W. H. MOORE
ATTACHMENT FOR BOATS.
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ATTACHMENT FOR BOATS.

1,220,876.


UNITED STATES PATENT OFFICE.

Patented Mar. 27, 1917.

To all whom it may concern:

Be it known that I, Wardlow H. Moore, a subject of the King of Great Britain, residing at Advocate Harbour, in the Province of Nova Scotia and Dominion of Canada, have invented certain new and useful Improvements in Attachments for Boats; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

This invention relates to attachments for boats and has for its object to provide a yieldable cushioning element detachably connected with the sides of a boat for insuring against injury to the latter when the boat is docked.

Another object is the provision of an attachment which shall increase the buoyancy of the boat and keep it afloat should it be damaged from any cause whatever.

With these and other objects in view, the invention consists in the novel construction, combination and arrangement of parts as will be hereinafter specifically described, claimed and illustrated in the accompanying drawing, in which:

Figure 1 represents a bottom plan view of a boat illustrating the attachment applied thereto,

Fig. 2 represents a side elevation of the boat,

Fig. 3 represents a fragmentary side elevation of the boat, illustrating the attachment in a collapsed condition.

Fig. 4 represents a transverse sectional view through the attachment, illustrating a fragment of the boat,

Fig. 5 represents a sectional view similar to Fig. 4, illustrating the attachment in a collapsed condition, and

Fig. 6 represents a fragmental longitudinal sectional view through the attachment removed from the boat.

Referring to the drawing in detail, where-in similar reference numerals designate corresponding parts throughout the several views, the numeral 10 indicates generally a boat of the usual or any preferred construction to the sides of which is secured a continuous rim or support 11, preferably arranged adjacent the gunwale of the boat and having the outer surface thereof concaved, as indicated at 12.

An endless cover or casing 13 is secured in the concave portion of the support 11 and is preferably constructed of water-proofed fabric, leather or other comparatively tough and durable material. The adjacent longitudinal edges of the cover or casing 13 are formed with eyes 14 in which is laced a cord or other flexible member 15 adapted, when drawn tightly to draw the adjacent edges of the cover or casing together.

A plurality of inflatable inner tube sections 16 are supported in the cover 13 and are preferably four in number, two of the sections being engaged about the bow and stern of the boat 10 and the other two sections being extended along the sides of the boat intermediate the ends of the front and rear sections, as clearly shown in Fig. 1. Each section is provided with a preferred type of valve 17 to permit of it being inflated by a pump or other suitable device.

In use, the cord 15 is loosened and the several tube sections 16 are inflated with air or gas and the cord 15 is subsequently drawn so as to draw the cover or casing 13 tightly about the tube section 16 for supporting and protecting the latter. When inflated, the sections provide a cushioning element for preventing injury to the sides of the boat when docking and also increase the resiliency of the boat and render it practically unsinkable. When not in use the sections 16 are deflated by opening the valves 17 and the draw cord 15 is pulled, thereby drawing the adjacent edges of the cover or casing together and completely enclosing the inner tube sections 16 therein, as clearly shown in Fig. 5.

What is claimed is:

1. The combination with a boat, of a continuous rim secured to the sides adjacent the gunwale of the boat, said rim having its outer face concaved, a flexible and collapsible cover or casing, arranged in said concaved face of the rim, a plurality of inflatable and collapsible tubes, supported in said cover or casing, flexible means for supporting said cover or casing about said tubes, and means for collapsing said cover or casing.

2. The combination with a boat, of a continuous rim having a concaved face secured
to the outer sides and adjacent the gunwale of the boat, a flexible and collapsible cover or casing arranged in the concaved face of the rim, a plurality of inflatable and collapsible tubes supported in said cover or casing, and flexible means arranged in the adjacent edges of the cover or casing supporting the same snugly about the tubes, and means for inflating the tubes in the casing.

In testimony whereof I affix my signature in presence of two witnesses.

WARDLOW H. MOORE.

Witnesses:

W. E. DUNKERTON,
P. E. MORRIS.

Copies of this patent may be obtained for five cents each, by addressing the “Commissioner of Patents Washington, D. C.”