No. 841,719. PATENTED JAN. 22, 1907.

A. ROSS.

COLLAPSIBLE AWNING FOR BOATS.

APPLICATION FILED MAY 16, 1906.

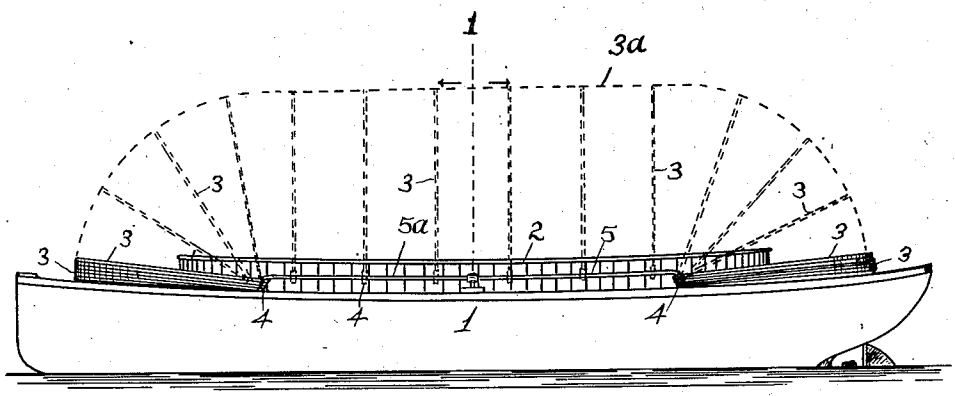


Fig 1

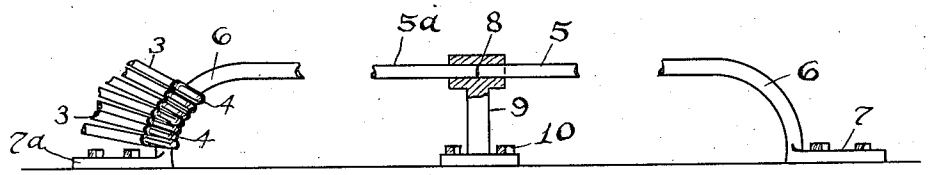


Fig 2

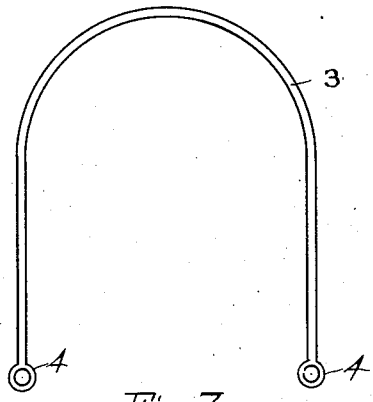


Fig 3

Alexander Ross Inventor

Witnesses

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UNITED STATES PATENT OFFICE.

ALEXANDER ROSS, OF CAMBRIDGE, MASSACHUSETTS.

COLLAPSIBLE AWNING FOR BOATS.

No. 841,719. Specification of Letters Patent. Patented Jan. 22, 1907.

Application filed May 16, 1906. Serial No. 317,173.

To all whom it may concern:

Be it known that I, ALEXANDER ROSS, a citizen of the United States, residing at Cambridge, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Collapsible Awnings for Boats, of which the following is a specification.

My invention relates to collapsible awning or canopy frames for boats.

The object of my invention is to provide means for supporting canopies or coverings for launches or other small boats.

Further objects and advantages will be more fully described herein, and specifically pointed out in the claims, recourse being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is an elevation of a boat, showing the frames when not in use by full lines and when employed by dotted lines. Fig. 2 is a fragmentary side elevation of the runner or deck rods, and Fig. 3 is a front elevation of one of the U-shaped frames for supporting the canvas covering or awning.

In the drawings like reference-numerals indicate similar parts in all the views.

1 is the hull of a boat, having the coaming 2 surrounding the cockpit in the usual manner.

3 represents U-shaped or arched sliding frames upon which the canvas covering is sewed, as shown by the dotted lines 3^a in Fig. 1. The two ends of the frames 3 are provided with eyes or rings 4 to permit them to slide upon the rods 5 and 5^a. Each rod has a curved end 6, the rods being placed on each side of the cockpit or coaming 2 and extending fore and aft, as shown in Fig. 1.

7 and 7^a, Fig. 2, are bolt or screw pads for fastening the rods 5 and 5^a to the deck.

8 is the junction-point for the free ends of the rods 5 and 5^a and are inclosed by the sleeve of the standard 9, held to the deck by the screws 10, as shown.

This arrangement permits the removal of the frames 3 from the rods when required.

Referring to Fig. 1, the full lines 3 show the frames in position when they are not in use. Hence the canvas covering will be folded upon the deck at the bow and stern of the vessel, though for clearness I do not show the covering.

To use my invention, having the covering suitably secured to the frames, the latter are lifted and then pulled amidship to the position of the dotted line 1 in Fig. 1 and fastened by suitable means.

The invention provides a simple and easily-operated apparatus forming an efficient covering and adapted for small boats, such as yacht-tenders, launches, and the like, and as the invention is clearly shown in the drawings further description is not deemed necessary.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. An apparatus of the class described and in combination with a boat, a plurality of rods along the length thereof, and a series of loop or ring ended frames slidably positioned thereon, said frames adapted to be spaced from the fore and after portion of the boat to amidship.

2. An apparatus of the class described and in combination with a boat and its coaming, of a series of U-shaped frames having rings at their ends, a plurality of curve-ended rods secured to the deck and upon both sides of the coaming for slidably mounting said frames, said frames adapted to be extended toward the longitudinal center of the boat and to close together at the fore and after portion thereof.

3. An apparatus of the class described and in combination with a boat and its cockpit and coaming, of curve-ended rods on each side of the said cockpit and coaming, said rods having straight ends in abutting relation at the center or amidship portion of the boat, a sleeved standard or support for holding two free or straight ends of a set of the rods, a plurality of arched frames having their ends bent into a loop or eye, said frames adapted to slide from both ends of the boat to the amidship portion thereof.

4. An apparatus of the class described and in combination with a boat and its cockpit and coaming, of a plurality of rods or rails having a straight and a curved end, a plurality of ring-ended U-shaped detachable frames adapted to slide upon said rods to the amidship portion of the boat and to close together and have a fulcrum upon the curved ends of the rods at the ends of the cockpit

and coaming, screw means for fastening said curved portions to the deck, and a centrally-disposed screw-fastened standard adapted to secure two free or straight ends of the rods, said standard secured to the deck on each side of the cockpit and coaming.

In testimony whereof I have hereunto affixed my signature in the presence of two witnesses.

ALEXANDER ROSS.

Witnesses:
LEANDER D. LOVELL,
CHAS. A. GREENE.