March 27, 1962 E. F. HAMILTON 3,027,196

CHAIR ARM REST FASTENING

Original Filed May 5, 1958

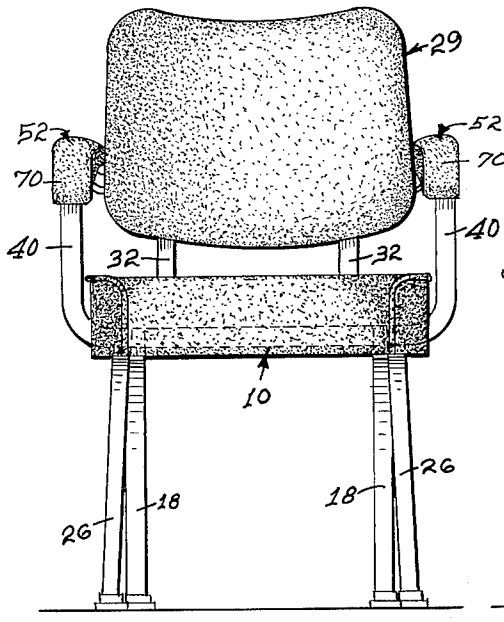


Fig-1-

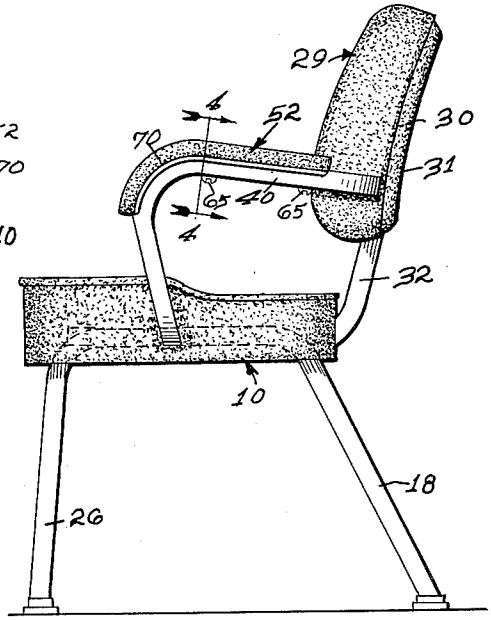


Fig-2-

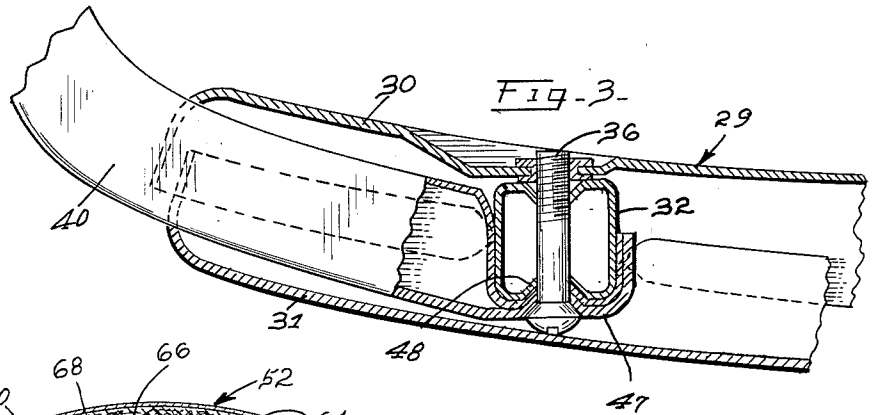


Fig-3-

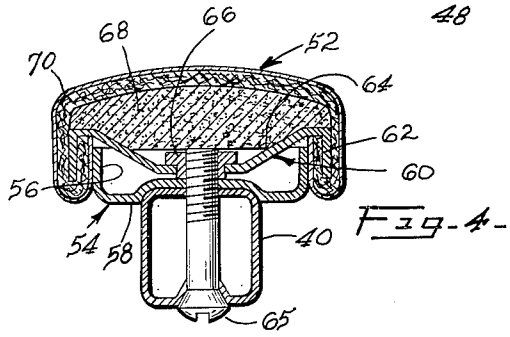


Fig-4-

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United States Patent Office 3,027,196
Patented Mar. 27, 1962

3,027,196

CHAIR ARM REST FASTENING

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Original application May 5, 1958, Ser. No. 732,995, now Patent No. 2,942,654, dated June 28, 1960. Divided and this application Aug. 7, 1959, Ser. No. 832,224
2 Claims. (Cl. 297—421)

This invention relates to an arm chair, and more particularly to the construction and mounting of the armrests on the chair arms. This application is a division of my application Serial No. 732,995, filed May 5, 1958, now Patent No. 2,942,654, issued June 28, 1960.

It is an object of my invention to provide a chair of the type referred to which can be simply and economically manufactured, which will be of attractive appearance, which will prove sturdy and durable in use, and which can be readily assembled, thus lending itself to shipment and storage in a knocked-down condition.

In carrying out my invention in its preferred form, I provide a seat mounted on a suitable floor-engaging base and connected to a chair back mounted above the plane of the seat at the rear edge thereof on suitable supports. A pair of side arms conveniently formed from lengths of metal-tubing are connected at each of their ends to the chair seat and back to brace the back on the seat and enhance the comfort of the user. The upper stretches of the arms are provided with elongated padded armrests rigidly mounted along the upper faces of the upper stretches of said arms.

Other objects and features of the invention will become apparent from the following more detailed description and from the accompanying drawing in which:

FIG. 1 is a front elevation of a chair embodying my invention;

FIG. 2 is a side elevation of the chair shown in FIG. 1;

FIG. 3 is an enlarged horizontal section showing a method of mounting the chair arms to the back rest; and

FIG. 4 is a vertical section taken on the line 4—4 of FIG. 2.

My invention is shown in the drawing as being embodied in an office side chair merely for the purposes of illustration, since my invention contemplates the provision of a chair, settee, or the like provided with a pair of side arms having elongated padded armrests mounted on their upper horizontal stretches. In the chair illustrated, there is provided a seat **10** mounted on a floor-engaging base, comprising pairs of front and rear legs **26** and **18** respectively. A back **29** having a padded covering overlying a mating back-pan **30** and back-panel **31** is mounted above the plane of the seat **10** and at the rear thereof upon vertically extending back supports **32** connected to said back-pan and panel and to the rear edge of the seat **10**. The structure of the seat and back, together with the floor-engaging base, forms no part of the invention of the present application, for it constitutes features of the parent application Serial No. 732,995, filed May 5, 1958, from which this application was divided.

As illustrated in the drawing, the chair is provided with a pair of side arms **40** secured to the lateral edges of the seat **10** and to the back **29** at its connection to the supports **32** to enhance the comfort of a person using the chair and to brace and stabilize the back **29**. Each arm **40** comprises a length of metal-tubing being generally square in cross-section and bent into a generally L-shape with its extreme lower portion deformed so that its end face abuts the lateral face of the seat **10** for connection thereto. The opposite or upper ends of the arms **40** extend through openings in the lateral stretches of the back-pan **30** and back-panel **31** and are interconnected to the chair back **29** by securing said arms to the supports

32. In this manner, both the supports and back are stabilized and braced against movement with respect to the chair seat **10**. In providing such an arm-to-back mounting the ends of the arms are flattened and bent into channel sections **47** which partially circumscribe the back supports **32** and bindingly retain them therein. As shown in FIG. 3, the webs of the channels **47** are pierced for the reception of bolts **36** so that the arms **40** and the back supports **32** may be secured to the back-pan **30** by the same bolts. Conveniently, the material around the bolt receiving openings in the outer faces in the arm and the back support is deflected inwardly, as at **48**, to form a frustoconical seat so that the bolt may be countersunk in the arm **40**.

As illustrated in the drawing, the subject matter of the present application is characterized by the provision of armrests **52** rigidly mounted on the upper faces of the horizontal stretches of the arms **40**. Each of the armrests **52** comprises an elongated bracket **54** having a web **58** embracing the upper face of an arm **40** and an upstanding peripheral flange **56**. A second bracket **60** having a web **64** and a downwardly extending peripheral flange **62** is mounted above the bracket **54** with the flange **62** of the bracket **60** disposed adjacent the outer face of the flange **56**. The two brackets are mounted on the arm **40** as by bolts **65** passing through openings in the upper and lower faces of the arm **40** and through openings cut in the web **58** of the bracket **54**, the upper ends of said bolts being received in nuts **66** fixedly retained in the web **64** of the bracket **60**. A layer of padding **68**, desirably formed from a resilient material such as foam rubber or the like, is placed over the upper face of the bracket **60**, and is covered with a flexible skin **70** with the margins of said padding and skin being bindingly retained between the peripherally extending flanges **56** and **62**.

Assembly of each of the armrests may be described as follows: The padding and skin are disposed over the upper face of the bracket **60** with their margins wrapped around the end of the flange **62**. The bracket **60**, with the padding and skin thereon, is then press-fit over the bracket **54** with the flanges **56** and **62** bindingly gripping the padding and skin. The armrest is then placed on the upper face of the arm **40** and the bolts **65** are drawn up into the nuts **66** to fixedly secure the armrest on said arm.

I claim as my invention:

1. In combination with a chair having a seat mounted on a floor-engaging base and provided with a pair of side arms interconnecting said seat to a back at the rear of said seat; an arm rest mounted on the upper face of each of said arms, each of said arm rests comprising a lower bracket having a central web carried against the upper face of a chair arm and provided with an upstanding peripheral flange, an upper bracket having a downwardly dished central web provided with a peripheral flange extending downwardly over the flange of said lower bracket, a pad on said upper bracket, a skin covering the pad forming the upwardly presented arm rest face, the marginal edges of said skin extending around the flange on the upper bracket and disposed in frictional engagement with the adjacent faces of the flanges on said upper and lower brackets whereby movement of the upper bracket into its assembled position with its flange extending over the flange on the lower bracket will pull said skin and pad over the upwardly presented arm rest brackets and retain said pad in a fixed position thereover, and means interconnecting said brackets and holdnig said upper bracket in said assembled position.

2. The combination as set forth in claim 1 in which said means extends through said lower bracket and chair

arm, and comprises a pair of cooperative fastening members including a first member disposed in a fixed position in the web of said upper bracket, and a second member threadably connected to said first member whereby said first and second members rigidly retain the arm rest on the chair arm and retain said brackets in assembled position.

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