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ANCHOR.
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1,011,622.

Patented Dec. 12, 1911.

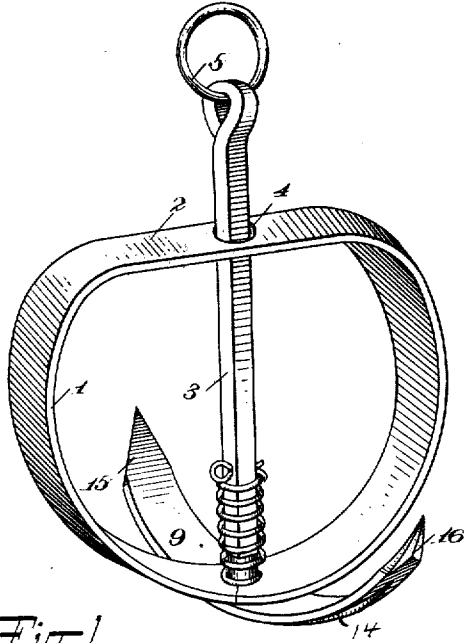


Fig. 1.

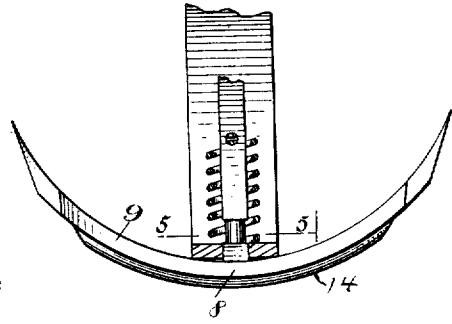


Fig. 2.

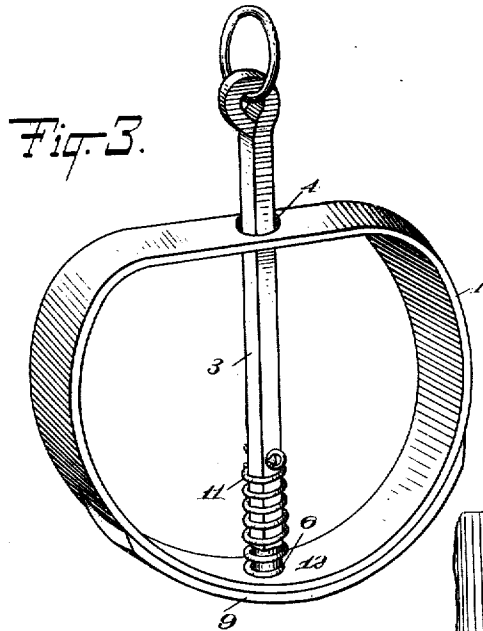


Fig. 3.

Fig. 4.

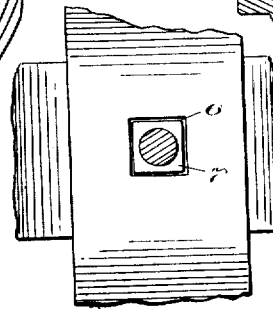
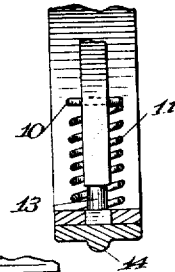


Fig. 5.

WITNESSES

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1,011,622.

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To all whom it may concern:

Be it known that I, HARRY NORTON JACKSON, a citizen of the United States, and a resident of Babylon, in the county of Suffolk and State of New York, have invented a new and Improved Anchor, of which the following is a full, clear, and exact description.

This invention relates to a new and improved form of anchor, and an object of my invention is to provide an anchor which will be of such construction that when not in use, it will lie flat upon the deck or along the side of a vessel and not take up any unnecessary room, and, further, will accomplish all the purposes of the present form of anchor, and which can be instantaneously folded. I attain these objects by positioning a shank for rotation within a substantially circular framework and by extending from the end of the shank oppositely-disposed flukes, so arranged and disposed that the flukes may fit about the surface of the framework or may be swung at an angle thereto to take substantially the form of the ordinary shaped anchor.

With the above and other objects in view, as will more fully hereinafter appear, the present invention consists in certain novel details of construction and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and more particularly pointed out in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures, and in which—

Figure 1 is a perspective view showing a preferred embodiment of my invention, with the flukes in open position; Fig. 2 is a transverse sectional view through the flukes and their attachment to the framework and shank; Fig. 3 is a view similar to Fig. 1 but showing the flukes in closed position; Fig. 4 is a side elevation showing the spring connection between the shank and the frame; and Fig. 5 is a plan view taken on the line 5—5 of Fig. 2 looking in the direction of the arrow and showing the connection between the several pivoted members.

In the disclosure I have shown a substantially cylindrical frame 1, of a width substantially equal to the width of the flukes hereinafter described and having the upper

portion thereof slightly flattened, as shown at 2. Vertically disposed diametrically across this portion 2 of the frame, is a shank 3, preferably rectangular in cross section, one end of which shank passes through an aperture 4 centrally of the flat portion 2 upwardly into the customary form of hook end and ring construction 5. The lower end of the shank 3 passes through a square-shaped aperture 6 diametrically opposite the circular opening 4 in the frame 1 and is rigidly affixed to a block 7 mounted at the center 8 of an arch-shaped fluke 9 which extends outwardly and upwardly from its point of attachment to the shank 3 and is of substantially the same curvature and configuration as the lower part of the frame 1, so that, as shown in Fig. 3, this fluke fits closely against the outer and the lower part of said frame. A pin 10 passes through the shank 3 a short distance above the frame 1, which forms a bearing for the upper end of an extension spring 11, which encircles the lower part of the shank 3 and rests upon the inner face 12 of the frame 1, thereby tending to force the block 7 up into the similarly shaped recess 6. Just adjacent the block 7, the shank 3 is rounded, as shown at 13, so that as the shank 3 is forced down against the action of the spring 11, the block 7 is forced out of engagement with the aperture 6, whereby the fluke 9 may be rotated in either direction until the flukes take a position at substantially right angles to the plane of the frame 1; then by releasing the pressure on the spring 11, the block 7 will reseal itself in the aperture 6, and due to the fact that both the block 7 and aperture 6 are rectangular in cross section, it is possible for the frame and flukes to change their relative positions, due to the pressure of the spring 11.

In order to strengthen and reinforce the fluke 9, there is depending from the under side, a reinforcing strengthening rib 14 extending from adjacent one of the pointed ends 15, to adjacent the other pointed end 16, as clearly shown in Fig. 2.

Many changes could be made in the above construction and many apparently widely different embodiments of this invention could be made without departing from the scope thereof.

It is intended that all matters contained herein, in the above description, or shown in the accompanying drawings, shall be in-

terpreted as illustrative and not in a limiting sense. It is also to be understood that the language used in the following claims is merely intended to cover all the generic and specific features of the invention herein described and all statements of the scope of the invention, which, as a matter of language, might be said to fall therebetween, and that materials, sizes and relativities of parts are non-essential, except as called for in the claims.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. In a foldable anchor, a frame of substantially cylindrical shape having a square opening in one side thereof and a circular opening in the opposite side, a shank passing through each of said openings, a square block disposed on the end of said shank, a fluke rigidly affixed to said block and conforming in shape to the shape of the adjacent part of said frame, a pin carried by said shank, and a spring disposed about said shank bearing on said pin and on said frame, whereby said block is normally re-

tained in said square opening and whereby said fluke is held in position relative to said frame.

2. In a foldable anchor, a substantially circular-shaped framework, a rotatable shank passing diametrically through said framework, a fluke rigidly mounted on said shank, and means holding said fluke in the plane of said frame or at an angle to said plane.

3. In a foldable anchor, a substantially circular-shaped frame, a shank diametrically disposed and rotatable in said frame, a fluke rigidly mounted on said shank, and a spring encircling said shank bearing on said shank and said frame, whereby said fluke is normally kept in engagement with said framework.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HARRY NORTON JACKSON.

Witnesses:

WM. G. NICOLL,
CLINTEN M. WEEKS.

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