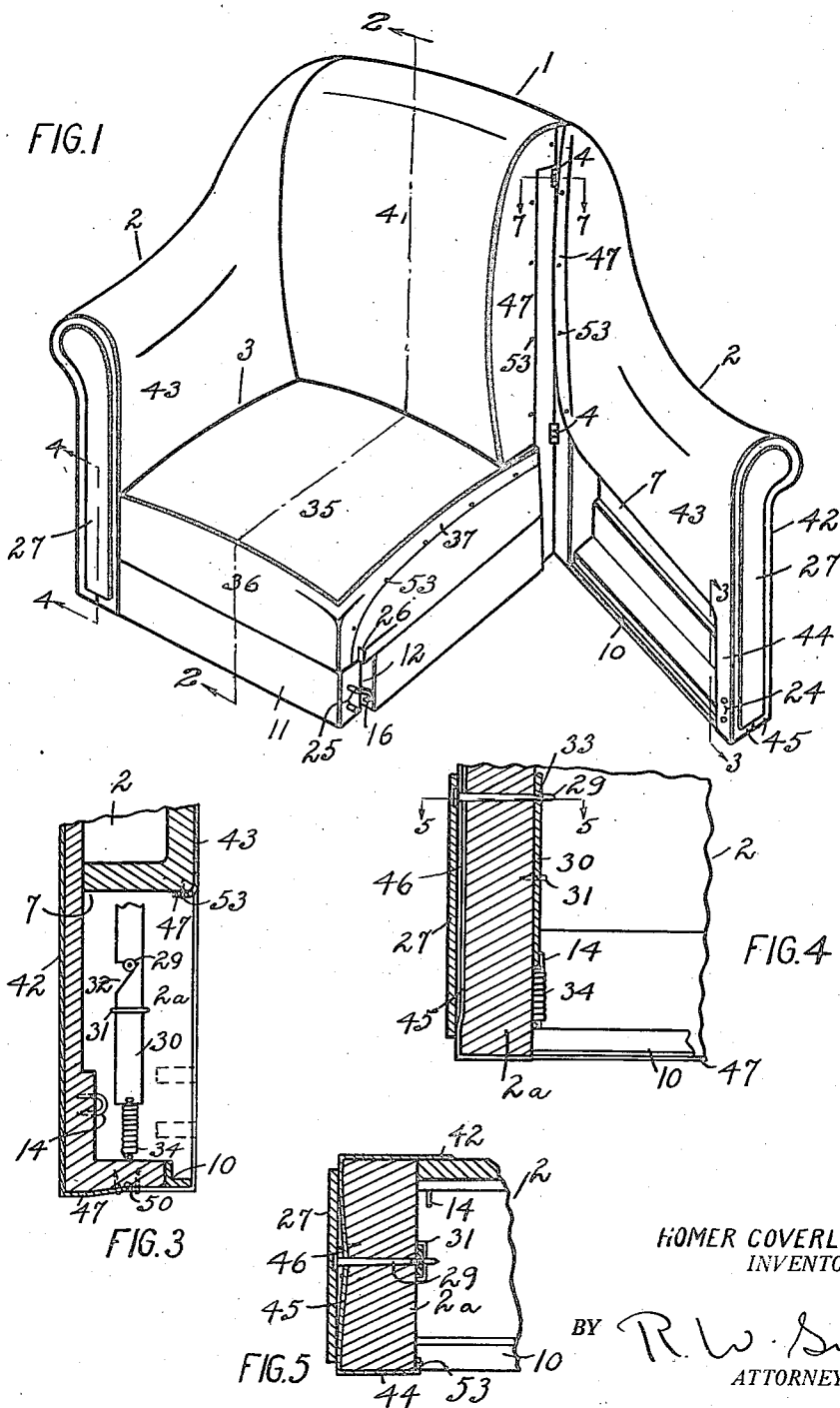


Dec. 25, 1923.

1,478,640

H. COVERLY
CHAIR CONSTRUCTION

Filed July 24, 1922 2 Sheets-Sheet 1



Dec. 25, 1923.

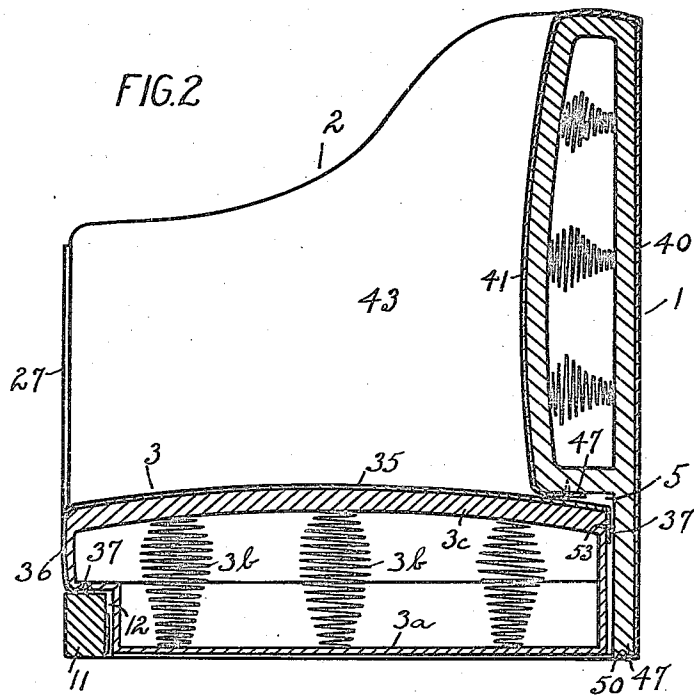
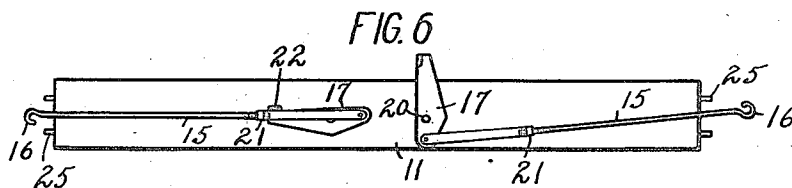
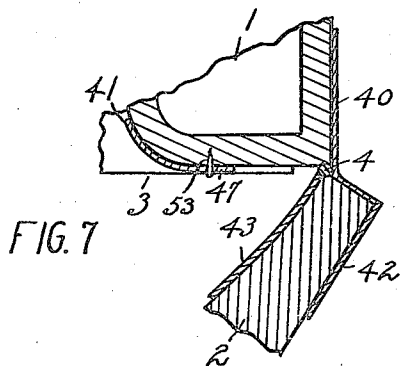
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H. COVERLY

CHAIR CONSTRUCTION

Filed July 24, 1922

2 Sheets-Sheet 2



HOMER COVERLY
INVENTOR.

BY *R. W. Smith*
ATTORNEY.

UNITED STATES PATENT OFFICE.

HOMER COVERLY, OF LOS ANGELES, CALIFORNIA.

CHAIR CONSTRUCTION.

Application filed July 24, 1922. Serial No. 577,017.

To all whom it may concern:

Be it known that I, HOMER COVERLY, a citizen of the United States, residing at Los Angeles, county of Los Angeles, State of California, have invented new and useful Improvements in Chair Construction, of which the following is a specification.

This invention relates to the construction of chairs, davenports, and like furniture, hereinafter referred to as chairs.

It is the object of the invention to provide a device of the character set forth, which is adapted to be swung open from its normal position, in order that a removable cover may be applied to the furniture, the edges of the cover being fastened to the chair at portions thereof which are normally concealed, but which are exposed when the structure is swung open. By this arrangement, when the chair is again swung to its normal position after the cover has been placed thereon, the fastening connections between the cover and the chair are concealed, thereby providing a neat and snugly fitting cover for the chair.

It is a further object of the invention to provide means for locking the chair parts in their normal position, said locking means being readily releasable in order that the chair may be swung open for applying or removing the chair cover.

Further objects of the invention will be readily understood from the following description of the accompanying drawings, in which:

Fig. 1 is a perspective view of a chair constructed in accordance with the invention, one side of the chair being swung open, and the removable cover being in place upon the chair.

Fig. 2 is a vertical section on the line 2—2 of Fig. 1.

Figs. 3 and 4 are detail sections on the lines 3—3 and 4—4 of Fig. 1.

Fig. 5 is a section on the line 5—5 of Fig. 4.

Fig. 6 is a rear elevation of the locking bar of the chair structure.

Fig. 7 is a detail section on the line 7—7 of Fig. 1.

In the present exemplification of the invention, the chair is shown as an upholstered structure comprising back 1, side arms 2 extending from the bottom to the top of the back, and a separate seat structure 3

received between the side arms against the back 1, with the base of the seat at the bottom of the back and sides.

The side arms are hinged to the back as shown at 4, and both the back and sides are usual upholstered constructions, the lower portion of the back upholstery being cut away as shown at 5, in order to receive the rear portion of the seat structure beneath said upholstery, when the chair is assembled in normal position, and the lower portions of the side arms being cut away as shown at 7, in order to receive the sides of the seat within said recesses, when the arms are swung to normal position forming the assembled chair structure.

The separate seat structure is a usual upholstered spring construction comprising base 3^a carrying the springs 3^b, with the usual padding 3^c received over the same to form the upholstered surface of the seat.

When the parts are assembled, the rear portion of the seat is received within recess 5, and the side arms are swung to normal position extending forwardly from back 1. The sides of the seat are thus received within recesses 7, and the seat is supported by the base of the same resting upon angle irons 10 arranged within recesses 7 at the bottoms of the side arms 2.

By this arrangement it will be seen that the rear edge portion of the seat structure is beneath the upholstery of the back of the chair, so that the weight of a person sitting in the chair is removed from the rear edge of the seat, thereby preventing breaking down or sagging of the springs at said rear portion of the seat. It will also be noted that the seat provides a spring structure extending all the way to the bottom of the chair, thereby affording an efficient and durable construction.

In order to lock the swinging side arms and the seat of the chair in assembled normal position, a bar 11 is adapted to be received across the front of the seat with the ends of said bar releasably connected to the side arms 2.

As an instance of this arrangement, the lower portion of the front of the seat structure is undercut so as to form the transverse recess 12 in which the locking bar is removably received.

The locking connections for the bar comprise staples 14 mounted upon the side arms

2 within the front ends of recesses 7, and rods 15 having hooked ends 16 adapted to engage said staples, the rods being mounted on the inner face of bar 11, and arranged for projection or retraction of said rods.

The operating means for the rods 15 are shown as plates 17 pivoted at 20 upon the bar 11. Nuts 21 project from said plates at one side of their pivots, and the rods 15 are threaded through said nuts, so as to form an adjustable connection for said rods. Lugs 22 are formed upon plates 17 at the opposite sides of their pivots, said lugs forming handles by means of which the plates may be partially rotated to either project or retract the hooked connecting rods. The lugs 22 are also so positioned as to form stops against which rods 15 will abut for releasably holding the same in locking position, when the plates 17 have been rotated so as to retract the rods 15 and swing the same just beyond their dead centers.

In order to guide the locking bar 11 and to provide a snug fit between the parts of the chair when assembled, the posts 2^a forming the ends of side arms 2, are preferably recessed as shown at 24 in order to receive pins 25 projecting beyond the ends of bar 11. It will be understood that bar 11 is of suitable length to fit snugly between the posts 2^a, and the front edge of the upper portion of the seat structure is preferably also of such length as to be received between the posts 2^a.

For this purpose the upper portions of the sides of the seat structure are slightly inwardly offset at their front edges which align with posts 2^a, thereby providing shoulders 26 upon the sides of the seat, which are received within recesses 7 when the parts are assembled.

Ornamental panels 27 are preferably mounted upon the end posts of the side arms of the chair, the surfaces of said end posts beneath said panels being concaved for a purpose to be hereinafter described. The panels are detachable, and for this purpose are provided with notched locking pins 29 adapted to extend through suitable apertures in posts 2^a. The locking pins are detachably engaged by locking plates which are shown as strips 30 slidable in guideways 31 upon the inner surfaces of the end posts. The strips are notched as shown at 32, said notches cooperating with the notches 33 of the locking pins, and the strips are yieldably moved in their guideways into position for locking engagement, by means of springs 34. It will be understood that the locking strips may be oppositely shifted against the action of the springs, to cause disengagement of the locking pins and to permit removal of the panels.

The upholstered chair as thus described is provided with a neat and snugly fitting

removable cover, one unitary cover structure being provided for the seat, and a separate cover being employed for the back and arms of the chair.

The seat cover, adapted to be placed in position when the seat has been removed from the chair, comprises a main cover 35 received over the upper surface of the seat and a front extension 36 extending downwardly over the front of the seat to the recess 12. Edge flaps or extensions 37 are provided at the sides and ends of the cover as thus described, the side flaps extending over the sides of the seat, and the respective end flaps extending over the rear of the seat, and against that portion of the seat forming the upper wall of recess 12.

The cover for the back of the chair comprises a rear portion 40 extending to the bottom of the chair, and a front extension 41 adapted to extend over the upholstered surface which terminates at the recess 5. The covers for the arms of the chair are lateral extensions of the rear portion 40 of the back cover, and comprise portions 42 received against the outer surfaces of the arms and extending to the bottom of the chair, and extensions 43 of the portions 42 which extend over the inner surfaces of the chair arms.

These latter extensions terminate at the recesses 7, but at the front of the same are continued downwardly as strips 44 received against posts 2^a. Flaps 45 at the front edges of strips 44 and at the front edges of portions 42 of the arm covers are received against the fronts of posts 2^a in the concave recesses 46 provided therein.

Edge flaps 47 are provided at the remaining edges of portions 40, 41, 42, and 43 of the cover for the back and arms of the chair. At the bottom of portions 40 and 42 of the cover, these flaps extend over the lower edges of the back and arms and are received in recesses 50 provided in the bottoms of said back and arms. At the lower edges of portions 41 and 43 of the cover, the flaps 47 are received against the upholstered surfaces forming the upper walls of recesses 5 and 7, and at the sides of extension 41, the flaps are received over the sides of the upholstered back of the chair, while at the rear edges of extensions 43, the flaps are similarly received over the rear edges of the upholstered arms of the chair.

The covers as thus described are retained in position by suitable fastening connections between the chair and seat structures and the flaps 37, 45, and 47 of the covers. As an instance of this arrangement, pins 53 may project from the chair and seat structures wherever the flaps overlies the same, in order that said flaps may be readily hooked upon said pins.

In placing the cover for the chair in posi-

tion, it will be understood that bar 11 is removed so that arms 2 may be swung outwardly and the seat structure removed. The seat cover is then fastened in place as previously described, and it will be noted that when the seat is again placed in the chair, and the arms of the latter are closed and locked in normal position, all of the fastening connections for the seat cover are concealed by the chair.

In similar manner, when the chair has been swung open and the seat removed, the cover for the back and arms is placed in position. The panels 27 are removed in order that flaps 45 may be fastened in place, and the panels are then again placed in position upon the ends of arms 2.

When the chair is again assembled in normal position, with the seat in place and the arms swung inwardly against the sides of the seat, the fastening connections for the seat and back cover are concealed.

I have thus provided a simple chair construction which may be readily swung open to expose fastening connections for retaining a cover in position, said connections being concealed when the chair is again closed and locked in normal position. The chair cover may thus be fitted snugly to the chair in order to form a sightly and neat construction.

While I have illustrated and described but one practical embodiment of the device, it will be apparent that various changes may be made in the construction, combination, and arrangement of parts, without departing from the spirit of the invention.

What is claimed is:

1. The combination with a chair of a seat cover, said chair comprising a back, side members connected thereto and providing for movement of said side members relative to said back and from their normal position extending forwardly from said back at the sides thereof, and a seat mounted between said side members and in front of said back, said seat cover being fastened to the sides and rear of said seat so that said fastening edges are concealed by the side members and back of the chair when the parts are in normal position, and releasable locking means adapted to retain the chair structure in normal position and also clamp said seat between said side members in said chair.

2. The combination with a chair of a seat cover, said chair comprising a back, side members connected thereto and providing for movement of said side members relative to said back and from their normal position extending forwardly from said back at the sides thereof, and a seat mounted between said side members and in front of said back, said seat being recessed transversely at its front portion, said seat cover

being fastened to the sides and rear of said seat so that said fastening edges are concealed by the side members and back of the chair when the parts are in normal position, the front of said seat cover being fastened in said transverse recess, and a locking bar adapted to be received in said recess so as to conceal the front fastening edge of said seat cover when the parts are in normal position, and means for fastening said locking bar to said side members for locking the chair structure in normal position and locking said seat in said chair.

3. The combination with a chair having a back, sides, and a seat, of a removable cover for the back and sides of the chair, and a removable seat cover, said sides being connected to said back and arranged for movement relative thereto, from their normal position extending forwardly from said back at the sides thereof, so as to expose normally concealed edge portions of said back and sides, said seat being mounted between said side members and in front of said back, said seat cover being fastened to the sides and rear of said seat so that said fastening edges are concealed by the side members and back of the chair when the parts are in normal position, said cover for the back and sides of the chair comprising a portion adapted to overlie the rear of said back and having integral side extensions adapted to extend over the joints between said back and side members and overlie the outer sides of said side members, and separate vertical extensions of said back portion and of said side extensions adapted to overlie the front of said back and the inner sides of said side members respectively, the adjacent side edges of said vertical extensions being fastened to said exposed edge portions of said back and side members so that said fastening connections are concealed when the chair is in normal position, and means for locking the chair structure in normal position and clamping said seat between said side members in said chair.

4. The combination with a chair having a back, sides, and a seat, of a removable cover for the back and sides of the chair, and a removable seat cover, said sides being connected to said back and arranged for movement relative thereto, from their normal position extending forwardly from said back at the sides thereof, so as to expose normally concealed edge portions of said back and sides, said seat being recessed transversely at its front portion and mounted between said side members and in front of said back, said seat cover being fastened to the sides and rear of said seat so that said fastening edges are concealed by the side members and back of the chair when the parts are in normal position, the

front of said seat cover being fastened in said transverse recess, and a locking bar adapted to be received in said recess so as to conceal the front fastening edge of said seat cover when the parts are in normal position, said cover for the back and sides of the chair comprising a portion adapted to overlie the rear of said back and having side extensions adapted to overlie the outer sides of said side members, and separate vertical extensions of said back portion and of said side extensions adapted to overlie the front of said back and the inner sides of said side members, respectively, the adjacent side edges of said vertical extensions being fastened to said exposed edge portions of said back and side members so that said fastening connections are concealed when the chair is in normal position, and means for fastening said locking bar to said side members for locking the chair structure in normal position and said seat in said chair.

5. The combination with a chair of a seat cover, said chair comprising a back, side members connected thereto and providing for movement of said side members relative to said back and from their normal position extending forwardly from said back at the sides thereof, the lower inner edges of said side members forming supports, and a seat mounted on said supports between said side members and in front of said back, the front wall of said seat being recessed transversely thereof, said seat cover extending over the front, rear, and sides of said seat and fastened to the sides and rear of said seat so that said fastening edges are concealed by the side members and back of the chair when the parts are in normal position, the front of said cover being fastened in said transverse recess, and a locking bar adapted to be received in said recess so as to conceal the front fastening edge of said cover when the parts are in normal position, said locking bar having detachable fastening connections with the side members for locking the chair structure in normal position and locking said seat in said chair.

6. The combination with a chair of a removable cover, said chair including a back and side members hinged to said back and adapted to swing from normal position away from one another relative to said back so as to expose normally concealed edge portions of said back and side members, and said cover comprising a portion adapted to overlie the rear of said back and having integral side extensions adapted to extend over the hinged joints between said back and side members and overlie the outer sides of said side members, and separate vertical extensions of said back portion and of said side extensions adapted to overlie the front of said back and the inner sides of said side members re-

spectively, the adjacent side edges of said vertical extensions being detachably fastened to said exposed edge portions of said back and side members so that said fastening connections are concealed when the chair is in normal position.

7. The combination with a chair of a removable cover, said chair including a back and side members hinged to said back and adapted to swing from normal position away from one another relative to said back so as to expose normally concealed edge portions of said back and side members, and said cover comprising a portion adapted to overlie the rear of said back and having integral side extensions adapted to extend over the hinged joints between said back and side members and overlie the outer sides of said side members, and separate vertical extensions of said back portion and of said side extensions adapted to overlie the front of said back and the inner sides of said side members respectively, the adjacent side edges of said vertical extensions being detachably fastened to said exposed edge portions of said back and side members so that said fastening connections are concealed when the chair is in normal position, the side edges of said cover at the front ends of the inner and outer surfaces of said side members being received over the front ends of said side members and detachably fastened thereto, and panels having means for removably supporting the same upon the front ends of said side members so as to overlie said last mentioned detachable fastening connections for concealing the same.

8. The combination with a chair of a removable cover, said chair including side members having front end walls, a back, and a removable seat, said cover having portions thereof overlying the inner and outer surfaces of said side members with the side edges of said portions of the cover received over the front end walls of said side members and detachably fastened thereto, and panels received over the front end walls of said side members so as to overlie said detachable fastening connections for concealing the same, said panels having supports received through said front end walls, and detachable fastening means for said supports at the rear of said front end walls of the side members and accessible when said seat is removed.

9. The combination with a chair of a removable cover, said chair including a back and side members connected thereto and adapted for movement of said side members relative to said back and from their normal position so as to expose normally concealed edge portions of said back and side members, and said cover comprising a portion adapted to overlie the rear of said back and having integral side extensions adapted to

extend over the joints between said back and side members and overlies the outer sides of said side members, and separate vertical extensions of said back portion and of said side extensions adapted to overlie the front of said back and the inner sides of said side members respectively, the adjacent side edges of said vertical extensions being fastened to said exposed edge portions of said back and side members so that said fastening connections are concealed when the chair is in normal position.

In testimony whereof I have signed my name to this specification.

HOMER COVERLY.