

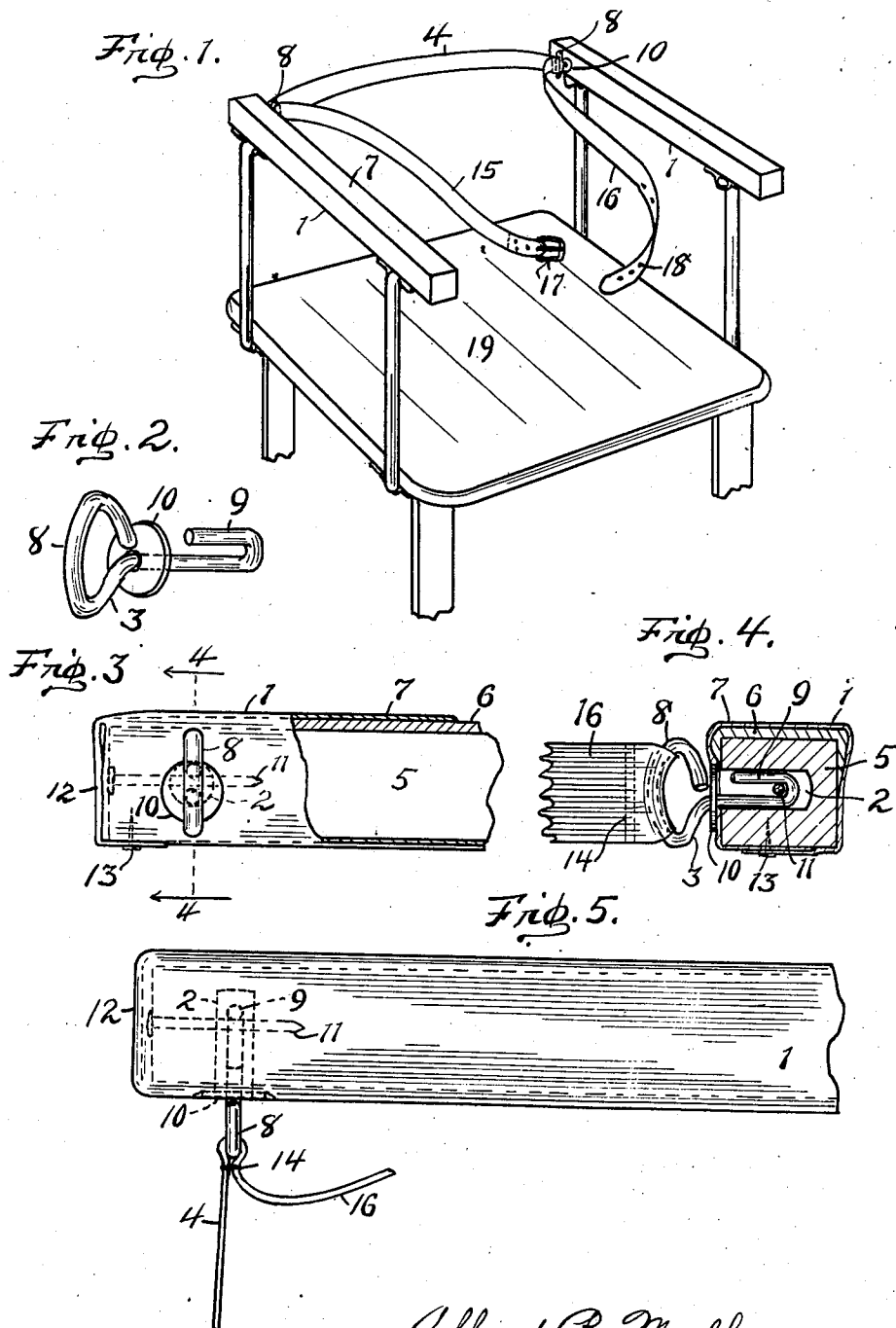
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STRAP FIXTURE FOR ARMCHAIRS

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STRAP FIXTURE FOR ARMCHAIRS

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This invention relates to improvements in strap fixtures for arm chairs where straps or harness is attached to the arm rests of a chair by which an occupant of the chair is secured in seated position thereon. For instance, it has become a custom to provide an auxiliary arm chair applicable to the regular seat and back cushion of an automobile in superimposed position thereon for the accommodation of a child.

The present invention relates to fixtures for and the manner of conveniently attaching straps or harness to the arms of the chair to promote security from dislodgment of the occupant of the auxiliary seat due to jolting or irregular travel of the automobile.

An object of the invention is to provide a fixture for securing a strap or harness to an arm of a chair and a manner of connecting the fixture with the arm whereby the strap and the arm are coupled securely together.

A further object of the invention is to afford a simple, efficient and economically applied connection between a harness and the arm rests of a chair.

Other objects and advantages of the invention appear in the following description.

An illustrative embodiment of the invention is shown in the accompanying drawing, in which—

Fig. 1 is a fragmentary perspective view of an arm chair structure to which the invention is applied;

Fig. 2 is a perspective view of a fixture for connecting a belt strap or harness to the arms of a chair;

Fig. 3 is a fragmentary elevational view of a chair arm to which the fixture is applied, a portion thereof being in section;

Fig. 4 is a transverse section of Fig. 3 on the line 4—4 thereof; and

Fig. 5 is a fragmentary top plan view of a chair arm to which the fixture is secured, and a harness attached thereto.

The illustrative embodiment of the invention consists of arm rests 1 for a chair, which have made therein sockets 2 that are closed at their inner ends and extend therein laterally from their inner sides, and strap fixtures 3 that are secured to the arm rests for connection with and support of a belt strap or harness 4.

In the present instance, which is an example of the invention, the arm rests consist of bars 5 the upper portions of which have thereon padding 6 which, together with the bars, are encompassed by a covering 7 of upholstery material.

The fixtures are each formed of a length of wire shaped at one end portion thereof to form an exposed open eye 8, the opposite end portion of the wire being backturned to form an anchor hook 9, both of which preferably lie in a common plane, and on a medial portion of the wire adjacent the eye is concentrically disposed a metallic disk 10. In securing the fixture to the arm a slit is made in the cover 7 to permit the anchor hook end of the fixture to be inserted therethrough into the socket 2 in the corresponding bar 5 in which it is concealed, and is held by a nail 11 which afterwards is driven into the adjacent end of the bar through the socket and anchor hook at right angles thereto against the bight of the hook. When the fixture is thus secured in place, the disk 10 is held exteriorly against the cover 7 which thereby closes the slit made in the covering and the outer end of the socket 2 and the fixture is held from turning. After the fixture has been secured in place a portion of the covering 7 that extends beyond the end of the bar 5 forms a flap 12 that is folded around the end of the arm rest and secured by tacks 13 or other suitable means, thus concealing the anchor nail 11.

If it be desired to sustain the eye 8 in horizontal position, the fixture is accordingly turned in the socket and the anchor nail is applied vertically through the bar instead of through the end thereof. In either event, the fixture is held by the anchor nail from either being withdrawn from the socket or being turned upon its axis from the position in which it is initially secured.

The belt strap 4 is extended through the openings of the exposed eyes 8 and folded back where it is secured upon itself adjacent the eyes by means of stitches 14 or by other suitable means. The extending ends 15 and 16 of the strap are so disposed as to be secured around the body of an occupant of the chair by means of a buckle 17 on one end of the strap by engagement through perforations 18 in the other end thereof. Other harness may be substituted for the belt strap here disclosed for more complete confinement of the occupant as may be desired by securing same to the fixtures in any suitable manner.

In the common practice strap fixtures formed of wire have straight shanks that extend through the arm rest and are provided with exposed washers on the protruding ends of the shanks which are swaged or upset to prevent withdrawal of the washers. In such instances in order to permit swaging of the protruding ends of the shanks the wire necessarily must be sufficient-

ly ductile to admit of being swaged and therefore are of large diameter to afford the required strength. In the present instance, however, swaging of the wire is not required, the fixture being made of stiff, strong wire of small diameter, shaped and secured in the arm rests so their eyes and complemental disks only are exposed and thus inconspicuously and effectively connect the harness with the arms.

In use, the chair 19 is positioned and secured where required for use and after the occupant is seated thereon the free ends of the straps are coupled together around the torso wherefore to prevent dislodgment of the occupant.

Variations from the particular construction above disclosed may be resorted to by the exercise of skill in the art, without departure from the spirit or scope of the invention, and the following claims are intended to be inclusive of such variations.

What I claim is:

1. A fixture for attachment of a strap to a chair arm that has a socket therein, said fixture consisting of a wire member shaped at one end

to provide an open strap-receiving eye and at the opposite end to form an elongated anchor hook, said hook being positioned in said socket, a washer on said member exterior of said arm closing the open end of said socket and engaging the exterior of the arm, and a nail in said arm extending transversely through said anchor hook and engaging the bight thereof, the arrangement being such that substantial movement of said wire member inwardly and outwardly of the socket is prevented.

2. A fixture for attachment of a strap to a chair arm that has a socket therein, said fixture consisting of a wire member shaped at one end to provide an open strap-receiving eye and at the opposite end to form an elongated anchor hook, said hook being positioned in said socket, and a nail in said arm extending transversely through said anchor hook, and engaging the bight thereof, the arrangement being such that substantial movement of said wire member inwardly and outwardly of the socket is prevented.

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