

May 31, 1932.

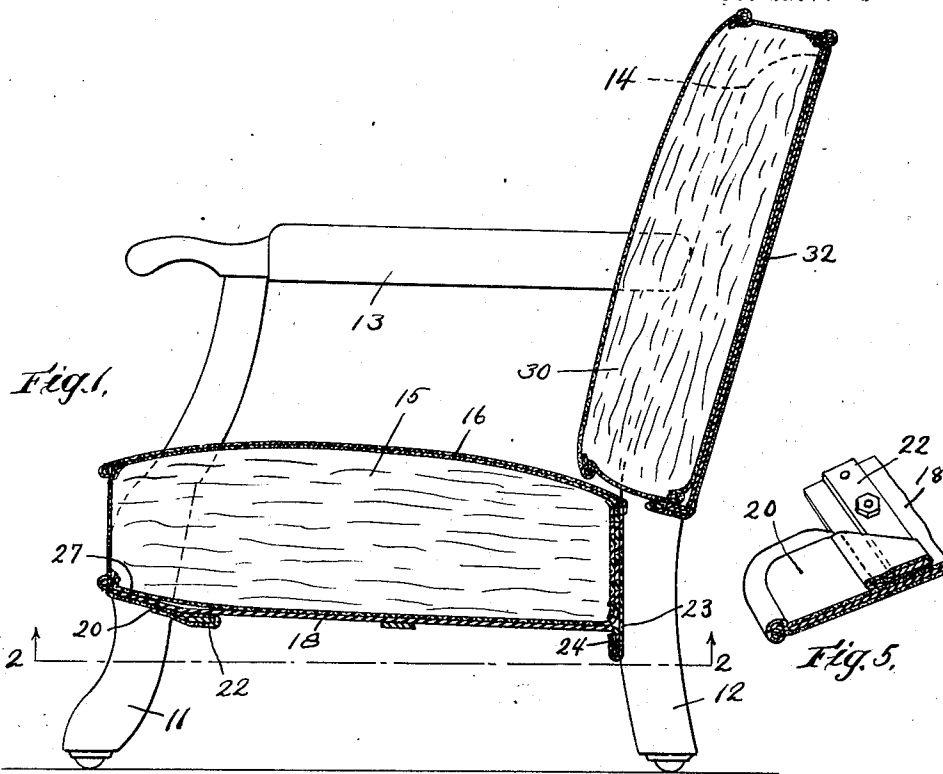
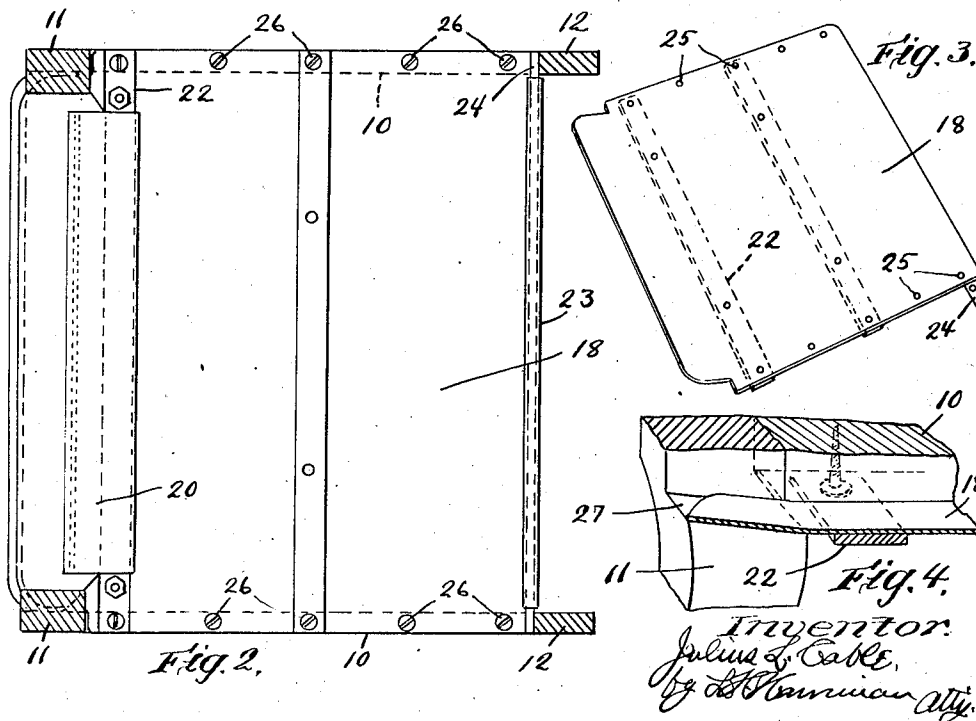
J. L. CABLE

1,860,381

UPHOLSTERED CHAIR

Filed April 16, 1930

2 Sheets-Sheet 1



May 31, 1932.

J. L. CABLE

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UPHOLSTERED CHAIR

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2 Sheets-Sheet 2

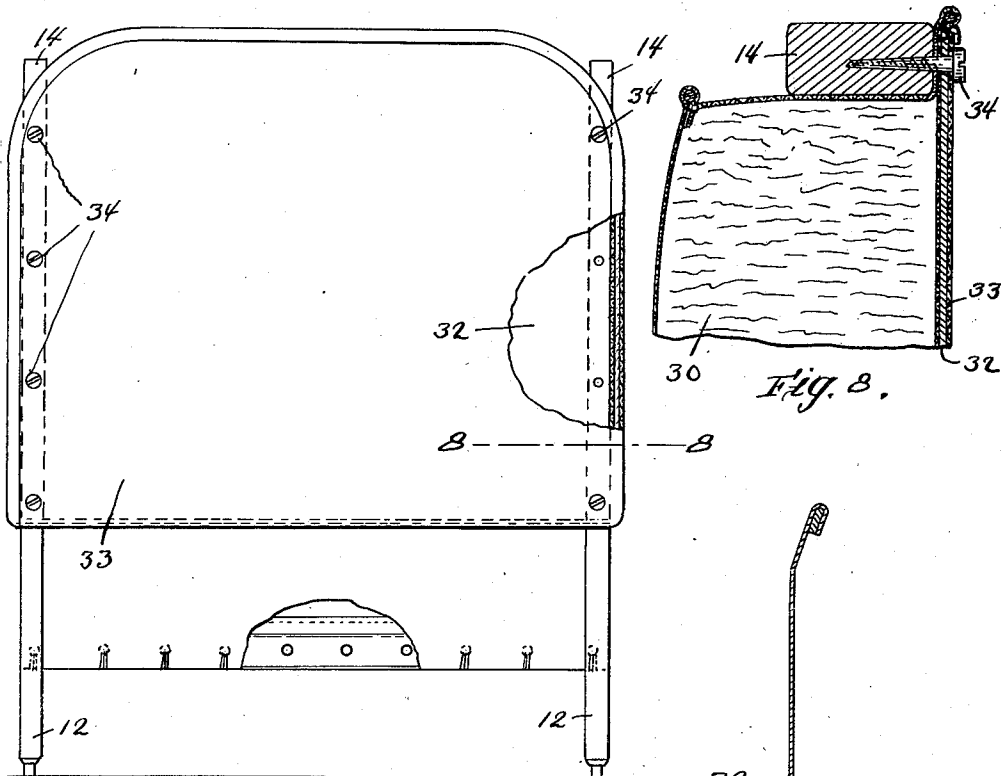


Fig. 6.

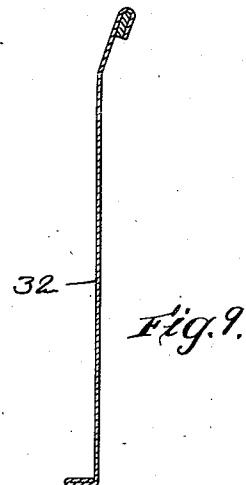


Fig. 9.

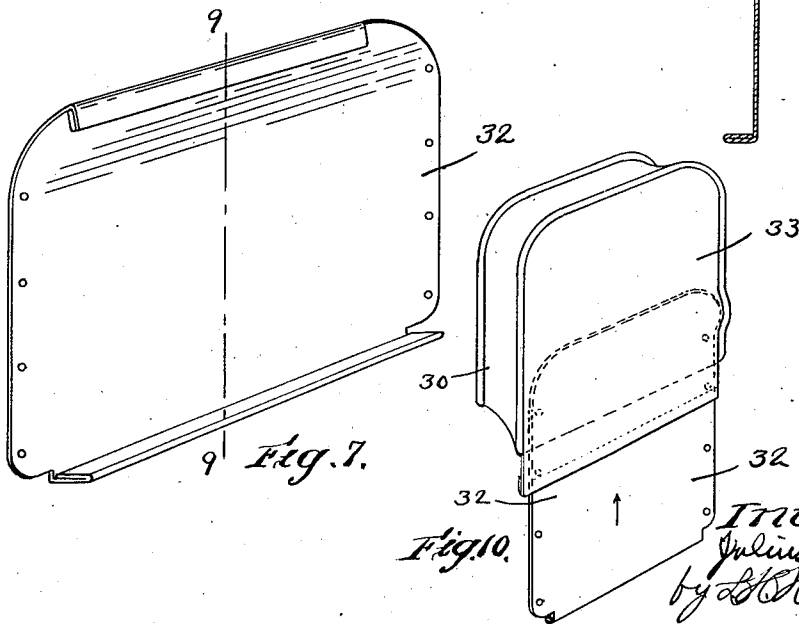


Fig. 7.

Fig. 10.

Inventor:
J. L. Cable
by S. H. Steinman
att.

UNITED STATES PATENT OFFICE

JULIUS L. CABLE, OF BOSTON, MASSACHUSETTS

UPHOLSTERED CHAIR

Application filed April 16, 1930. Serial No. 444,693.

This invention relates to upholstered furniture of the type primarily designed to employ cushions which comprise small, cloth-encased spiral springs which are usually sold separately for various purposes.

The objects of the invention are to provide a simplified construction of furniture which will enable the upholstering operations to be simplified, so that the employment of experienced upholsterers will be unnecessary, the cost of manufacture may be reduced. Also to provide an upholstered chair of the knock down type, so that the chair may be packed for shipment in a much smaller space than would be required if assembled, and which is so arranged that it may readily be reassembled for use.

I accomplish these and other objects by providing a cushion, of the character above referred to, with a pocket on its under side, which is formed by connecting to the cushion covering about its lower edges, sheet material similar to the covering, then inserting a stiff sheet metal plate in said pocket, and securing the same therein, and then connecting the edge portions of the plate thus encased to the side sections of a chair, so that the sheet material thus acts as to hold said sections together and at the same time to support the cushion therebetween and hold it in position.

For a more complete disclosure of the invention, reference is made to the following specification, in connection with the accompanying drawings, in which:

Fig. 1 is a vertical sectional view of a chair embodying the invention.

Fig. 2 is a sectional view, at line 2—2 of Fig. 1.

Fig. 3 is a detail perspective view of a bottom plate which is employed.

Fig. 4 is a detail view of the bottom plate supporting construction employed in connection therewith.

Fig. 5 is a detail perspective view of a portion of the cushion and bottom plate connection.

Fig. 6 is an elevation of the rear side of the chair.

Fig. 7 is a perspective view of the back plate which is employed.

Fig. 8 is a detail sectional view at line 8—8 of Fig. 6.

Fig. 9 is a sectional view at line 9—9 of Fig. 7.

Fig. 10 is a perspective view illustrating a method of assembling the back plate and cushion.

In the drawings a form of chair, having an upholstered seat and back, is illustrated, which comprises two correspondingly formed side frames, each having a horizontal side portion 10, which connects a front leg 11 to a rear leg 12, the legs 11 being extended upward to support arm rests 13 and the rear legs being extended upward to provide side supports 14 for the back. A seat cushion 15 is provided which may be of any common type, preferably the type which comprises a series of cloth encased spiral springs, a construction well known to the art, said cushion being provided with a covering 16 of any suitable material, as cloth or leather, and being mounted on a rigid sheet metal bottom plate 18, shown in detail in Fig. 3, which is of somewhat greater width than, and of approximately the same length as the cushion 15. A cloth tongue 20 is connected to the front end and adjacent side portions of the covering of cushion 15 at its bottom, to form a pocket in which the front end of the sheet metal plate is inserted, said tongue 20 being drawn over the bottom side of the plate and being connected at its end to a metal bar 22, which is inserted in a loop formed in the end of the tongue, as shown in Figs. 1, 2 and 5, said bar 22 being in turn connected to the under side of the plate 18 by screws. The cushion 15 is also provided with a tongue 23 at its rear end, which is also connected to the cushion covering and may be connected to the plate 18 in any suitable manner. As shown, the plate 18 is provided with a depending rear flange 24, which is perforated to permit the tongue 23 to be secured thereby by suitable fastening means.

As thus arranged the side edge portions of the plate 18 project beyond the sides of the cushion and these edge portions, which are provided with suitable perforations 25, are brought into engagement with the bottom

edges of the horizontal frame portions 10 and are rigidly secured thereto by screws as 26, which are passed therethru into the frames 10. The front portion of plate 18 is
 5 reduced in width to permit the same to extend between the front legs, and the latter are each provided, on their inner sides, with an upwardly facing shoulder 27 on which
 10 said front portion of plate 18 rests, as shown in Fig. 4. The plate 18 thus is supported by, and securely connects the side frames and the
 15 cushion 15, which is supported on said plate and is securely connected thereto.

A back cushion 30, which is similar to
 15 cushion 15, is provided, which is connected to a sheet metal back plate 32 by providing the back side of the cushion with a pocket, formed by connecting a sheet 33, of material
 20 similar to that with which the front and sides of the cushion are covered, to three of the back edges of the cushion, so that the back
 25 thereof is completely covered, then inserting the plate 32 therein, as indicated in Fig. 10, and then connecting the disconnected edge
 30 of the sheet 33 to the cushion cover about the plate 32 in any convenient manner, as shown in Fig. 1, so that the plate 32 will be completely enclosed and secured to the cushion.
 35 The plate 32 is made of sufficient width to permit the same to be connected to the back sides of the back leg extensions 14, and, to attach the same thereto, the cushion is
 40 pressed inward sufficiently to permit the edge portions of the plate to be placed against the back side of said extensions and then screws,
 45 as 34, are passed therethru to secure the same in this position, as shown in Figs. 5 and 7.

The side frames are thus securely connected by the plates 18 and 32, which latter also
 40 support the seat and back cushions in position.

The above described construction thus enables the cushions to be connected to metal
 45 bottom and back plates by sewing or similar means and the plates thereafter to be connected to the side frames, so that a complete, rigid structure is provided.

The above described construction enables the side frames and cushions to be crated com-
 50 pactly side by side for shipment, so that it occupies a substantially smaller space than that which the chair occupies when completely assembled. The factory space required
 55 for manufacturing is also reduced, as compared with the space required for furniture having complete wood frames, and substantial savings in labor costs are made as compared with prior methods.

I claim:

60 1. A chair comprising a pair of side frames a cushion having a covering of flexible sheet material and a pocket formed of similar material on the bottom side thereof and attached
 65 to said covering, a rigid sheet metal plate disposed within said pocket and extending

over the entire bottom of the cushion and beyond the side edges thereof, so that the edge portions of said plate overlap the adjacent
 70 portions of said frames, and fasteners arranged to clamp said edge portions of the plate to said frames, to provide a rigid structure and connect the cushion securely thereto.

2. A chair comprising a pair of side frames, each having a front and rear leg and a connecting frame portion, a rigid sheet metal
 75 plate having opposite edge portions thereof of extending beneath and engaged with the bottom edge of each of said frame portions and having fasteners removably connecting
 80 said edge portions thereto and a cushion on said plate between said edge portions and having the covering material thereof extended about the front and rear edges and beneath said plate and secured thereto.

3. A knock down chair comprising a pair
 85 of side frames, each having a front and a rear leg, and a connecting frame portion, a bottom plate and a back plate, each of rigid, sheet metal and having their opposite side
 90 edge portions overlapping the bottom and back ends of said frame and having removable fasteners for forming a rigid connection therebetween, and a cushion disposed on each
 95 plate between the overlapping edge portions thereof, each cushion having a covering extending about the edges of its supporting plate and onto the back side thereof to connect the cushion thereto.

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

JULIUS L. CABLE.

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