

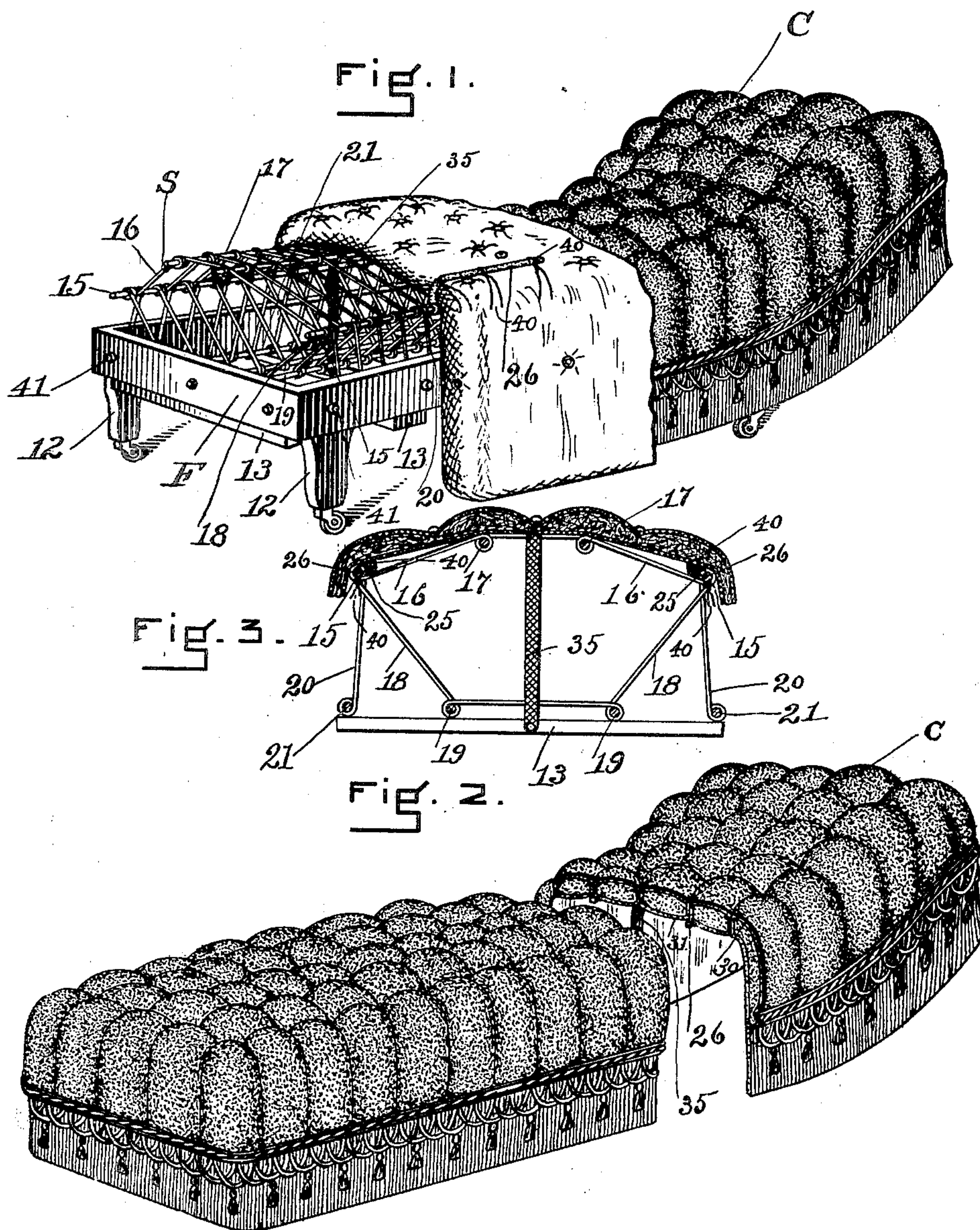
No. 649,780.

W. VOGLER.
COUCH.

Patented May 15, 1900.

(Application filed Aug. 18, 1899.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM VOGLER, OF SOMERVILLE, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO GEORGE N. PHELPS, OF BOSTON, MASSACHUSETTS.

COUCH.

SPECIFICATION forming part of Letters Patent No. 649,780, dated May 15, 1900.

Application filed August 18, 1899. Serial No. 727,680. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM VOGLER, of Somerville, county of Middlesex, State of Massachusetts, have invented an Improvement in Couches, of which the following description, in connection with the accompanying drawings, is a specification, like letters and numerals on the drawings representing like parts.

This invention relates to couches; and the object of the invention is to provide an improved device of this kind having a frame and a cover of suitable nature detachably secured in place, by reason of which the cover can be removed for the purpose of cleaning the same or shaking it or to obtain access to the inside of the frame and to any spring structure that may be supported thereby.

In the construction illustrated in the drawings and hereinafter described the couch consists of a frame, a spring structure supported thereby and having seats at its opposite sides, and a cover for the couch having ribs extended longitudinally thereof and fitted in or against said seats, this construction serving to prevent the cover being moved sidewise by a person lying upon the couch.

While under ordinary circumstances the organization above specified will serve to secure the cover properly in place, still I do not always rely upon the same, but employ certain auxiliary fastening instrumentalities connecting the cover with the spring structure and also with the frame.

In the drawings, Figure 1 is a perspective view of a couch provided with my improvements in the preferred embodiment thereof and with the foot end of the cover rolled back to show the spring structure and the means for securing the cover to said spring structure and the framing. Fig. 2 is a similar view on a slightly-larger scale, showing the covering detached; and Fig. 3 is a transverse section showing the spring structure, the covering thereon, and a portion of the framing.

In the drawings, Fig. 1, I have represented a frame, as F, which may be of wood, metal, or like material and rectangular, as common in this class of devices, and said frame is provided at its corners with depending legs, as 12, equipped with the usual casters, by which the couch or lounge can be rolled from place

to place. Said frame is strengthened transversely by the cross-pieces or slats 13, secured at suitable intervals along the same and fastened at their ends to the parallel side pieces of the frame.

The frame F is adapted to support a spring structure, designated in a general way by S. The spring structure illustrated is shown including in its make-up what might be termed the "side bars" 15, disposed in parallelism and running the entire length of the couch. A series of spring members 16 are coiled at their opposite ends around the side bars 15, and they are spaced at substantially close intervals along the couch, and they have intermediate coils located in a plane above the end coils thereof and adapted to receive the intermediate and parallel top bars 17, disposed in horizontal alinement. The downwardly-disposed spring members 18 have coils at their ends adapted to receive the side bars 15, and they have intermediate said end coils middle coils to receive the parallel bars or rods 19, corresponding with the bars or rods 17 and adapted to rest on or to be secured to the cross-pieces or slats 13. The spring structure is strengthened by the diagonally-disposed wires 20, having coils at their upper ends to receive the side bars 15 and also having coils at their lower ends to receive the bottom bars 21, corresponding with the bars or rods 15 and in line with the bars 19 and, like the latter, resting upon the cross-pieces or slats 13 and within the side and end members of the frame F.

The covering for the couch may be of any suitable character, and that represented is denoted by C, and it has what might be termed a "body" or "main" portion sustained by the upper side of the spring structure between the side bars 15, and the covering is turned down to lap over or hide the sides and ends of the frame and consequently of the spring structure supported thereby.

The spring structure has adjacent the side bars the hollows or seats 25, formed jointly by said bars and the coils of the springs 16, and these seats or pockets 25, which are disposed longitudinally of the spring structure, are adapted to receive the flexible ribs or ridges secured in parallelism to the under side of the covering, as shown clearly in all

the figures. As these ribs lie in the seats or pockets 25 upon the spring structure, it will be evident that the covering when in position will be held thereby against side movement.

5 The ribs 26 of course may be of any suitable character; but they are represented as consisting of heavy cord or rope stitched or otherwise fastened to the covering or upholstering.

10 The cover or upholstering is shown as consisting of two thicknesses 30 and 31 and an interposed filling or cushioning of hair or like material, and it may be formed of any suitable material and ornamented, as is customary, with fringe, &c.

While the seating of the two parallel and longitudinal ribs 26 can under ordinary circumstances be relied upon to secure the cover or upholstering in place, still I do not wholly
20 rely upon the same. Said cover is shown as having suitable fasteners, as 35, fastened in some convenient manner to the under side thereof substantially midway between the ribs 30 and 31. The fasteners 35 are shown
25 consisting of tapes or flexible straps having means at their lower ends to secure them to the cross-pieces or slats 13, they being spaced to agree with that of said slats. The tapes or straps 35 carry at their lower ends one section of the well-known two-part snap-button
30 or fastener, the other section of the button being secured to the respective slats, whereby the tapes can be readily connected to and disconnected from the proper slats.

35 The covering C is further provided upon its under side with ties, as 40, which may consist of cord or other suitable material wound around the longitudinal cords or ribs 26 and adapted also to be wound around the side
40 bars 15 and tied thereto, as indicated in Fig. 3. The side and end pieces of the frame may be provided at suitable intervals with the male members 41 of two-part fastening devices, the female or complementary members
45 being stitched to the inside and downturned portion of the covering, and these serve to hold the covering down.

It will be understood that the invention is not limited to the precise parts and arrangement thereof in the manner previously set
50 forth, for these may be variously modified and certain elements may be entirely omitted

without departing from the scope of the appended claims.

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

1. A couch having a frame, a spring structure supported thereby and having seats at its opposite sides, a pliable covering for the couch provided with flexible ribs extending longitudinally thereof and fitted in said seats, and means for detachably connecting the covering to the frame.

2. A couch having a frame, a spring structure supported thereby and having seats at its opposite sides, a covering for the couch provided with ribs extending longitudinally thereof and fitted in said seats, and means between said ribs for detachably connecting the covering to the frame.

3. A pliable covering for couches made from fabric and having parallel flexible ribs extending longitudinally along the same upon the under side thereof.

4. A couch consisting of a frame, a spring structure supported thereby and having side bars, and also having seats adjacent to said side bars, a covering for the couch, two ribs secured to the under side thereof and resting in said seats, means for detachably connecting the cover to the frame, a series of straps secured to the under side of the covering between said ribs, and means for detachably connecting said straps to the frame.

5. A couch consisting of a frame, a spring structure supported thereby and having side bars, and also having seats adjacent to said side bars, a covering for the couch, two ribs secured to the under side thereof and resting in said seats, means for detachably connecting the cover to the frame, a series of straps secured to the under side of the covering between said ribs, means for detachably connecting said straps to the frame, and a series of ties secured to the cover and adapted to be wrapped around said side bars.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM VOGLER.

Witnesses:

HEATH SUTHERLAND,
LAURA T. MANIX.