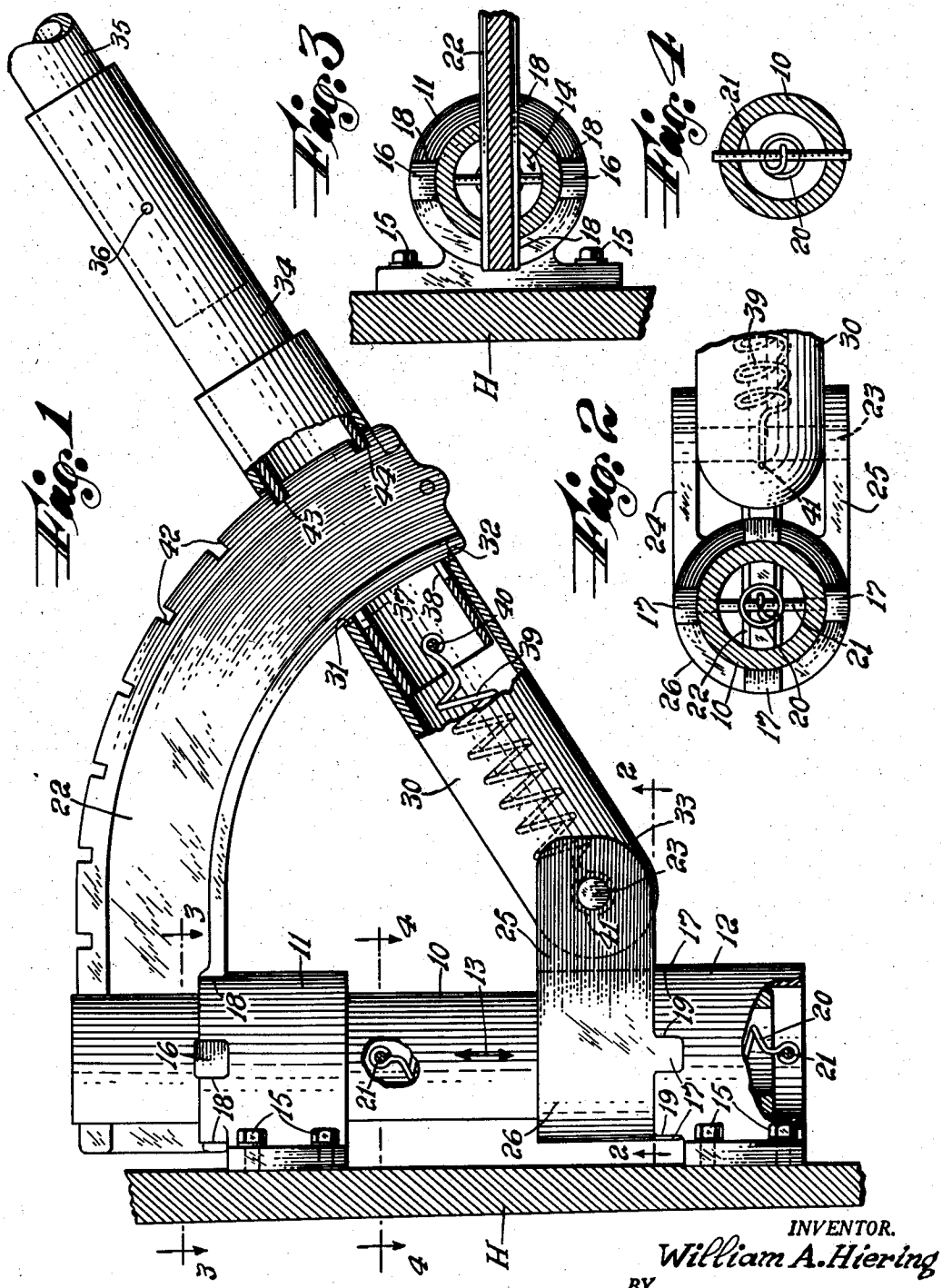
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TROLLING DEVICE

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TROLLING DEVICE

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This invention relates to an outrigger trawling device adapted to be secured to the outside of a boat hull at preselected positions. The device of the present invention is of a sturdy construction and enables the adjustment of the position of the outrigger fishing pole to be made rapidly and accurately in two planes, in a novel arrangement such that a change of position of the outrigger fishing pole may be made in vertical and horizontal directions rapidly and accurately, and the parts locked in their selected position against accidental displacement.

Examples of practical devices embodying the invention are described below and in the accompanying drawings; the invention is not limited thereto, but covers all other forms coming within the scope or purview of the disclosure herein.

In the drawings:

Fig. 1 is a vertical, elevational view, partly fragmentary and sectional, of a trawling device embodying the invention,

Fig. 2 is a horizontal sectional view thereof, taken at line 2—2 of Fig. 1,

Fig. 3 is a horizontal sectional view, taken at line 3—3 of Fig. 1, and

Fig. 4 is a horizontal sectional view taken at line 4—4 of Fig. 1.

As shown in the drawings, the device of this invention comprises an elongated tube **10** journalled in the apertured brackets **11, 12** for slidable vertical movement and for horizontal rotation in said brackets, as indicated by the arrows **13**, Fig. 1, and **14** in Fig. 3. The brackets may be secured to the boat hull H (Figs. 1 and 3) by any suitable bolt or other means **15**. The elongated tube **10** and brackets are provided with complementary intergaging means to interlock the tube with the brackets in preselected position and hold the tube so interlocked against accidental displacement. Said means may comprise a plurality of studs **16, 17** extending outwardly of the elongated tube at two axially spaced points therealong (Fig. 1) and recesses **18, 19** (Figs. 1 and 3) in the spaced brackets, to receive said studs. Spring means may be provided engaging the elongated tube and urging the same downwardly in the brackets to move the studs thereof into the bracket recesses, such as (Fig. 1) a spring **20** secured, at opposite ends, to a pin **21** fixed to the bracket **12** and to a pin **22** fixed to the tube **10**. The pin **21** may extend through the tube **10** (Fig. 4) so as to limit the extent of sliding movement of the tube **10** in the brackets **11** and **12** in an upward direction. The tube **10** is provided with an arcuate positioning blade **22** secured thereto in any desired or convenient manner, so proportioned and arranged that it will register with the recesses **18** in the bracket **11** and thus dispense with the necessity for any stud on said tube for registration with recesses **18** of blade **22**, or may be additional to studs **16** on tube **10** to engage the bracket recesses **18**. Blade **22** extends from the upper end of the tube **10** at a radius drawn from a fixed pivot point **23** disposed outwardly of tube **10**. Outwardly

extended parallel arms **24, 25** (Fig. 2) are secured to tube **10** directly or through a circular fitting **26** fixed to the tube **10** so as to essentially form a part thereof; said arms **24, 25** extend and serve as a pivot point or bearing for a hinge tube **30** which is thus pivotally mounted at **23** on said elongated tube **10**. The hinge tube **30** has diametrically aligned openings **31, 32** therein to freely receive the positioning blade **22**. A position locking tube **34** is slidably disposed in the hinge tube **30**; the outrigger fishing pole **35** may (Fig. 1) be secured thereto by a pin **36** passing through both of said members. Locking tube **34** is provided with diametrically aligned openings **37, 38** preferably proportioned to freely receive the positioning blade **22**. The locking tube **34** is normally urged slidably downwardly in hinge tube **30** toward the pivot point **23** to urge the marginal portions of the locking tube **34** defining diametrically aligned openings **43, 44** therein into contact with the arcuate positioning blade **22**. This sliding engaging action for securing the locking tube **30** at the desired preselected position on positioning blade **22** may be attained by spring means **39** (Fig. 1) secured at opposite ends **40, 41** to the locking tube **34** and to the pivot pin **23**, notches **42** being provided at spaced points along the positioning blade with which the marginal edges of the locking tube defined by the openings **43, 44** therein may selectively engage.

From the foregoing, it will be seen that the tube **10** and arcuate positioning blade **22** and the arm **26** are essentially unitary, carrying the hinge tube **30** and associated parts and that all of the mentioned parts may be moved axially of the boat by rotating the tube **10** in the brackets **11** and **12**, the angular position of the outrigger fishing pole **35** relative to hull H, being adjusted by movement of the locking tube **34** first axially in tube **30** to move the marginal edges **43, 44** defining the diametrically aligned openings in the tube **34** clear of the positioning blades **22** and then sliding the locking tube **34** therealong to the desired point; the locking tube is then released and will move into engagement with the preselected slot **42** in the blade **22**.

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

1. An outrigger trolling device for securing an outrigger fishing pole to a boat hull at preselected positions outwardly of the hull comprising brackets adapted to be secured to the hull in vertically spaced relation and having openings therethrough axially aligned when the brackets are so secured to the hull, an elongated tube vertically slidably and horizontally rotatably positioned in said bracket openings, complementary interengaging means on said tube and brackets to interlock the tube with the brackets in preselected position and hold it so interlocked against accidental displacement, an arcuate positioning blade extending from said tube, a hinge tube pivotally mounted, at one end, on said elongated tube, said hinge tube having diametrically aligned openings spaced from the pivotally mounted end of said hinge tube freely receiving the positioning blade so that the hinge tube may be rotated on its pivot point and thereby moved along the positioning blade.

2. In an outrigger trolling device as set forth in claim 1, means limiting the excess sliding movement of the elongated tube vertically in said brackets.

3. In an outrigger trolling device as set forth in claim 1, complementary interengaging means on said hinge tube and positioning blade for interlocking the hinge tube preselected position relative to the positioning blade and to hold it so interlocked.

4. In an outrigger trolling device as set forth in claim 1, said complementary interengaging means on the elongated tube and brackets comprising projections and recesses to receive the projections.

5. In an outrigger trolling device as set forth in claim 1, said complementary interengaging means on the elongated tube and brackets comprising studs extending outwardly of the elongated tube and recesses on one of the brackets to receive said studs.

6. In an outrigger trolling device as set forth in claim 1, said complementary interengaging means on the elongated tube and brackets comprising studs extending outwardly of the elongated tube at two longitudinally spaced points thereon and recesses on each of the brackets to receive said studs.

7. In an outrigger trolling device as set forth in claim 1, a position locking the tube slidably disposed in said hinge tube, adapted to receive an outrigger pole, diametrically aligned openings in said locking tube freely receiving said positioning blade, and complementary means on the locking tube and positioning blade for interlocking the locking tube in preselected position on the positioning blade.

8. In an outrigger trolling device as set forth in claim 7, said complementary means on the locking tube and positioning blade comprising spring means engaging the locking tube and urging the same toward the pivot point of the hinge tube thereby urging the marginal edges of the locking tube defining said diametrically aligned openings into engagement with the locking tube to thereby interlock the locking tube in preselected position along the positioning blade.

9. In an outrigger trolling device as set forth in claim 7, said complementary means on the locking tube and positioning blade comprising notches provided at spaced points along the positioning blade with which the locking tube marginal edges defining the diametrically aligned openings may selectively engage to thereby interlock the locking tube in preselected position along the positioning blade.

10. In an outrigger trolling device as set forth in claim 1, a stop pin secured to the elongated tube and extending therefrom and adapted to abut one of the brackets to limit the vertical movement of the elongated tube in the brackets.

11. In an outrigger trolling device as set forth in claim 6, spring means engaging the elongated tube and urging the same downwardly in the brackets to move the studs thereof into the bracket recesses.

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