May 21, 1940. E. E. FREY 2,201,261

ARM REST

Filed Aug. 1, 1938

Fig. 4.

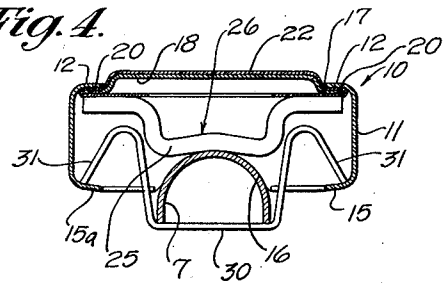


Fig. 1.

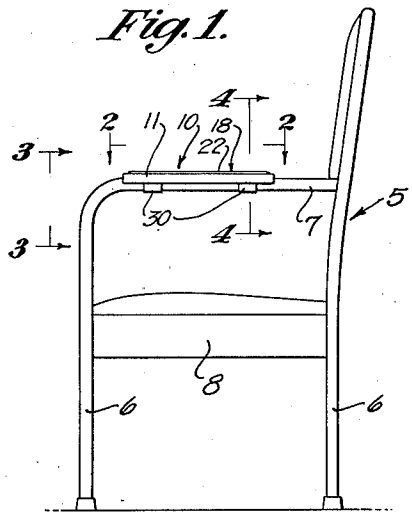
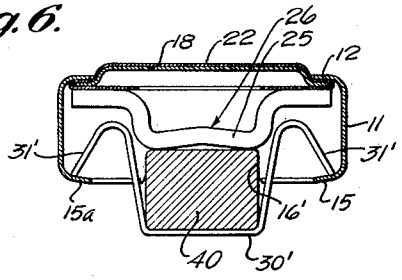


Fig. 6.



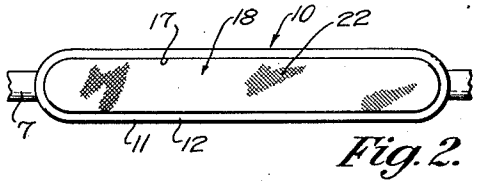
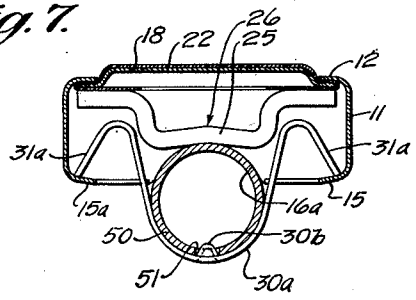


Fig. 2.

Fig. 7.



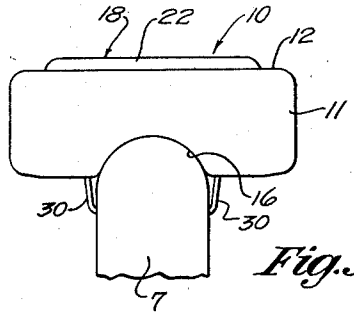
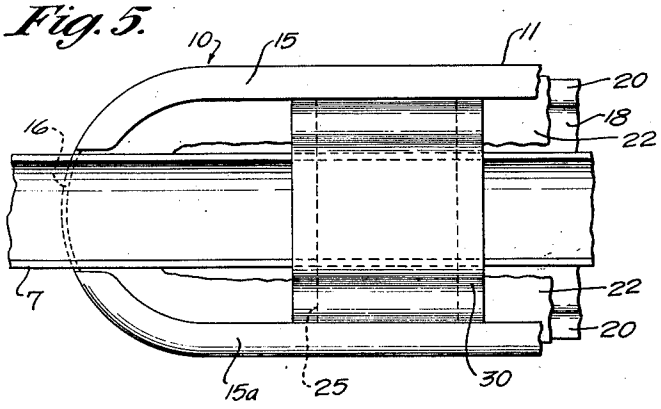


Fig. 3.

Fig. 5.



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Patented May 21, 1940 2,201,261

UNITED STATES PATENT OFFICE

2,201,261

ARM REST

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Application August 1, 1938, Serial No. 222,430

10 Claims. (Cl. 155—198)

My invention has to do with arm rests. More particularly, it relates to arm rests which may be easily mounted on and detached from chair arms and the like.

In the manufacture of metal furniture such as chairs, swings and settees, it has been the practice to weld, screw or rivet the arm rest onto the arm, but this practice is undesirable not only from the standpoint of cost, but also since the screw or rivet heads present objectionable protuberances on the arm rest surface.

It is therefore among the objects of my invention to provide an arm rest which may be quickly and easily applied to the arm without screws, rivets or welding, and which may be easily detached therefrom if desired.

It is another object to provide an arm rest to which a fabric or like covering may be easily applied and effectively retained in place.

Another object is to provide an arm rest which is simple in structure, economical of manufacture and installation, durable and highly efficient in use.

Other objects of my invention will appear hereinafter.

My invention consists in the combination and arrangements of parts and method of application hereinafter set forth and claimed, and will be best understood from the presently preferred adaptation thereof which I shall now describe, for which purpose I shall make reference to the accompanying drawing, in which:

Fig. 1 is a side elevation showing my device applied to a chair arm;

Fig. 2 is a plan view on line 2—2 of Fig. 1;

Fig. 3 is an end view on line 3—3 of Fig. 1;

Fig. 4 is a cross-section on line 4—4 of Fig. 1;

Fig. 5 is an enlarged fragmentary bottom view; and

Figs. 6 and 7 are cross-sectional views, similar to Fig. 4, but showing variational forms.

The numeral 5 (Fig. 1) denotes a metal chair having corner posts 6 and arms 7 made of channel iron, and a seat member 8.

My improved arm rest 10 comprises a casing 11 which preferably is in the form of an elongated loop, although it will be understood of course that the casing may be of any desired suitable shape. Casing 11 has an inwardly depending peripheral flange 12 at its top and bottom inwardly depending peripheral, oppositely disposed flanges 15, 15a. At each end of the casing 11 the lower portion of the casing is cut away to provide a recess 16 for mounting the arm rest over the chair arm, the chair arm resting in the recesses 16 provided by the cut-away portions in the casing. The top portion of casing 11 has an opening 17 into which fits (from the underside of the casing) a closure plate 18, the downwardly and outwardly depending apron 20 of plate 18 fitting under casing flange 12 to prevent upward escape of the plate. The top face of plate 18 may be covered with a suitable fabric 22 as will later be described.

A U-shaped cross-bar 25 is inserted in the casing 11 and bears at its bottom against the top face of chair arm 7 and at its top against apron 20 of plate 18, the bottom portion of the cross-bar being upwardly bowed at its center, as shown at 26, so as to conform somewhat to the rounded surface of the chair arm. The device is held firmly in place on the chair arm by means of a U-shaped spring clip 30 positioned under the cross bar and whose side walls each terminate in an outwardly and downwardly depending flange 31, the clip extending under the chair arm 7 and the clip flanges 31 resting against the top surface of the respective casing flanges 15, 15a, thus tending to draw the arm rest assembly against the top face of the chair arm. While any desirable number of cross-bars 25 and spring clips 30 may be used, I prefer to employ two of each, one set adjacent each end of casing 11.

To cover plate 18 with a fabric 22, the fabric is stretched over the top of the plate and its edges are clamped between flange 12 and apron 20.

From the foregoing description it will be seen that in order to mount my arm rest upon a chair arm, for instance, it is only necessary to place the casing 11, with its top plate 18 and cross-members 25 in place atop the chair arm and then force the spring clip 30 upwardly around the chair arm and into the casing until the clip flanges 31 spring out over the respective casing flanges 15, 15a, after which the device is firmly retained in position on the chair arm. To remove the arm rest, the sides of the clip 30 are compressed until their flanges 31 escape from over casing flange 15, 15a.

The device of Fig. 6 is identical with that before described, except that the arm rest is there shown as applied to an arm 40 which is rectangular in cross-section.

In Fig. 7 the device is shown applied to a round tubular chair arm 50 and here the device is the same as before described excepting only that the bottom portion of the clip 30a is curved to conform to the round chair arm, and in order to prevent turning of the arm rest on the chair arm, the chair arm 50 is provided with a hole 51 and the bottom of clip 30a is depressed at 30b

to provide a lug which projects into the hole **5***i* to provide a detent against rotation of the clip with respect to the chair arm. The lug **30***b* is preferably at the center of the bottom portion of the clip **30***a*.

While I have illustrated and described the preferred form of construction, I do not wish to limit myself to the precise details of structure shown and described, but desire to avail myself of such variations and modifications as may come within the scope of the appended claims.

I claim:

1. In combination with the arm of a chair or the like, an arm rest comprising a casing resting against the top of the arm and having inwardly extending, oppositely disposed flanges at its bottom and a spring clip engaging the bottom surface of the arm, said clip having terminal portions engaging said respective flanges to clamp the arm rest against the arm.

2. In combination with the arm of a chair or the like, an arm rest member on the arm, means for clamping the arm rest member onto the arm including a clamp having its top medial portion engaging the underside of the arm and its end portions engaging the arm rest member, and means for resisting movement of the clamp with respect to the arm, comprising a recess in the arm and a lug on the clamp, said lug projecting into said recess.

3. In combination with the arm of a chair or the like, an arm rest comprising a casing resting against the top of the arm and having inwardly extending flanges at its bottom, and a U-shaped spring clip engaging the arm, said clip having terminal portions engaging said respective flanges to detachably hold the arm rest against the arm.

4. In combination with the arm of a chair or the like, an arm rest comprising a casing resting against the top of the arm and having inwardly extending peripheral flanges at its bottom and a U-shaped spring clip engaging the arm, said clip having terminal portions engaging said respective flanges to detachably hold the arm rest against the arm, and said arm rest casing having a removable cover plate.

5. In combination with the arm of a chair or the like, an arm rest comprising an elongated loop-like casing having bottom peripheral flanges, a recess in each end of the casing to receive the chair arm, a removable cover plate for the casing, a cross bar interposed between the cover plate and chair arm, and a spring clip passing under the chair arm and engaging said flanges to retain the arm rest in place on the arm.

6. In combination with the arm of a chair or the like, an arm rest comprising an elongated loop-like casing having a top peripheral flange and bottom peripheral flanges, a removable cover plate for the casing, said cover plate having a downwardly and outwardly disposed apron engaging the underside of the top peripheral flange of the casing to retain the plate in position on the casing, a cross bar interposed between the cover plate and chair arm, and a spring clip passing under the chair arm and engaging said bottom flanges to retain the arm rest in place on the arm.

7. In combination with the arm of a chair or the like, an arm rest comprising an elongated loop-like casing having a top peripheral flange and bottom peripheral flanges, a recess in each end of the casing to receive the chair arm, a removable cover plate for the casing, said cover plate having a downwardly and outwardly disposed apron engaging the underside of the top peripheral flange of the casing to retain the plate in position on the casing, a cross bar interposed between the cover plate and chair arm, a spring clip passing under the chair arm and engaging said bottom flanges to retain the arm rest in place on the arm, and a fabric stretched over the top face of the cover plate and having its edges clamped between the apron of the cover plate and the top peripheral flange of the casing.

8. In combination with the arm of a chair or the like, an arm rest comprising an elongated casing having bottom peripheral flanges, a recess in each end of the casing to receive the chair arm, a cover plate for the casing, a cross bar bearing at its top portion against the cover plate and at its bottom portion against the chair arm, said bottom portion being shaped to conform to the top surface of the chair arm, and a spring clip passing under the chair arm and engaging said flanges to retain the arm rest in place on the arm.

9. In combination with the arm of a chair or the like, an arm rest comprising an elongated loop-like casing having bottom peripheral flanges, a recess in each end of the casing to receive the chair arm, a removable cover plate for the casing, a cross bar interposed between the cover plate and chair arm, and a U-shaped spring clip engaging the underside of the chair arm and having terminal portions engaging said flanges to retain the arm rest in place on the chair arm.

10. In combination with the arm of a chair or the like, an arm rest comprising an elongated loop-like casing having a top peripheral flange and bottom inwardly disposed peripheral flanges, a recess in each end of the casing to receive the chair arm, a removable cover plate for the casing, said cover plate having a downwardly and outwardly disposed apron bearing against the underside of the top peripheral flange of the casing to retain the plate in position on the casing, a cross-bar interposed between the cover plate and chair arm, said cross-bar having a portion so shaped as to conform substantially to the top surface of the chair arm, a U-shaped spring clip passing under the chair arm and having terminal portions engaging the top surface of said bottom casing flanges, and a fabric stretched over the top face of the cover plate and having its edges clamped between the apron of the cover plate and the top peripheral flange of the casing.

ELMER E. FREY.