

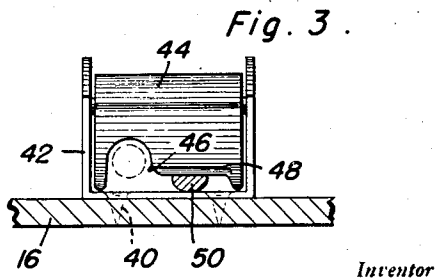
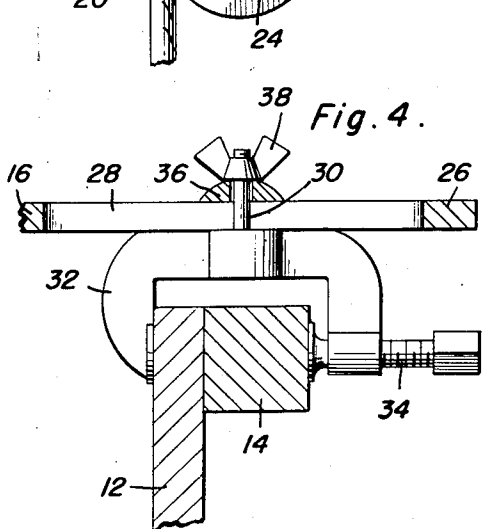
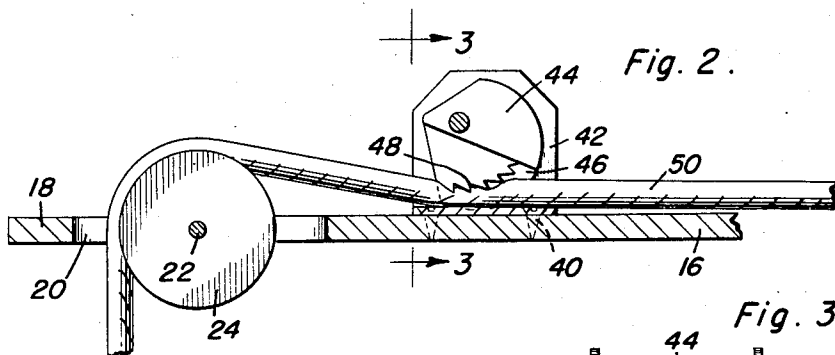
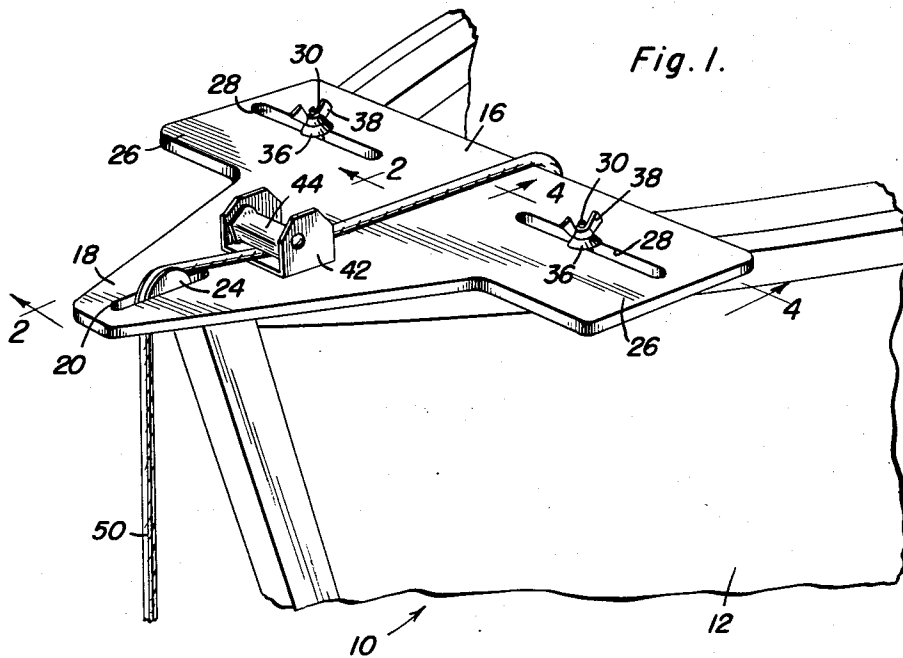
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2,608,174

ADJUSTABLE SAFETY DEVICE FOR BOAT ANCHORS

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ADJUSTABLE SAFETY DEVICE FOR BOAT ANCHORS

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2 Claims. (Cl. 114—199)

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This invention relates to new and useful improvements in boat anchors, and the primary object of the present invention is to provide a boat attachment for adjustably receiving an anchor line or rope.

Another important object of the present invention is to provide an adjustable safety device for boat anchors including a novel and improved gravity-actuated locking member that will grip and prevent sliding movement of an anchor rope relative to a boat.

A further object of the present invention is to provide an adjustable safety device for boat anchors embodying a novel and improved means for detachably securing the same to boats of various sizes or shapes without in any way harmfully affecting or interfering with the normal structure of a boat.

A still further aim of the present invention is to provide an adjustable safety device for boat anchors that is simple and practical in construction, strong and reliable in use, neat and attractive in appearance, small and compact in structure, relatively inexpensive to manufacture, and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a fragmentary perspective view of a boat and showing the present invention applied thereto;

Figure 2 is a longitudinal vertical sectional view taken substantially on the plane of section line 2—2 of Figure 1;

Figure 3 is a vertical sectional view taken substantially on the plane of section line 3—3 of Figure 2; and

Figure 4 is a transverse vertical sectional view taken substantially on the plane of section line 4—4 of Figure 1.

Referring now to the drawings in detail, wherein, for the purpose of illustration, there is disclosed a preferred embodiment of the present invention, the numeral 10 represents a boat generally, having a pair of forwardly converging sides or walls 12 that are reinforced by inner strips 14 at their upper portions.

An elongated base member or plate 16 is supported upon the upper edges of the sides 12 and the strips 14 and includes a forwardly tapered portion 18 that extends forwardly of the boat.

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The portion 18 is provided with a longitudinal slot 20 in which there is fixed a shaft or pin 22 that rotatably supports a pulley or guide 24.

The base member 16 also includes a pair of lateral projections 26 that extend outwardly from the sides 12 so that the base member can be applied to boats whose sides are spaced at a predetermined distance, and the projections 26 are provided with elongated slots 28 that are disposed substantially perpendicular to the longitudinal axis of the base member 16.

Bolts or fasteners 30 are slidably received in the slots 28 and are secured to the web portions of C-clamps 32 in any suitable manner. The C-clamps 32 embrace the upper portions of the sides 12 and support clamping screws 34 that are conveniently rotatable to retain the clamps relative to the sides 12.

The bolts 30 receive bearing washers or plates 36 that bear against the upper surfaces of the projections 26. Nuts 38, preferably of the wing type, are threaded on the upper ends of the bolts 30 and urge the washers 36 against the projections for retaining the clamps 32 disposed in selected adjusted positions relative to each other and to the base member.

Detachably secured to the base member 16, by fasteners or the like 40, is the web portion of a substantially U-shaped support 42.

An eccentrically pivoted roller or gravity-actuated locking member 44 is mounted between the legs of the support 42 and includes a concaved recess 46, adjacent one end. The lower surface of the member 44, adjacent the recess 46, is provided with a toothed or serrated surface 48.

In practical use of the present invention, an anchor rope or anchor supporting element 50 is trained over the pulley or guide 24 and extends downwardly through the slot 20 where the same is secured to a suitable anchor. The rope 50 extends between the member 44 and the web of the support 42 and into the boat. The member 44 is gravity-actuated so that its toothed surface is urged downwardly to grip the rope and force the rope against the web of the support 42. Any downward pull on the rope 50 by the anchor will tend to swing the toothed surface 48 downwardly and forwardly, thereby preventing disengagement of the rope with the member 44.

To disengage the rope from the surface 48, the rope is pulled laterally of the member 44 so that the rope will enter the recess 46.

In view of the foregoing description taken in conjunction with the accompanying drawings, it is believed that a clear understanding of the device

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will be quite apparent to those skilled in this art. A more detailed description is accordingly deemed unnecessary.

It is to be understood, however, that even though there is herein shown and described a preferred embodiment of the invention, the same is susceptible to certain changes fully comprehended by the spirit of the invention as herein described and within the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. An adjustable safety device for boat anchors comprising a base member, means carried by the base member for detachably securing the base member to a supporting structure, a guide mounted on said base member, a flexible anchor supporting element trained over said guide, and means on the base member remote from the guide for locking said anchor supporting element to the base member, said means detachably securing said base member to a supporting structure including a pair of C-clamps, and means slidably adjustably securing said C-clamps to said base member.

2. In a boat having a pair of forwardly converging sides, an adjustable safety device for a boat anchor comprising, an elongated base member supported by the sides of the boat and having a pair of lateral projections projecting outwardly of the sides of the boat, a substantially U-shaped support fixed to the base member, a ro-

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tatable member mounted on the support and having a toothed surface for gripping an anchor rope, a guide mounted on the base member adjacent the support for receiving an anchor rope, slots provided in said lateral projections, fasteners slidably received in said slots, and clamps mounted on said fasteners for gripping the sides of the boat.

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