Jan. 10, 1950 L. M. J. FOULKE 2,493,959

ICEBOAT OR OTHER RUNNERED VEHICLE

Filed May 23, 1947

Fig. 1

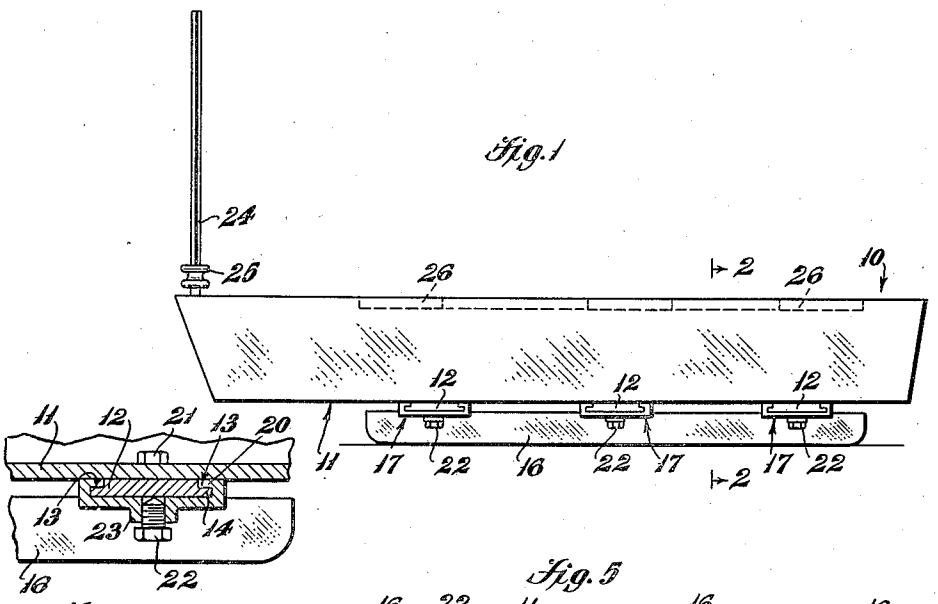
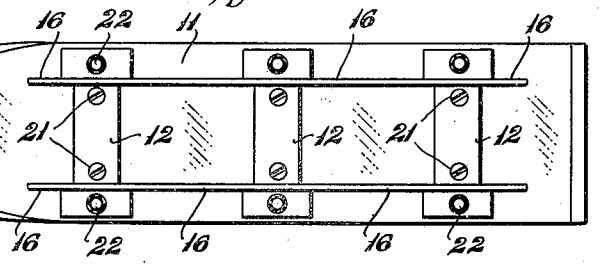


Fig. 4

Fig. 5



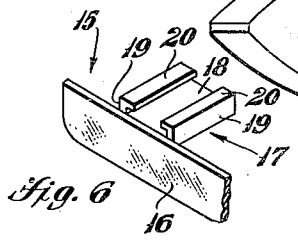


Fig. 6

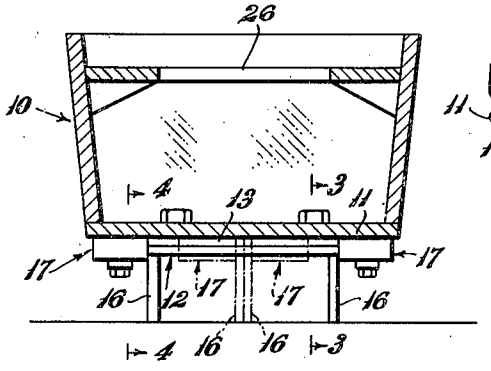


Fig. 2

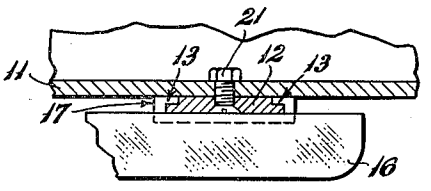


Fig. 3

INVENTOR.
Louise M. Jones Foulke
BY J. Lederman
ATTORNEY

Patented Jan. 10, 1950 2,493,959

UNITED STATES PATENT OFFICE

2,493,959

ICEBOAT OR OTHER RUNNERED VEHICLE

Louise M. Jones Foulke, Brooklyn, N. Y.

Application May 23, 1947, Serial No. 749,968

4 Claims. (Cl. 280—12)

1

This invention relates to ice boats, and more particularly to those which are adaptable to children and might therefore be termed toy ice boats, and aims to provide new and useful improvements therein whereby their use by children will be enhanced and made safer.

Another object of the invention is the provision of such an ice boat with two runners which may be spaced apart in parallel relationship or may be brought together in the median plane of the boat to act in the manner of a single runner.

The above broad as well as additional and more detailed objects will become apparent in the following description, wherein characters of reference refer to like-numbered parts in the accompanying drawing. It is to be noted that the drawing is intended for the purpose of illustration only and that it is neither desired nor intended to limit the invention to any or all of the specific details of construction, excepting insofar as they may be deemed essential to the invention.

Referring briefly to the drawing,

Fig. 1 is a side elevational view of the ice boat.

Fig. 2 is a sectional view taken on the line 2—2 of Fig. 1.

Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2.

Fig. 4 is a sectional view taken on the line 4—4 of Fig. 2.

Fig. 5 is a bottom plan view of the ice boat.

Fig. 6 is a fragmentary perspective view of one of the runner units per se.

Referring in detail to the drawing, the numeral 10 indicates the body or hull of an ice boat having a flat bottom 11. Attached as by screw bolts 21 against the underside of the boat in spaced longitudinal relationship, are a plurality of plates 12 having longitudinal grooves 13 cut out of their side edges thereby leaving longitudinal flanges 14 along the bottoms of said edges.

Each runner unit 15 comprises the runner 16 having two or more longitudinally spaced extensions 17 either formed integral therewith, as shown, or secured thereto in any desired manner, extending at right angles to the runner from the upper edge thereof. The member 17 is approximately U-shaped in cross-section and includes the base 18, the arms 19, and inwardly turned tongues 20 at the upper extremities of these arms. The runners are secured to the boat by sliding the members 17, which might be termed slides, along the plates 12 by having the tongues 20 register in the grooves 13. Set screws 22, threaded

2

into holes extending through raised bosses 23 on the slides 17, serve to lock the slides, and hence the runners, in longitudinally adjustable position on the plates 12.

When the runners 16 are locked against their respective plates 12 in the spread position shown in Fig. 5, the ice boat is equipped with two spaced runners. And when the runners 16 are positioned as shown in broken lines in Fig. 2, that is, pushed inward to the median line of the boat and flush against each other, the two runners 16 serve as a single center runner. A mast 24 may be provided, on which a sail, not shown, may be mounted, and a pulley-like enlargement 25 is provided at the base of the mast for the attachment of a rope, not shown, by means of which the boat may be pulled. Seats 26 may be provided as desired, and if desired, outriggers, not shown, may also be provided.

When used by small children, the runners 16 will be preferably secured in the spaced relationship shown, whereas larger or grown children would prefer to use the boat with the runners brought together so that it will perform in the manner of a single runner ice boat, in which case it will be able to move with greater speed and provide more thrilling entertainment for its passengers.

Obviously, modifications in form and structure may be made without departing from the spirit and scope of the invention.

I claim:

1. A slide vehicle having a transverse member on the underside thereof, spaced runners transversely slidably mounted on said member whereby said runners may be slid together into the median plane of the boat to act as a single runner or slid apart to act as spaced runners, and means for releasably locking said runners in any of said positions.

2. A runnered vehicle having a transverse rigid member secured against the underside of the boat, a pair of runners having slide members rigidly secured to the upper edges thereof at right angles thereto, said slide members being slidably mounted on said transverse member, and means for releasably locking said slide members on said transverse member in either mutually spaced relationship of said runners or with said runners brought together against each other in the median plane of the boat.

3. A runnered vehicle having a transverse plate secured against the underside of the boat, a pair

of runners, each of said runners having a slide member secured at right angles thereto on the upper edge thereof, said slide member being substantially U-shaped in cross-section and having inturned tongues on the free ends of the arms of the U, said plate having longitudinal grooves in the opposed longitudinal edges thereof, said slide members being slidably mounted on said plate with said tongues registering in said grooves, and means for releasably locking said slide members on said plate.

4. A runnered vehicle set forth in claim 3, said longitudinal grooves comprising longitudinal cut-outs through the upper portions of the opposed side edges of said plate.

LOUISE M. JONES FOULKE.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,030,170	Evans	June 18, 1912

FOREIGN PATENTS

Number	Country	Date
385,530	Germany	Nov. 26, 1923