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BOAT PORTAGING AND CARRYING DEVICE

Filed June 5, 1967

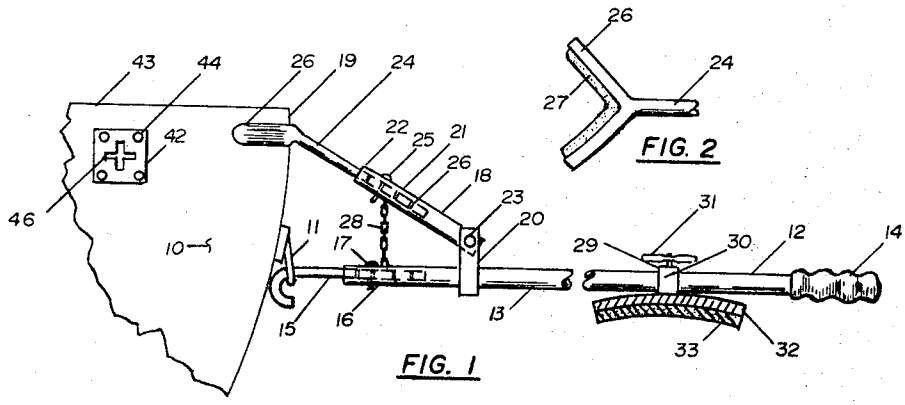

FIG. 1

FIG. 2

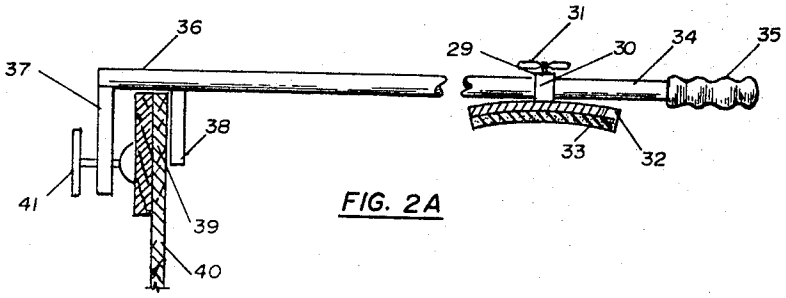

FIG. 2A

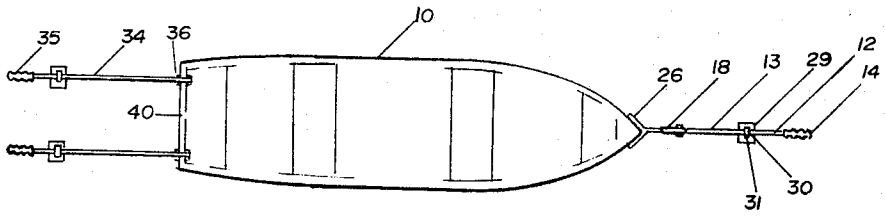

FIG. 3

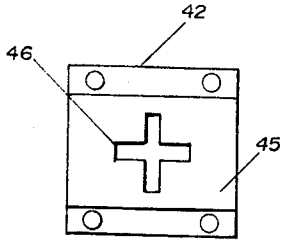

FIG. 4

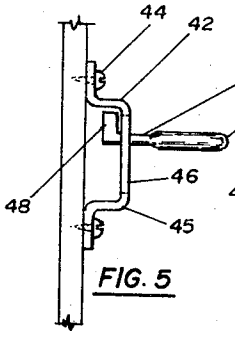

FIG. 5

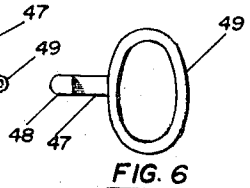

FIG. 6

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BOAT PORTAGING AND CARRYING DEVICE

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ABSTRACT OF THE DISCLOSURE

This device is for portaging or carrying boats and consists of a carrying handle attachable by a hook to the mooring ring at the front of a boat and having a snubber engaging the prow above the hook. Also required is at least one rear carrying handle clampable to the upper edge of the stern and extending rearwardly. Both handles can either be engaged by the hands of the persons carrying the boat or can be supported on the shoulders by shoulder plates secured along the length of the handles.

This invention relates to new and useful improvements in boat portaging and carrying devices.

It is often necessary to portage boats from one lake to another or from one location to another, and although present day boats may be relatively light-weight, nevertheless the size and configuration thereof makes them awkward to carry, particularly when they have to be transported along relatively narrow trails.

We have overcome these disadvantages by providing relatively lightweight, easily attachable devices whereby two men can transport a boat from one location to another readily and easily and at the same time have full visibility at all times.

The first embodiment includes a carrying handle engageable by one end thereof to the conventional ring at the front of the boat and including a snubber which engages the prow. This carrying handle can be manipulated by one man and can either be held in the hand or, alternatively, can be rested upon a shoulder.

In conjunction with this carrying handle, we provide a pair of carrying handles detachably securable to the prow and adapted to be carried by a second man either in the hands or, upon the shoulders.

A second embodiment includes means securable to the side of the boat enabling hand rings to be detachably inserted therein so that a boat can be lifted and carried between a plurality of men.

The principal object and essence of the invention is to provide lightweight, readily detachable and attachable carrying handles for a boat which does not require special attachment to be secured thereto.

Another object of the invention is to provide a device of the character herewithin described in which the carrying components are adjustable within limits to suit different sizes and shapes of boats.

Yet another object of the invention is to provide a device of the character herewithin described which is simple in construction, economical in manufacture, and otherwise well suited to the purpose for which it is designed.

With the foregoing in view, and such other objects, purposes or advantages as may become apparent from consideration of this disclosure and specification, the present invention consists of the inventive concept in whatsoever way the same may be embodied having regard to the particular exemplification or exemplifications of same herein, with due regard in this connection being had to the accompanying figures in which:

FIGURE 1 is a side elevation of the front carrying handle shown attached to the prow of a boat.

FIGURE 2 is a fragmentary top plan view of a portion of the snubber engaging the prow.

FIGURE 2A is a side elevation of one of the rear carrying handles shown attached to a portion of the stern of a boat.

FIGURE 3 is a top plan view reduced in scale showing the rear and front carrying handles being attached to a boat.

FIGURE 4 is a front elevation of an alternative method.

FIGURE 5 is a side view of FIGURE 4 but showing a carrying ring attached to the plate.

FIGURE 6 is a plan view of the carrying ring per se.

In the drawings like characters of reference indicate corresponding parts in the different figures.

Proceeding therefore to describe the invention in detail, FIGURES 1 to 3 inclusive show the preferred embodiment of the device.

Numeral **10** illustrates the prow of a boat having the conventional swivel ring **11** secured thereto which is normally used for mooring purposes.

The front carrying handle collectively designated **12** consists of a carrying handle in the form of an elongated tube **13** having a hand grip **14** upon one end thereof.

A hook component **15** is adjustably attached to the other end **16** of the handle **13** by means of pin **17** and this hook is adapted to engage the aforementioned ring **11** as clearly shown.

A snubber component **18** extends between the handle **13** and the upper portion **19** of the prow. This component includes a securing clamp **20** surrounding the handle **13** and secured thereto and a tube portion **21** of a telescopic unit collectively designated **22** is pivotally secured by means of pivot pin **23**, to the clamp **20**.

A sliding portion **24** engages the tubular portion **21** and is adjustable within limits by means of pin **25** engaging apertures **26** within the sliding component **24**.

This sliding portion **24** engage the tubular portion **21** and is adjustable within limits by means of pin **25** engaging apertures **26** within the sliding component **24**.

This sliding component terminates in a bifurcated end in the form of a V **26'** lined with resilient material **77** and this V engages the upper portion **19** of the prow as shown.

A check chain **28** extends between the component **18** and the handle **13** and limits the upward movement thereof.

A shoulder engaging component **29** is provided along the length of handle **13** and consists of a sleeve **30** clampable along the length of the handle **13** by means of thumb screws **31**.

An arcuate curved plate **32** is secured to the underside of the sleeve and is lined with resilient material **33**, it being understood that this plate **32** is adapted to rest on the shoulder of a man carrying the front of the boat.

FIGURE 2A shows details of the rear carrying handles which include an elongated handle portion in the form of a tube **34** having a handle **35** upon one end thereof.

A shoulder component **29** is provided along the length of handle **34** having similar construction to the shoulder component **29** previously described with relation to FIGURE 1.

Depending from the other end **36** of the handle **34** are spaced and parallel jaw plates **37** and **38** adapted to engage over the upper edge **39** of the stern **40** of the boat and to be secured thereto by means of clamp screw components **41**, it being understood that there is a pair of these rear components detachably securable one upon each side of the stern as shown in FIGURE 3.

In operation, the components are secured to the boat **10** as illustrated in FIGURE 3 whereupon one man carrying the front of the boat with the plate **32** resting upon his shoulder and the second man can support the rear of the boat with the plate **32** resting upon each shoulder, it being understood that he walks between the two rear components.

FIGURES 4 to 6 show an alternative method comprising a rectangular plate **42** securable at intervals around the boat adjacent the thwarts **43** by means of screws **44**.

This plate is stepped outwardly as at **45** and as shown in FIGURE 5 and this outwardly stepped portion is provided with a cruciform aperture **46**.

A carrying hook **47** includes an upper hook portion **48** and a carrying or hand engaging ring **49**.

These are engageable within the cruciform aperture **46** as shown in FIGURE 5 and are locked in position so that a plurality of men can carry a boat clear of the ground by means of these carrying handles.

What is claimed to be the present invention is:

1. Boat portaging and carrying devices comprising in combination a front prow engaging member and at least one rear stern engaging member, said front prow engaging member including an elongated handle, ring engaging means on one end of said handle, and a prow snubbing device attached to said handle between the ends thereof and inclining upwardly and forwardly to engage the prow of the associated boat, said prow snubbing device including a member pivotally secured by one end thereof to said handle and a bifurcated portion on the other end of said member adapted to engage the prow of the associated boat.

2. The device according to claim **1** in which said rear stern engaging member includes an elongated handle and means on one end of said handle adapted to engage over the upper edge of the stern of the associated boat to clamp said rear stern engaging member thereto.

3. The device according to claim **2** in which said member of the prow snubbing device is selectively adjustable in length within limits, and includes a check chain extending from said member to said handle between said one end of said handle and the point of attachment of said member to said handle.

4. The device according to claim **2** in which said means on one end of said handle adapted to engage over the upper edge of the stern of the associated boat includes a pair of spaced and parallel jaws secured to said one end and extending at right angles therefrom and screw threaded clamping means extending through one of said jaws.

5. The device according to claim **2** in which said handle of said front prow engaging member and said handle of said rear stern engaging member both include shoulder engaging means adjustably secured along the length thereof.

6. The device according to claim **3** in which said handle of said front prow engaging member and said handle of said rear stern engaging member both include shoulder engaging means adjustably secured along the length thereof.

7. The device accorded to claim **4** in which said handle of said front prow engaging member and said handle of said rear stern engaging member both include shoulder engaging means adjustably secured along the length thereof.

8. The device according to claim **1** in which said member of the prow snubbing device is selectively adjustable in length within limits, and includes a check chain extending from said member to said handle between said one end of said handle and the point of attachment of said member to said handle.

9. The device according to claim **8** in which said handle of said front prow engaging member and said rear stern engaging member both include shoulder engaging means adjustably secured along the length thereof.

10. The device according to claim **1** in which said rear stern engaging member is adapted to engage over the upper edge of the stern of the associated boat and includes a pair of spaced and parallel jaws secured to said one end and extending at right angles therefrom and screw threaded clamping means extending through one of said jaws.

11. The device according to claim **10** in which said handle of said front prow engaging member and said rear stern engaging member both include shoulder engaging means adjustably secured along the length thereof.

12. The device according to claim **1** in which said handle of said front prow engaging member and said rear stern engaging member both include shoulder engaging means adjustably secured along the length thereof.

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9—30, 1; 294—15