Dec. 3, 1946. L. J. LINDBLOM 2,412,162

BOAT LOADING DEVICE

Filed Jan. 10, 1946

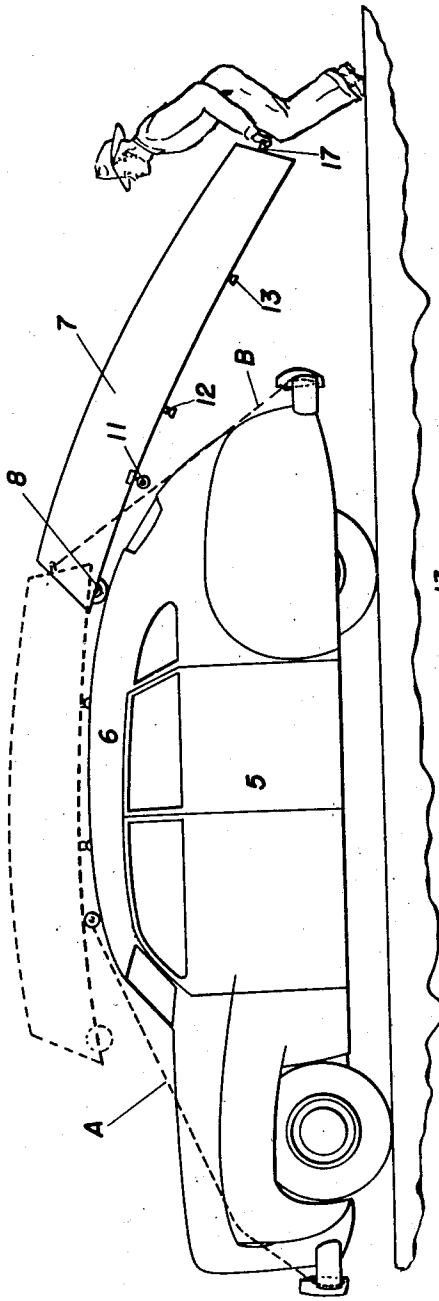


Fig 1

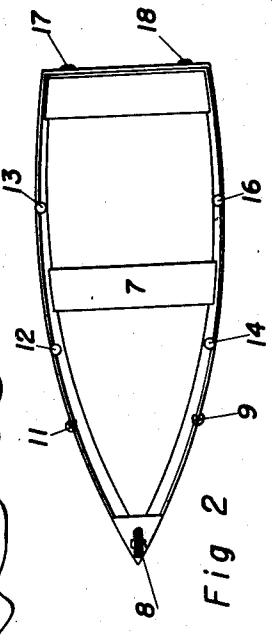


Fig 2

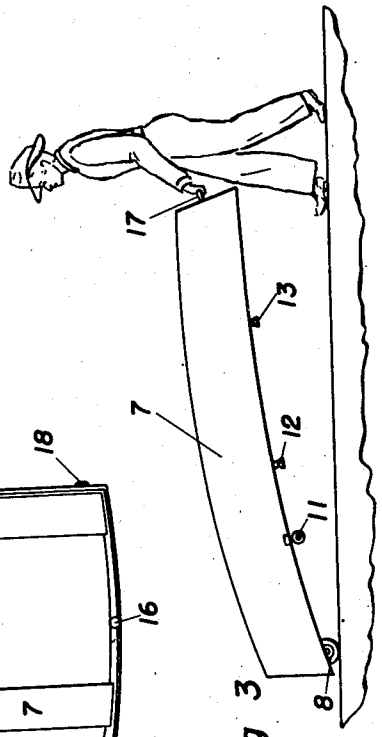


Fig 3

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BOAT LOADING DEVICE

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1 Claim. (Cl. 224—29)

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This invention relates to boat loading means, and has particular reference to means for loading a boat on to or taking the same off from the top of a motor vehicle.

The principal object of this invention is to provide means whereby a light weight boat, such as a row boat, may be readily placed upon the top of a motor vehicle by a single person and without undue strain.

A further object is to provide means for placing the boat on the vehicle top without marring the same.

A still further object is to provide means for lowering the boat after it has been placed on the top of the vehicle against suction cups so as to maintain the same in fixed position.

A further object is to provide means for transporting the boat after the same has been removed from the top of the vehicle.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals are employed to designate like parts throughout the same,

Fig. 1 is a side elevation of a motor vehicle showing the manner in which the boat is moved onto the top, and showing in dotted lines the position the boat will occupy when in fixed relation to the vehicle.

Fig. 2 is a top plan view of my boat arrangement, and

Fig. 3 is a side elevation showing the manner in which the boat may be transported after being removed from the motor vehicle.

Ordinarily when a boat is carried upon the top of a vehicle it requires the services of several people in order to place the boat onto the vehicle; also, damage is done to the surface of the vehicle due to the scraping of the boat thereon, and the same procedure is required for removing the boat from the vehicle.

Also, the persons handling the boat are very apt to sustain strain due to the awkward positions in which they have to work during the loading and unloading of the boat.

Also, after the boat is upon the ground it has to be carried to the point of placing the same in the water.

I have, therefore, provided means whereby a single individual may very readily place a boat upon the top of a motor vehicle, secure it thereto and later remove it therefrom for transportation along the earth.

In the accompanying drawing wherein for the

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purpose of illustration is shown a preferred embodiment of my invention, the numeral 5 designates a motor vehicle as a whole, having a roof portion 6. The numeral 7 designates a boat which may be of any desired construction.

My invention consists in mounting in the bow of the boat a wheel 8, and upon the sides, wheels 9 and 11, which wheels 9 and 11 are located fairly closely to the bow-wheel 8. These wheels 9 and 11 serve merely to balance the boat after it is placed upon the motor vehicle, and during the movement of the boat into its securing position.

Also mounted upon the gunwale of the boat are suction cups, as shown at 12, 13, 14 and 16; and secured to the transom of the boat are handles 17 and 18.

The result of this construction is that when the boat is so equipped, the person who is about to place the same upon the vehicle lifts the bow up onto the back of the car. By now taking hold of the handles 17 and 18 the bow of the boat may be pushed upwardly over the back of the car until the wheels 9 and 11 come into contact with the top of the vehicle.

These wheels 9 and 11 will now take care of any tipping action which might be encountered and prove injurious to the finish of the vehicle.

As the wheel 8 approaches the front of the car it will leave the curvature and extend over the engine hood, as shown in dotted lines in Fig. 1.

The wheels 9 and 11 will also leave the top of the car due to the forward curvature, and the suction cups 12, 13, 14 and 16 will engage the top and then serve to hold the boat in relatively fixed position.

In order to safeguard any movement, tie-cables, as shown in dotted lines at "A" and "B" may be used.

When it is desired to remove the boat off from the top of the car the suction cups are released in the usual manner as by running a toothpick or match under the edge thereof to relieve the suction, and then a slight lift and backward pull on the handles 17 and 18 will bring the wheels 9 and 11 against the top and the whole boat may be moved rearwardly and off from the vehicle.

When the boat has been placed upon the ground the wheel 8 may be used to transport the boat in wheelbarrow fashion, using the handles to guide the boat, and the same may be transported in this manner to the place where it is to be placed in the water.

It will thus be seen that I have provided a very simple means for positioning a boat upon a ve-

hicle, as well as means for transporting the boat along the ground.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that various changes relative to the material, size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claim.

Having thus described my invention, I claim:

In a device of the character described, the combination with a boat of a bow-wheel mounted in the upper surface of the bow, and a pair of spaced supporting wheels mounted on the gunwales of the bow, a relatively short distance toward the stern of the boat, and suction cup means carried on the gunwales of the boat substantially as shown and described.

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