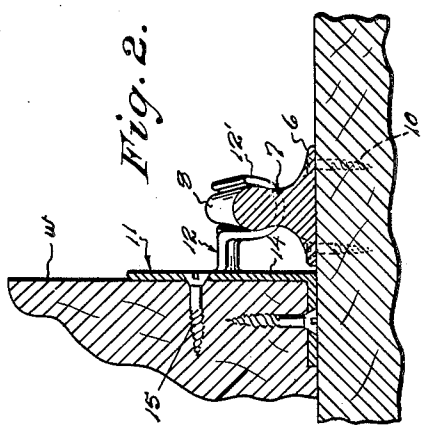
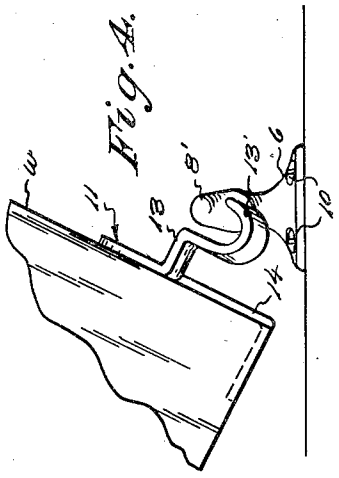
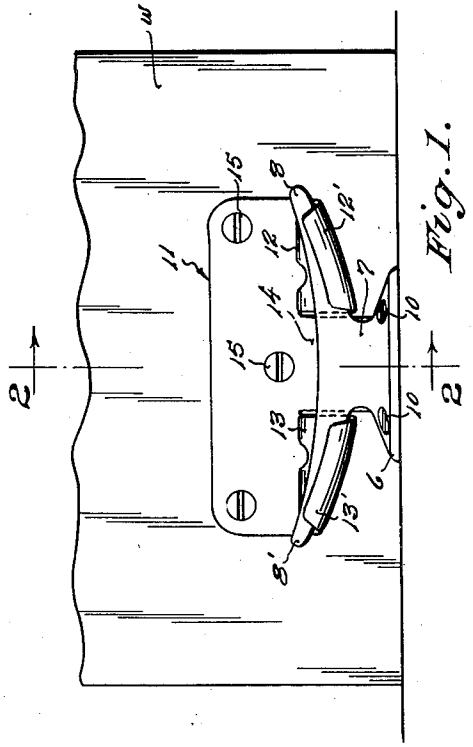
Aug. 17, 1943. B. F. KEHRER 2,327,273

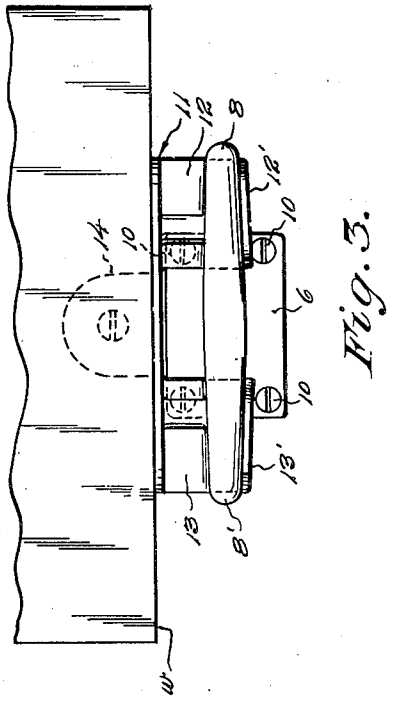
ACCESSORY FASTENING FOR MARINE VESSELS

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ACCESSORY FASTENING FOR MARINE VESSELS

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5 Claims. (Cl. 114—218)

This invention relates to a deck fastening for marine vessels, and especially to such a fastening as will permit of the ready attachment and detachment, at a selected point upon the vessel's deck, of accessory equipment. The present invention is expected to find its greatest usefulness on pleasure craft, and I mention, as one of many pieces of accessory equipment to which the same lends itself, the depth-warning device illustrated and described in my co-pending application for Letters Patent of the United States filed April 21, 1941, Ser. No. 389,520.

It is a particular and principal object of my invention to devise structure for the above purpose which includes a standard marine cleat as the deck-secured anchoring element for another and complementing member which is fixedly secured to the accessory, the use of a cleat being of especial import in that it is a standard fitting for a pleasure craft, in consequence meeting the objection which most yachtsmen would have to the presence of any foreign fixture upon or about the deck, and also presenting a general-use fitting which can be employed for other purposes than that of anchoring the accessory piece during such periods as the latter is not in use and is stored within the cabin. It is a further and a particular object of the invention to devise interconnecting fittings for the described purpose including, with the cleat, an accessory-carried member so designed as to permit the same to be easily fitted to the accessory for proper registration with the cleat without the necessity of preliminarily transposing measurements from the cleat to the accessory.

The foregoing, with still further objects and advantages, will appear in the course of the following detailed description and claims, the invention consisting in the novel construction and in the adaptation and combination of parts hereinafter described and claimed.

In the drawing:

Figure 1 is an end elevation illustrating the now preferred embodiment of the present invention with the parts in interconnected position, namely with the accessory-carried member hooked under the arms of the cleat, and representing the casing of the accessory fragmentarily.

Fig. 2 is a longitudinal vertical section taken on line 2—2 of Fig. 1.

Fig. 3 is a top plan view of the assembly; and

Fig. 4 is a fragmentary side elevational view illustrating the manner in which the accessory is tilted upwardly through an approximate 30° angle about the arms of the cleat as a pivot for disengaging the hooking terminals of the accessory-carried member from the arms of the cleat.

As will be apparent from an inspection of said drawing, the invention employs, as an anchoring member for the accessory, a standard marine cleat providing a base 6 and having the upstanding neck 7 from which a pair of arms 8—8' extend laterally, the base being secured at a selected point on or about the deck of the craft by screws 10.

Indicated generally by 11 is the complementing accessory-carried member. Such member is formed from a generally rectangular sheet metal blank of a width more or less corresponding to the over-all spread of the cleat, and has cuts extending longitudinally of the blank for the greater part of the sheet's length to produce a central leg 14 lying in intervening relation between wing elements 12 and 13, the spacing between the wing elements being somewhat in excess of the span of the neck portion 7 of the cleat. These wing elements, which operate to perform a hooking function, are turned outwardly at their point of juncture with the root part of the blank and have their outer extremities cupped as at 12' and 13' to an imbricate form arranged to snugly fit a respective arm of the cleat in saddling relation to the underside of the latter.

The member 11 is secured to the end wall *w* of the accessory casing through the instrumentality of screws 15, and it will be clear from the drawing that a proper location of the member upon the accessory is such as will obtain a footing engagement of the accessory with the gunwale, cabin roof, or the deck of the vessel, as the case may be, coincident with a hooking of the wing parts 12' and 13' under the arms of the cleat. Otherwise stated, the member 11 is so placed as to obtain substantial correspondence between the spacing of the hooking terminals above the footing plane of the accessory casing and the spacing of the arms 8 and 8' above the footing plane of the cleat. It is to facilitate such mounting that I employ the central leg 14, using such as a gauge means by bending its free end forwardly at substantially right angles to the general plane of the blank at a measured distance from the bend line of the wings and mortising said forward bend in the bottom wall of the casing.

The invention and the manner of its usage should be clear from the foregoing description

taken with the illustration of my now preferred embodiment. Neither such illustration nor the description are, however, intended to imply any limitations other than as such, as necessary restrictions to distinguish from previous practice in the art of attaching accessory equipment to a marine vessel, are brought into the language of the hereto annexed claims.

What I claim, is:

1. As a fitting for a marine vessel, attachment devices for mounting accessory equipment in which the equipment is arranged to find footing engagement upon a plane surface, and consisting of the combination of an anchoring member comprised of a standard marine cleat having a base part adapted to be secured upon said footing surface and presenting an upstanding neck and paired arms projecting laterally from opposite sides of the neck; and a complementary member detachably associated with the cleat providing a mounting plate arranged to be fixed to an end wall of the accessory piece and having a pair of wing elements extending outwardly from the mounting plate and functioning to perform a hooking function relative to the arms of the cleat, said wing elements being spaced apart a distance generally corresponding to the span of the neck part of the cleat and being each cupped to a shape snugly fitting a respective arm of the cleat in saddling relation to the underside of the latter.

2. A marine fitting according to claim 1 in which the accessory-carried member is stamped from a sheet metal blank and provides, as a means for locating the mounting plate upon the end wall of the accessory, a gauge arm lying between the wing elements and extending downwardly from the mounting plate as a pendant leg thereof with its free end turned forwardly for mortising in the footing wall of the accessory.

3. As a fitting for a marine vessel, attachment devices for mounting accessory equipment in which the equipment is arranged to find footing engagement upon a plane surface, and consisting of the combination of an anchoring member comprised of a standard marine cleat having a base part adapted to be secured upon said footing surface and presenting an upstanding neck and paired arms projecting laterally from opposite sides of the neck; and a complementary member detachably associated with the cleat providing a mounting plate arranged to be fixed to the accessory piece and having outwardly projecting integral wing elements functioning to perform a hooking function relative to the arms of the cleat, said wing elements being spaced apart a distance generally corresponding to the span of the neck part of the cleat and being each terminally cupped to a shape snugly fitting a respective arm of the cleat in saddling relation to the underside of the latter.

4. In combination with a standard marine cleat adapted to be secured upon a vessel, the cleat providing an upstanding neck and paired arms projecting laterally from opposite sides of the neck; an accessory-carried fitting arranged to perform a hooking function with the cleat for detachably mounting the accessory upon the vessel, said fitting comprising a sheet metal body of a general L shape in edge elevation of which the horizontal leg of the L performs the hooking function of the fitting and is of a bifurcate form to straddle the neck part of the cleat with each of its two branches being terminally cupped to a shape snugly fitting the arms of the cleat in saddling relation to the underside of the same, the perpendicular leg of the L being pierced for the reception of screws for attaching the fitting to an end wall of the accessory locating the hooking terminals of the horizontal leg in functional relation to the cleat.

5. As a fitting for a marine vessel, attachment devices for mounting accessory equipment and consisting of the combination of an anchoring member comprised of a standard marine cleat having a base part adapted to be secured upon the vessel and presenting an upstanding neck and paired arms projecting laterally from opposite sides of the neck; and a complementary member detachably associated with the cleat providing a mounting plate arranged to be fixed to the accessory piece and having outwardly projecting integral wing elements functioning to perform a hooking function relative to the arms of the cleat, said wing elements being spaced apart a distance generally corresponding to the span of the neck part of the cleat and being each terminally cupped to a shape snugly fitting a respective arm of the cleat in saddling relation to the underside of the latter.

BERTRAM F. KEHRER.