The vertical leg of the front bar 43, at each end thereof, is formed with a cutout 48. The vertical leg of the forward side bar, in proximity to each end thereof, is formed with a slot 49. Extending through each cutout 48 is the elongated leg 50 of an L-shaped coupling member 51. The leg 50 is slidably connected to a side bar by headed pins 52 which are slidably mounted in slot 49. The coupling members 51 coact with the flanges 21 of the posts 11 to prevent the separation of the element 9 from element 8 when element 9 is extended to the position shown in Figure 3.

The hinge members 36 permit the section 24 to be moved to the position shown in Figure 2 to provide the back for the davenport when section 25 is housed in element 8. The pivots 31 and members 36 constitute supporting means for the rear portion of section 24 when the sections 24, 25 are superimposed.

The mattress 18 is used as one half and the mattress 23 is used as the other half of the twin bed when the structure is converted into a

twin bed such as shown in Figure 3. The mattresses 18 and 23 are arranged in superimposed relation when the structure is employed as a couch such as shown in Figure 1 or as a davenport such as shown in Figure 2.

What I claim is:

1. In a convertible article of furniture, a selectable bed bottom and davenport back forming element consisting of a slidable lower frame having depending supports, an upper frame normally superimposed upon and of greater width and length than said other frame, a resilient structure arranged within and secured to said upper frame, each of said frames having its body of angle-shaped cross-section to form vertical and horizontal parts, a vertical part of the upper frame seating upon a horizontal part of the lower frame, said frames, when in superimposed relation, constituting a bed bottom, an upstanding hinge member fixed at its lower end to one end of the outer face of each side of the lower frame, means extending inwardly from each side of the upper frame forwardly of the rear end of the latter for pivotally connecting said members to and within the upper frame whereby the latter may be extended upwardly from the rear end of and folded to seat upon the lower frame, said upper frame, when extended upwardly, constituting the back of a davenport.

2. In a convertible article of furniture, a selectable bed bottom and a davenport back forming element consisting of a slidable lower frame having depending supports, an upper frame normally superimposed upon and of greater width and length than said other frame, a resilient structure arranged within and secured to said upper frame, each of said frames having its body of angle-shaped cross-section to form vertical and horizontal parts, a vertical part of the upper frame seating upon a horizontal part of the lower frame, said frames, when in superimposed relation, constituting a bed bottom, an upstanding hinge member fixed at its lower end to one end of the outer face of each side of the lower frame, means extending inwardly from each side of the upper frame forwardly of the rear end of the latter for pivotally connecting said members to and within the upper frame whereby the latter may be extended upwardly from the rear end of and folded to seat upon the lower frame, said upper frame, when extended upwardly, constituting the back of a davenport, and a cover encompassing said upper frame, said members being extended through the bottom of said cover.

ELBRIDGE E. NOCK, JR.