

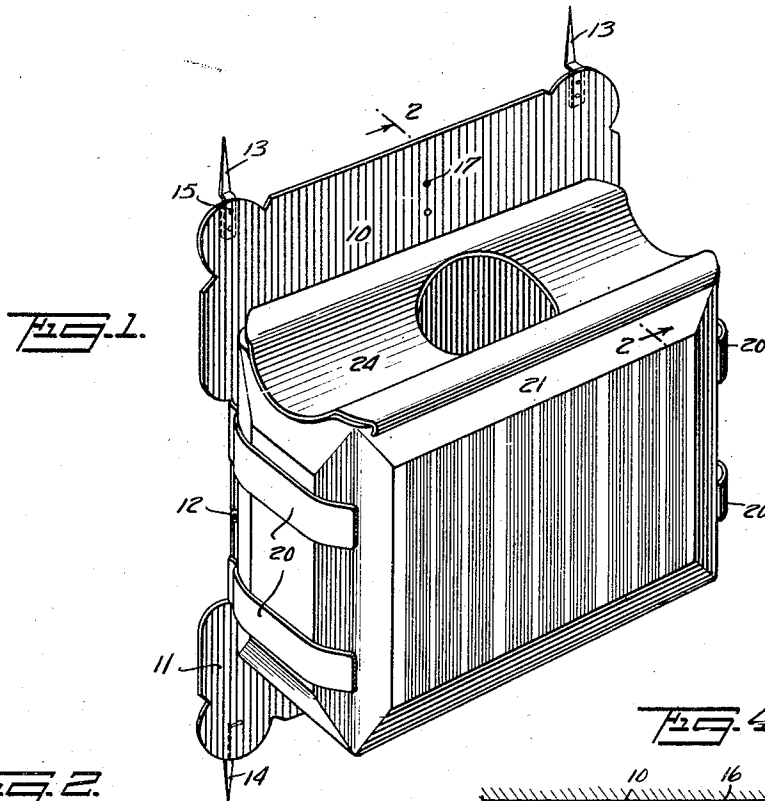
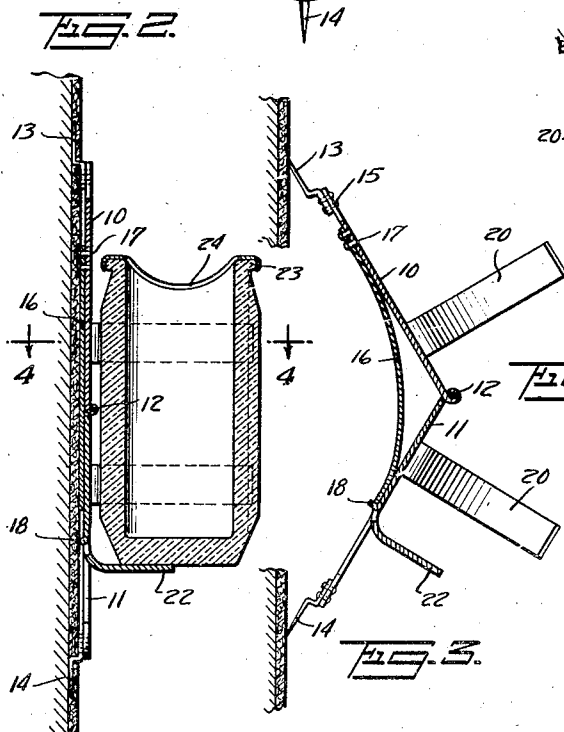
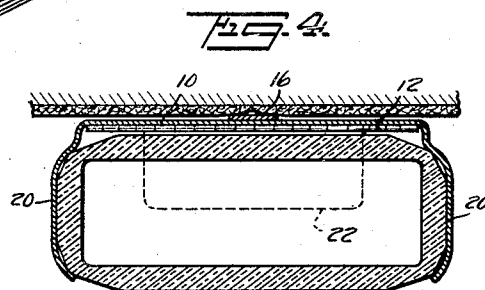
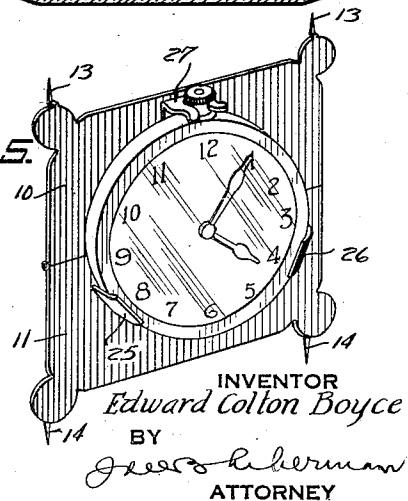
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ARTICLE SUPPORT

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ARTICLE SUPPORT

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The present invention relates to article supports and is more particularly directed toward article supports suitable for carrying and supporting small articles, such as ash receivers, watches, and the like.

The present invention contemplates an article support for the above suggested purposes, and adapted for use in automobiles upholstered with fabric.

According to the present invention, the article support is so made that it may be secured to the fabric of the upholstery by anyone without the use of tools. It is directly secured to the fabric in such a manner that the fabric is not injured, and the device may be readily removed whenever one desires to place it elsewhere.

An object of the present invention is to provide a device for this purpose which may be made up out of two plates of sheet material hinged together, each plate carrying one or more oppositely extending pins for piercing the fabric. The device is so arranged that the plates may be folded or collapsed to a predetermined spacing of the pins before they are inserted into the fabric. Mere pressure on the hinge will force the pins through the fabric and bring the plates closely adjacent the fabric, causing the pins to spread apart behind the fabric. A spring is preferably employed to hold the plates in this position, and, in order to resist accidental collapsing of the article holder, the article and holder may be so designed that the article extends across the hinge.

The accompanying drawings show, for purposes of illustrating the present invention, two embodiments in which the invention may take form, it being understood that the drawings are illustrative of the invention rather than limiting the same.

In these drawings:

Figure 1 is a perspective view of a holder adapted for carrying an ash receiver;

Figure 2 is a vertical sectional view on the line 2—2 of Figure 1;

Figure 3 is a similar view through the holder showing the parts positioned for affixing the holder on the fabric;

Figure 4 is a horizontal sectional view on the line 4—4 of Figure 2; and

Figure 5 is a perspective view of a modified form of construction suitable for supporting a watch.

As shown in the drawings, the device has two plates 10 and 11 connected together by a horizontal hinge 12. The opposite corners of the plates 10 and 11 carry fabric piercing members or pins, 13—13 at the top and 14—14 at the bottom. These pins may be made integral with the sheet metal plates 10 and 11, as indicated in Figure 5, or may be attached by rivets, as indicated at 15 in Figures 1 and 3. These pins are offset so as to be behind the plane of the plates 10 and 11.

A spring 16 is secured to the plate 10 by rivets indicated at 17. This spring extends across the hinge 12 and presses on the rear face of the other plate 11. If desired, the spring and plate may be integral. In order to limit the amount to which the plates 10 and 11 may be collapsed or moved about the hinge, the plate 11 is provided with a stop 18 struck out of the metal of the plate and engageable with the end of the spring 16.

To insert the article carrier in position, it is grasped in the hand to collapse the parts flexing the spring, as indicated in Figure 3. This will bring the points of the pins 13 and 14 toward one another. Pressing on the hinge 12 will then cause the points of the pins 13 and 14 to pass through the fabric. They will then move up and down behind the fabric to come to the position indicated in Figure 2.

In order that the insertion of the device will not injure the fabric, it is preferable to make the length of the pins between their points and the offsets such that the spreading action of the edges of the plates will be sufficient to carry the hilts or offsets of the pins to the same spacing that the pins were when the parts were collapsed. By comparing Figures 2 and 3, it will be seen that the points of the pins in Figure 3 are separated the same distance as the hilts or offsets are separated in Figure 2.

Where the device is intended for holding an ash receiver, integral spring fingers 20

may be struck out of the sheet metal plate and folded to such a shape as to embrace a glass ash receiver 21. In order to hold the ash receiver at the desired elevation, a foot or rest 22 may be struck out of the lower plate 11. The upper edge of the ash receiver may have a bead, as indicated at 23, to receive a slidable cigar rest 24. When the ash receiver is in position it will be noted that it extends across the hinge and prevents accidental collapsing of the article support.

Where one desires to employ the device for supporting other articles, suitable retaining devices may be carried by the plates. For supporting a watch, the lower plate 11 may, as shown in Figure 5, be provided with two forwardly extending members 25 and 26, and the upper plate 10 may be provided with a stem engaging member 27.

Of course, it will be understood that the device may be varied to receive various other articles. It will particularly be noted that one can place this device in position on the automobile upholstery without employment of tools. It is merely necessary to grasp the device, pressing the pins toward one another so as to bend the spring. Then place the pins in the desired position on the upholstery and press back on the hinge. The removal of the device is accomplished by the reverse operation, and at no time has the appearance of the fabric been impaired.

I claim:

1. An article carrier comprising two plates hinged together, each provided with pins carried along the edge remote from the hinge and behind the plane of the plate, the pins pointing away from the hinge, and a spring carried by the rear of one plate and extending across the hinge to bear on the other plate and tend to move it into the same plane as the first plate, the spring being flexed when the plates are collapsed to cause the points of the pins to be brought closer to one another.

2. An article carrier comprising two plates hinged together, each provided with pins carried along the edge remote from the hinge and behind the plane of the plate, the pins pointing away from the hinge, and a spring carried by the rear of one plate and extending across the hinge to bear on the other plate and tend to move it into the same plane as the first plate, the spring being flexed when the plates are collapsed to cause the points of the pins to be brought closer to one another, and means to limit the amount of said collapsing so that the range of movement of the pins is held to a predetermined amount.

3. An article carrier comprising two plates hinged together, each provided with pins carried along the edge remote from the hinge and behind the plane of the plate, the pins pointing away from the hinge, and a spring carried by the rear of one plate and extending across the hinge to bear on the other plate

and tend to move it into the same plane as the first plate, the spring being flexed when the plates are collapsed to cause the points of the pins to be brought closer to one another, and a stop carried by said other plate and engageable with the end of the spring to limit the amount of said collapsing so that the range of movement of the pins is held to a predetermined amount.

4. An article carrier comprising two plates hinged together, each provided with pins carried along the edge remote from the hinge and offset to be behind the plane of the plate, the pins pointing away from the hinge, and a spring carried by the rear of one plate and extending across the hinge to bear on the other plate and tend to move it into the same plane as the first plate, the spring being flexed when the plates are collapsed to cause the points of the pins to be brought closer to one another, and a stop carried by said other plate and engageable with the end of the spring to limit the amount of said collapsing so that the range of movement of the pins is held to a predetermined amount, said movement being such that the points of the pins, when the plates are collapsed, are separated the same distance as the offsets when the plates are brought to the same plane.

5. An article carrier comprising two plates hinged together, each provided with pins carried along the edge remote from the hinge and behind the plane of the plate, the pins pointing away from the hinge, and a spring carried by the rear of one plate and extending across the hinge to bear on the other plate and tend to move it into the same plane as the first plate, the spring being flexed when the plates are collapsed to cause the points of the pins to be brought closer to one another, each of the plates carrying a forwardly extending article supporting device adapted to receive an article which extends across the hinge at the front.

6. In combination, two plates hinged together, fabric piercing members carried by the plates and pointed away from the hinge, and means connecting the plates to permit them to be collapsed to a predetermined amount, the points of the piercing members being adapted to rest on the surface of a piece of fabric, when the plates are collapsed and passing through the fabric and moving away from one another behind the fabric when the plates are moved to their other position, and a device for preventing collapsing of the plates.

7. In combination, a article support in the form of two plates hinged together, each provided with pins extending oppositely to the pins on the other plate, a spring carried by one plate and extending across the hinge to engage the other plate and urge it toward the same plane as the first plate, means for limiting the collapsing of the plates, each plate

having an article receiving device, and an article removably engageable with the article receiving devices and extending across the hinge to hold the plates in extended position.

⁵ Signed at New York city, in the county of New York and State of New York, this 22nd day of October, 1929.

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