

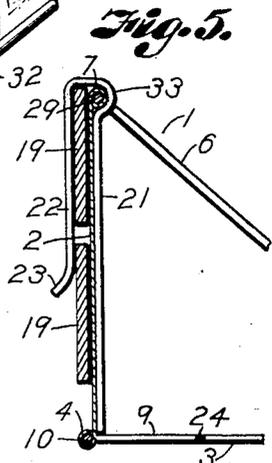
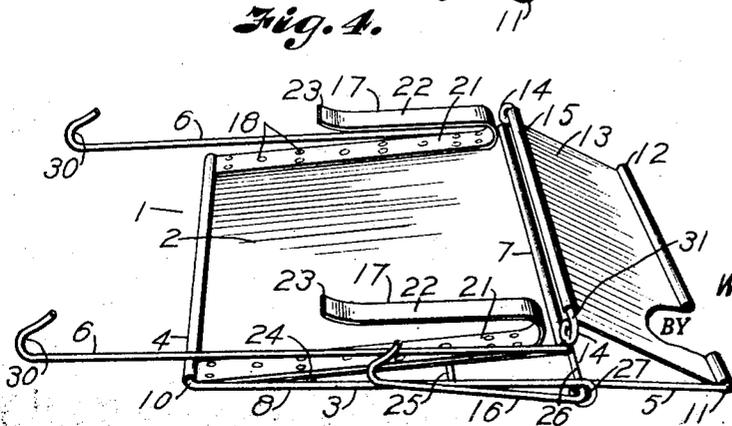
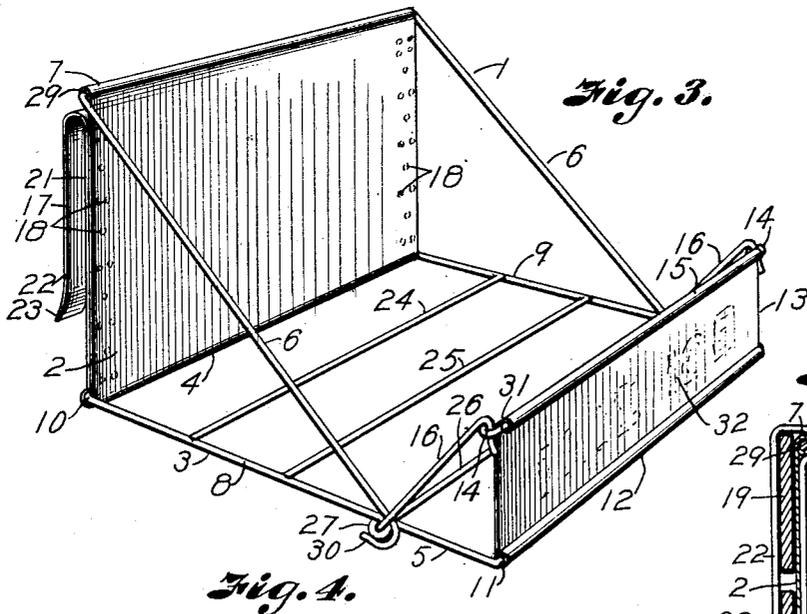
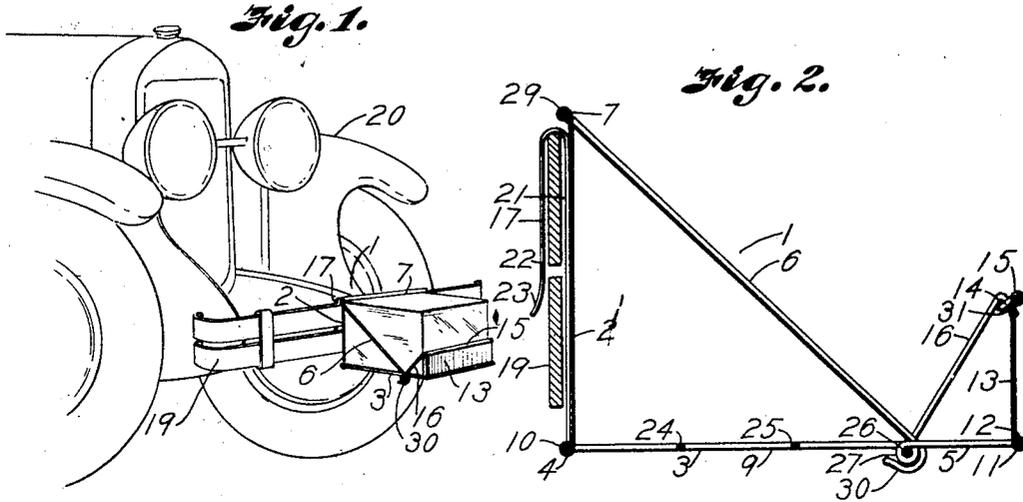
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W. L. BELGARD

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ICE CARRIER

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ICE CARRIER

Application filed June 11, 1928. Serial No. 284,523.

My invention relates to carriers and more particularly to collapsible carriers adapted for engagement with a support such as an automobile, the principal objects of the invention being to support articles from the bumper of an automobile, to provide for folding a carrier into relatively small vertical area and for extending the carrier to receive a relatively large article, and particularly to support a cake of ice from the bumper of an automobile.

In accomplishing these objects I have provided improved details of structure, the preferred forms of which are illustrated in the accompanying drawings, wherein:

Fig. 1 is a perspective view of one of my improved carriers supported from a bumper and containing a cake of ice.

Fig. 2 is a longitudinal sectional view of the device and the supporting bumper.

Fig. 3 is an enlarged perspective view of the device in open position.

Fig. 4 is a perspective view in closed position.

Fig. 5 is a vertical sectional view illustrating a modified form of hanger and method of associating it with the back.

Referring in detail to the drawings:

1 designates a frame or rack comprising a rear member or back 2 and a shelf or bottom 3 hingedly connected with the lower edge 4 of the back and having a free outer end 5 adapted for support by arms 6 hingedly engaged with the opposite edge 7 of the back.

The bottom 3 is perforate and preferably consists of a rod-like element such as a wire bent into rectangular form and comprising side members 8 and 9 and transverse end members 10 and 11. The end member 10 comprises a hinge pin mounted in the preferably rolled edge 4 of the back, and the number 11 pivotally supports the rolled edge 12 of a face plate or front wall member 13. Eye-like hooks 14 are provided at the corners of the upper edge 15 of the face member, which are engageable by latching arms 16 rotatably connected with the bottom 3, as presently described, whereby the face plate may be retained in angular relation with the bottom.

Hangers 17 are attached to the back by suitable fastening means 18 for mounting the frame on the bumper 19 of an automobile 20. The hangers preferably comprise straps 21 extending along a surface of the back adjacent its vertical edges and having down bent portions 22 provided with out turned ends 23 adapted for extension over the bumpers.

Cross bars 24, 25, and 26 extend transversely of the bottom and are supported therefrom by suitable means, such as welding in the case of bars 24 and 25. The bar 26 preferably comprises a rod-like member rotatably mounted in bearing openings 27 of the side members and the latches 16 preferably comprise angularly bent portions of the member 26. The bearing openings are produced by bending the outer end of the bottom to form loops in the side members in which the bar 26 is mounted.

The arms 6 comprise outbent portions of a rod-like member 29 rotatably mounted in the rolled upper edge 7 of the back, and hooks 30 on the outer ends of the arms are engageable with the bottom, for example with the transverse bar 26, to support the outer end of the pivotal bottom in angular relation with the back, and preferably inclining slightly upwardly from the back, at an angle of approximately 85 degrees.

The hooks 14 on the face plate 13 with which the face-supporting members 16 are engageable preferably comprise the bent ends of a rod-like member 31 rotatably engaged with the upper edge 15 of the face member 13, which is preferably rolled to receive the member 31.

Advertising and similar indicia 32 may be installed on the face.

The back member may comprise a sheet or plate, for protecting the bumper, in which case the fastening means 18 may be welds.

The hangers may be attached to the rear surface of the back or as illustrated in Fig. 5 they may be attached to the front face thereof, in which case the strap is bent to provide a recessed portion 33 for fitting over the rolled upper edge of the back. The modified

form provides for retaining the back in close relation with the bumper, and also for supporting the upper edge of the back and reinforcing the same against the weight of ice bearing on the bottom and pulling on the upper edge of the back through the arms.

When the device is to be mounted, the hangers 17 are engaged with the support, for example, a rear bumper, the arms 6 are shifted so that their hooks 30 may engage the bottom for supporting the bottom in a position inclining upwardly slightly from the horizontal and the face member is pivoted for engagement by the hooks 16. A cake of ice or similar object may be deposited in the device and will be securely supported thereby, while being transported, the tilted position of the bottom causing the ice to bear against the back. The perforated character of the bottom provides for drainage and the plate like character of the back protects the bumper from soiling. The curved ends of the hooks may be utilized to engage a protective covering that may be installed over the ice.

The hooks 30 may be disengaged from the bottom and the hook members 16 released from the face, and the face and back rotated into substantial parallelism with the bottom, the arms extending substantially in the plane therewith, for storage of the device.

It is apparent that the face and bottom may be unlatched and pivoted into retracted position, and the device thus folded carried by the bumper.

The facing member may be utilized for advertising material which may be installed by the firm which provides the device for the purchaser of the ice.

What I claim and desire to secure by Letters Patent is:

1. In a carrier, a bottom comprising a rod-like structure having side members, end members and transverse members, a back having one edge connected with one of said bottom members, means connected with the other edge of the back for engaging another of said bottom members, a front wall having one edge connected with one of said bottom members, and means connecting the other edge of the front wall with the bottom.

2. In a carrier, a bottom comprising rod-like sides bent over on themselves to form bearing loops, and transverse rod-like back and front end members, a back having one edge pivotally engaged with the back end member, a bottom-supporting member comprising a wire having a body pivotally engaged with the other edge of the back and arms adapted to engage the bottom, a face plate having one edge pivotally connected with the front end member, and face plate-latching means comprising a rod-like member pivotally supported in the bearing loops

of the bottom and having hooks engageable with the other edge of the face plate.

3. In a carrier, a bottom including end members and side members, a back pivotally connected with one of said end members and having means for vertical mounting on a support, a face plate pivotally connected with the other end member and having a rolled edge, means for supporting the bottom from the back in angular relation therewith, and means for retaining the face plate in angular relation with the bottom including a rod rotatably mounted in said rolled edge and having end hooks, and a rod rotatably supported by the bottom and having out bent portions engageable with said end hooks.

4. In a carrier, a bottom comprising a wire-like structure including side members and front and rear end members, a back having a rolled portion to receive said rear end members rotatably and a rolled portion to receive a bottom-retaining latch, a face member having a rolled edge for rotatable mounting on the front end member and hooks on its opposite edge, a latch pivotally mounted in the second named rolled portion of the back, means for engaging the latch with the bottom for supporting the free end thereof, and means for retaining the face member in pivoted position including a member pivotally engaged with the bottom and having means for engaging the hooks of the face member.

5. In a carrier of the character described, a rack including wire members bent to provide bottom members and back-engaged bottom-supporting members, and a back, and support-engaging means including a hanger comprising a portion secured to the front face of the back, a portion conforming to the upper edge of the back, and a downbent portion for engaging the support.

6. In a carrier of the character described, a rack comprising a back, having a rolled upper edge portion, a bottom including a transverse rod pivotally engaged with the lower edge of the back, means for supporting the free end of the bottom including a rod-like member pivotally mounted in said rolled edge of the back, and hangers comprising strap portions secured to the front surface of the back, loop portions engaging the rolled portions of the back, and clamping portions adapted for engagement with a support.

In testimony whereof I affix my signature.
WILFERD L. BELGARD.