April 11, 1939. D. FRISENDAHL 2,154,040

BOAT

Filed Feb. 8, 1938 2 Sheets-Sheet 1

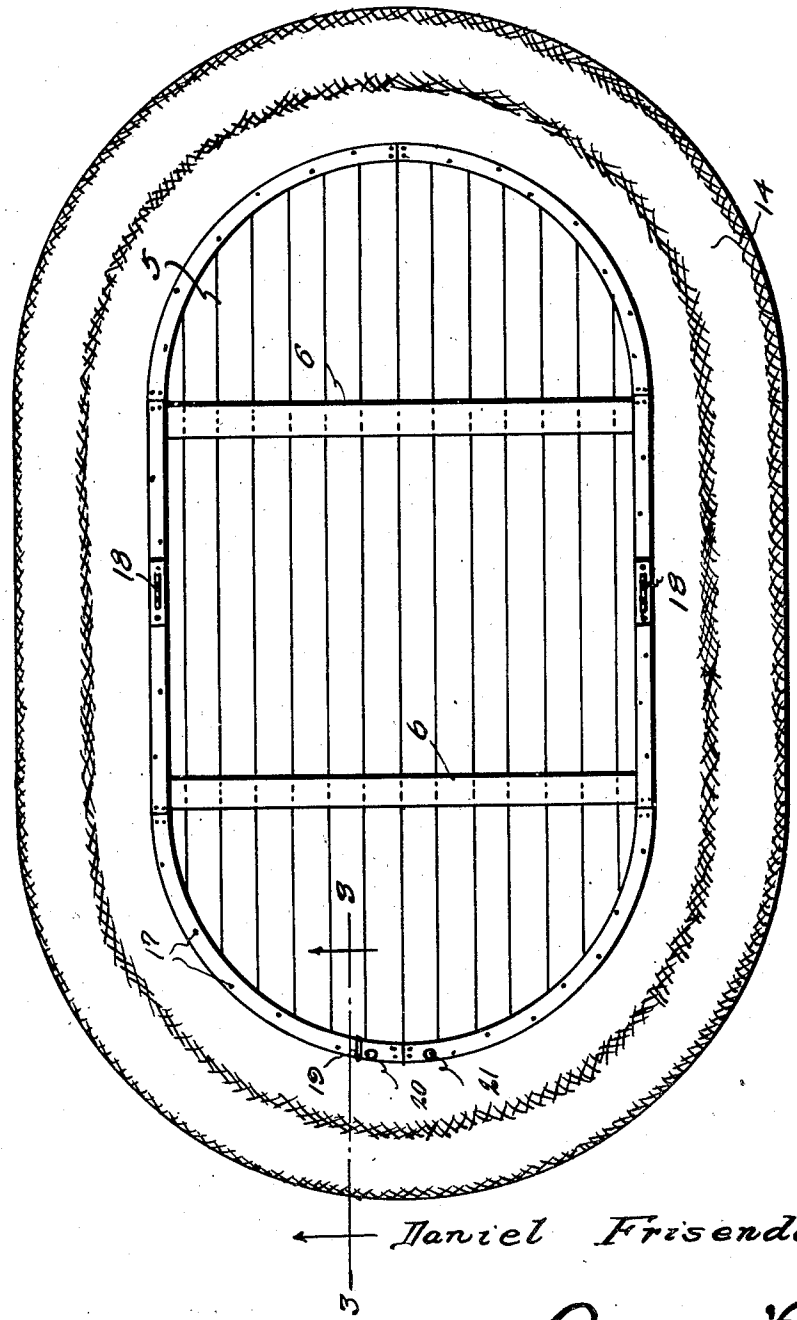


Fig. 1

Inventor

Daniel Frisendahl

By Clarence A. O'Brien

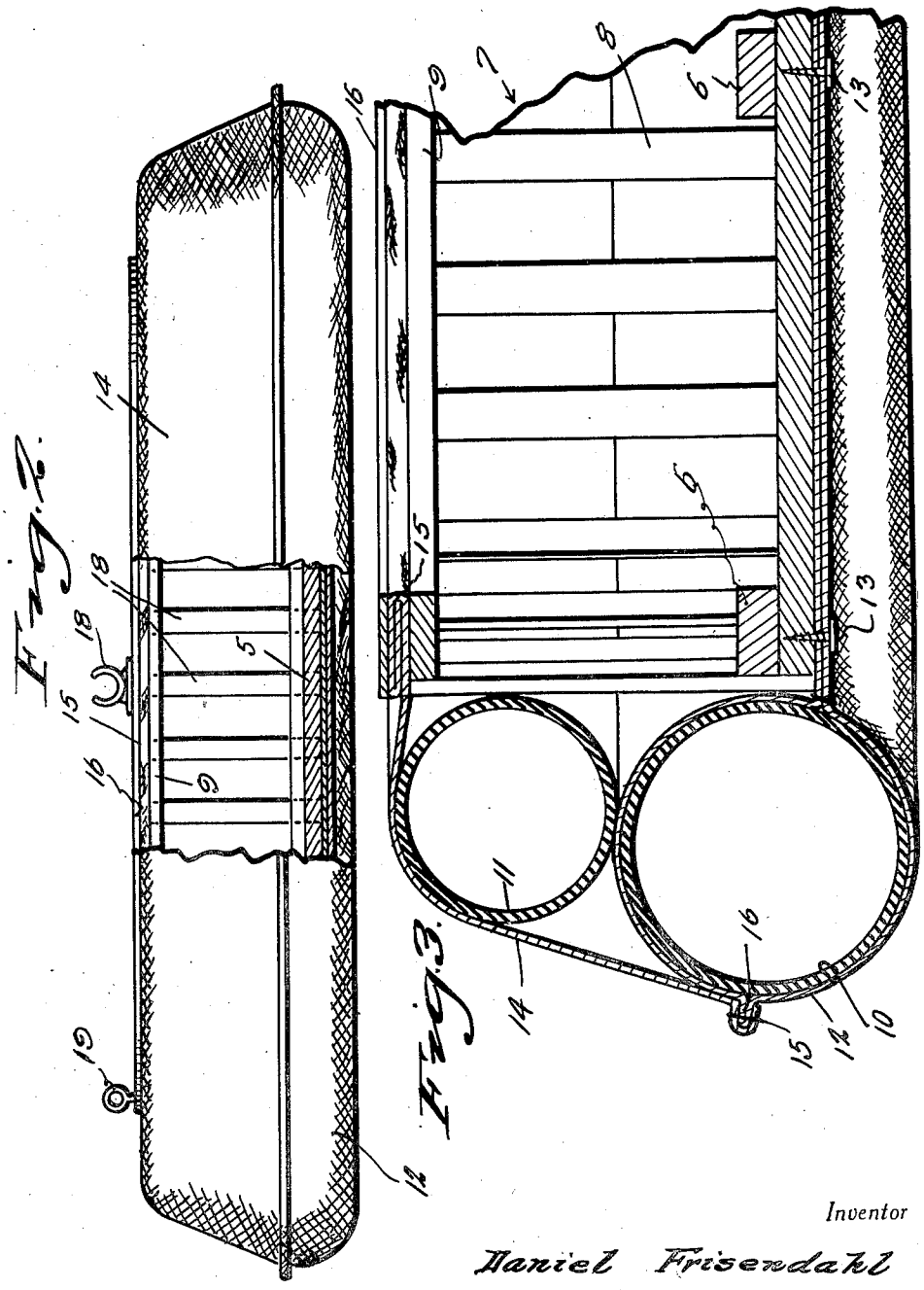
Hyman Berman

Attorneys

April 11, 1939. D. FRISENDAHL 2,154,040

BOAT

Filed Feb. 8, 1938 2 Sheets-Sheet 2



Inventor

Daniel Frisendahl

By Clarence O'Brien
Hyman Berman

Attorneys

Patented Apr. 11, 1939 2,154,040

UNITED STATES PATENT OFFICE

2,154,040

BOAT

Daniel Frisendahl, Little Falls, Minn.

Application February 8, 1938, Serial No. 189,430

1 Claim. (Cl. 9—2)

This invention relates to boats and an object of the invention is to provide a boat that will be extremely safe, and which accordingly will be found especially desirable when one is engaged in "duck hunting".

A further object of the invention is to provide a boat which will be light in weight and consequently can be readily transported from place to place.

A further object of the invention is to provide a boat of the type embodying air chambers secured to the frame of the boat in an efficient manner.

A further object of the invention is to generally improve upon pneumatic boats as now known or used.

The invention together with its objects and advantages will be best understood from a study of the following description taken in connection with the accompanying drawings wherein:

Figure 1 is a top plan view of the boat,

Figure 2 is a side elevational view thereof with certain parts broken away and shown in section, and

Figure 3 is an enlarged detail sectional view taken substantially on the line 3—3 of Figure 1.

Referring to the drawings by reference numerals it will be seen that the boat, in accordance with the present invention is substantially oval-shaped and comprises a flooring 5, which flooring or bottom 5 is composed of a plurality of longitudinally extending planks connected together at intervals through the medium of cross cleats 6.

Further the boat comprises a continuous wall 7 that is of skeleton frame structure and consists of an endless series of relatively spaced posts or standards 8 of any suitable length and supporting at their upper ends a continuous rail 9.

The frame structure of the boat as just described is arranged within the confines of endless inflatable tubes or air chambers 10, 11; the lower tube or air chamber 10 being substantially, and preferably, twice the size of the upper air tube or chamber 11.

As clearly shown in Figure 3 there is provided for the tube 10 a casing 12 of fabric such as canvass, duck or the like, and at one side thereof the casing 12 is secured to the underside of the floor or bottom 5 of the boat adjacent the marginal edge of the floor or bottom through the medium of screws or other suitable fastening elements 13.

The tube 11 is confined in position through the medium of a sheet 14 of canvass, duck or other suitable material, and at one edge thereof the sheet 14 is folded as suggested at 15 and secured between the rail 9 and retaining strips 16, through the medium of nails or other suitable fastening elements 17.

At the lower or opposite edge thereof the retaining sheet 14 is stitched to the outer side of the casing 12 as at 15. In this connection it will be noted that the casing 12 at the outer side thereof is folded so as to provide a cleat 16 to which said lower edge of the sheet 14 is stitched.

Also, the boat is provided, as shown, with oar locks 18, and at one end thereof is also equipped with an eye bolt 19 to which a cable or the like may be secured, and which cable may be used for tying the boat to a stake or for any one of numerous purposes which will readily present themselves to the user.

Also, the air chambers or inflatable tubes 10 and 11 are capable of independent inflation at valves 20, 21.

As clearly shown in Figures 2 and 3 when the tubes or chambers 10 and 11 are inflated the lower tube or chamber 11 will support the bottom 5 of the boat in a raised position, providing an item of safety of no small importance.

It is thought that the construction, utility and advantages of a boat embodying the features of the present invention will be clearly understood without a further description thereof.

Having thus described the invention what is claimed as new is:

A boat comprising a substantially oval-shaped rigid floor, rigid upstanding walls secured on the floor and including coaming strips at the upper edges thereof, superimposed endless inflatable tubes surrounding the walls with the lowermost tube of an increased size over the size of the tube disposed thereabove and extending below the floor, a cover surrounding the lowermost tube and extending therefrom and secured on the under face of the floor, said cover including a beading on the outer side of the lower tube, a sheet of fabric having one edge secured on the beading and extending over the upper tube and disposed over the coaming strips and folded upon itself, and clamping strips securing the folded portion of the fabric on the coaming strips.

DANIEL FRISENDAHL.