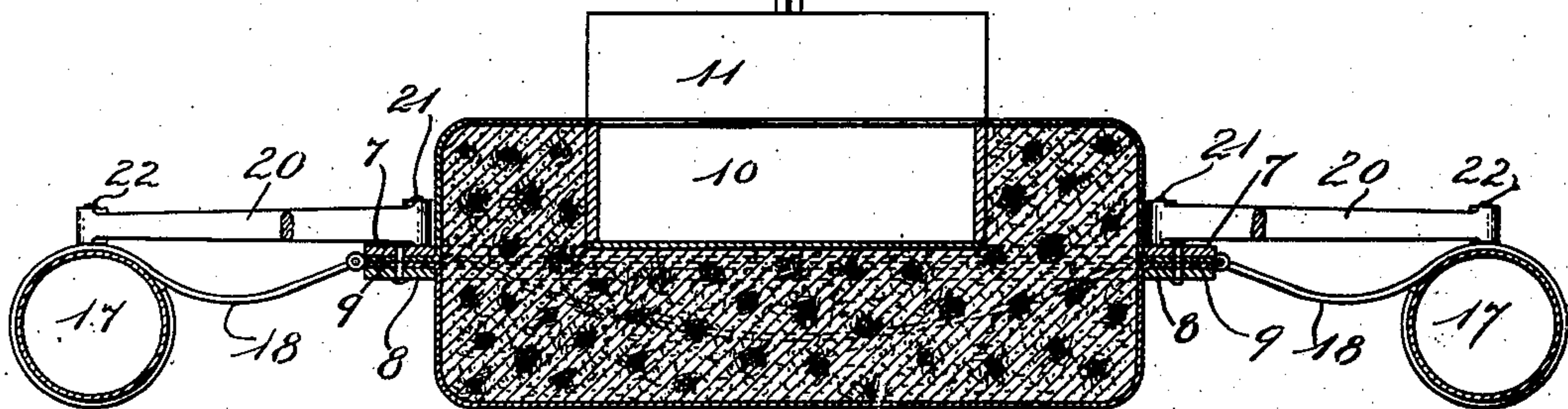
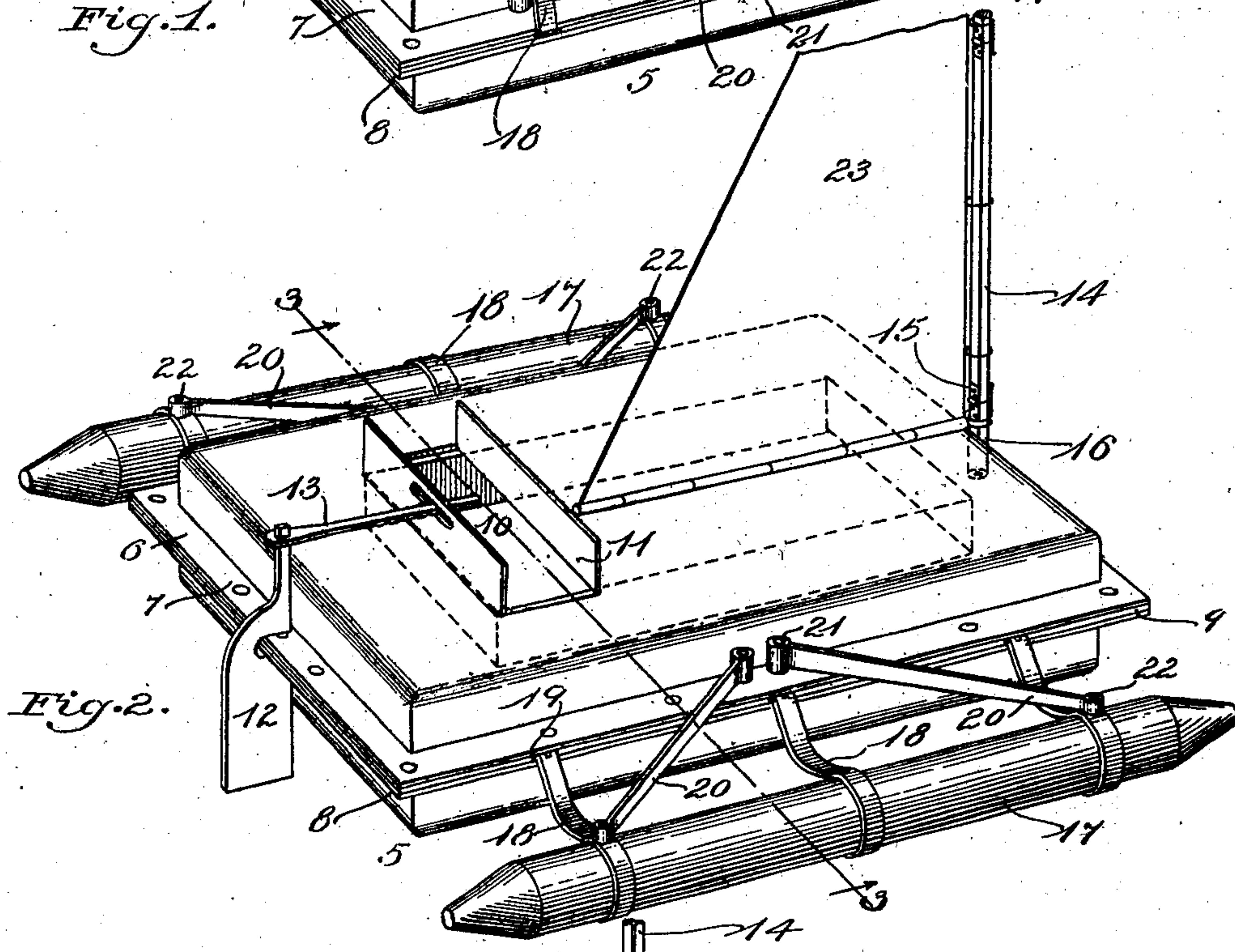
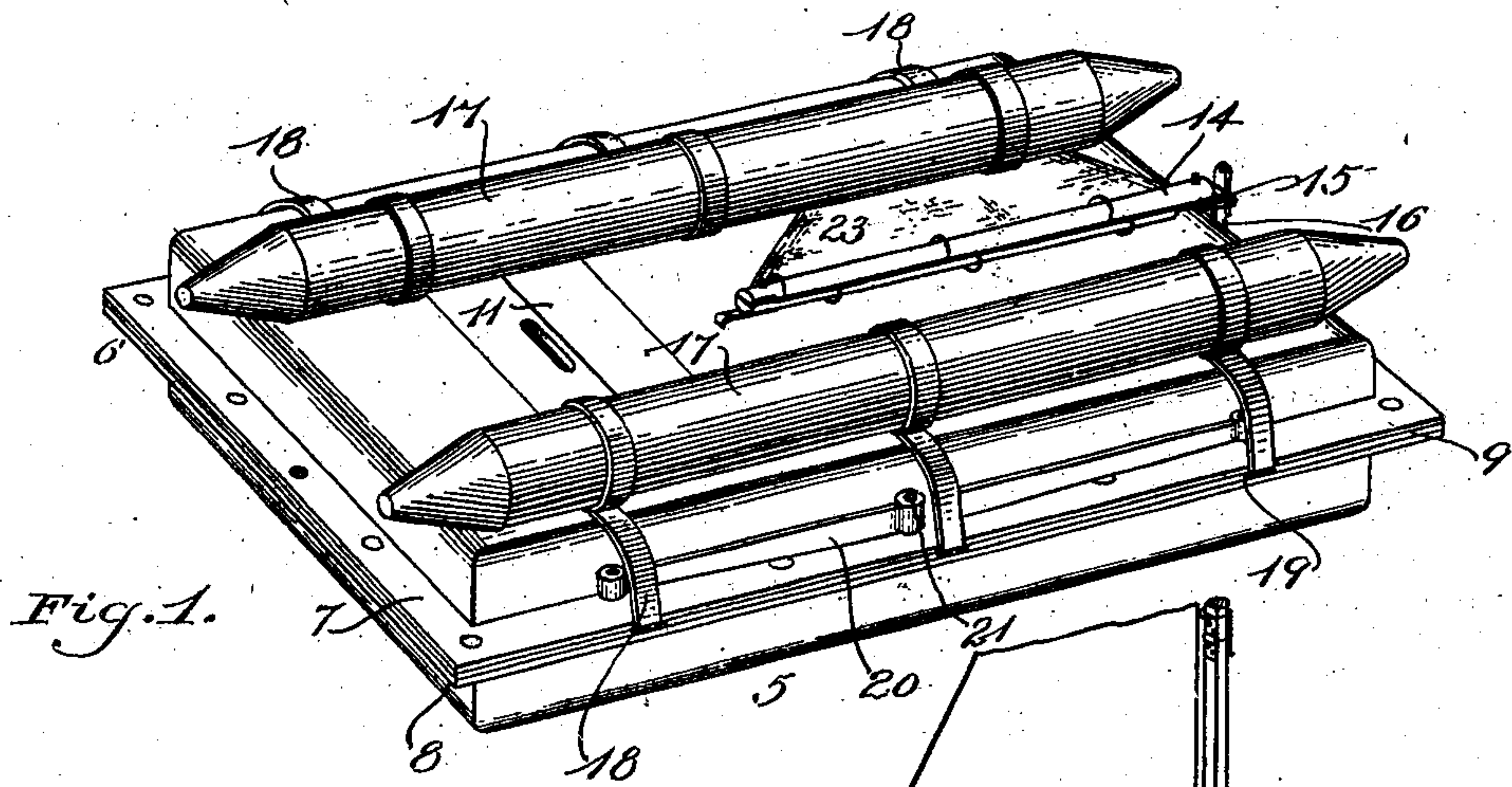


No. 744,590.

PATENTED NOV. 17, 1903.

J. MOORE.
LIFE SAVING DEVICE.
APPLICATION FILED MAR. 26, 1903.

NO MODEL.



Witnesses.
Franklin C. Low.
Sydney C. Taft.

Inventor.
James Moore.
by his Attorney, Charles V. Gooding.

UNITED STATES PATENT OFFICE.

JAMES MOORE, OF BOSTON, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO
JAMES G. CURTIS, OF BOSTON, MASSACHUSETTS.

LIFE-SAVING DEVICE.

SPECIFICATION forming part of Letters Patent No. 744,590, dated November 17, 1903.

Application filed March 26, 1903. Serial No. 149,716. (No model.)

To all whom it may concern:

Be it known that I, JAMES MOORE, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Life-Saving Devices, of which the following is a specification.

This invention relates to a life-saving device which may be used as a mattress in the berths of a steamer and in case of accident may readily be converted into a life-saving raft.

The invention consists, in a device of the character described, of a mattress, a framework surrounding said mattress and fast thereto, and a pair of pneumatic tubes hinged to said framework upon opposite sides thereof.

The invention again consists in the combination and arrangement of parts set forth in the following specification and particularly pointed out in the claims thereof.

Referring to the drawings, Figure 1 is an inverted perspective view of my improved life-saving device, the same being shown with the pneumatic tubes folded over thereon, the several parts being in the relative positions occupied thereby when the device is used as a mattress. Fig. 2 is a perspective view of the device with the several parts in the relative positions occupied thereby when the device is used as a life-saving raft. Fig. 3 is a transverse section taken on line 3 3 of Fig. 2.

Like numerals refer to like parts throughout the several views of the drawings.

In the drawings, 5 is a mattress filled with any suitable buoyant material, such as cork or shavings.

6 is a metal framework formed in two parts 7 and 8.

The mattress 5 is provided with strips 9 9, extending therearound, preferably midway between the top and bottom of said mattress and forming the edges of the covering of said mattress, which covering is made in two parts. The said strips are sewed together and then inserted between the two parts 7 and 8 of the frame 6, said frame being preferably made of aluminium, said two parts 7 and 8 being riveted firmly together, and thus holding the mattress firmly secured thereto.

A compartment 10 is provided in the mat-

tress 5, having covers 11 11 extending thereacross when the device is used as a mattress, and in this compartment is stored a rudder 12, tiller 13, and provisions and water.

To the forward end of the device is secured a jointed mast 14, hinged at 15 to a bracket 16, fast to the frame 6.

To increase the buoyancy of the device when it is used in the water as a raft or boat, pneumatic tubes 17 17 are provided. Each of said tubes is fastened to arms 18 18, which are hinged to plates 19, fastened between the two parts 7 and 8 of the frame. The pneumatic tubes 17 are held in the position shown in Fig. 2 by braces 20 20, pivoted at 21 to the frame 6 and fastened to the arms 18 by pins 22 22.

In Fig. 1 I have illustrated my improved life-saving device in an inverted position as the same appears when folded up and adapted for use as a mattress, in which the pneumatic tubes are folded over upon the under side of the mattress, the rudder 12 and tiller 13 being placed in the compartment 10 and the covers 11 closed down thereover. The jointed mast is folded down and the sail 23 placed thereunder, while a pneumatic tube rests upon the sail and holds it firmly against the mattress. When the device is arranged to be used as a life-saving raft, the pneumatic tubes are folded over outwardly from the mattress and into the position shown in Fig. 2, and the pivoted braces 20 20 are joined to the arms 18 by means of the pins 22. The mast is tilted upwardly into a vertical position and the sail 23 attached thereto. The rudder 12 and tiller 13 are taken from the compartment 10 and attached to the framework 6, as shown in Fig. 2.

The device forms as a whole a compact and useful article when in use as a mattress and may readily be changed to be used as a life-saving raft in the manner indicated. It will be understood that when the device is in use as a life-saving raft the user sits in the compartment 10 and manages the device from that position.

While I have described my improved life-saving mattress as having pneumatic tubes hinged thereto, it is evident that said tubes may be filled with cork or any material which

will render them buoyant without departing from the spirit of my invention.

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

1. In a life-saving device, a mattress, a framework fast to and surrounding said mattress, and a pair of buoyant tubes hinged to said framework upon opposite sides thereof.
2. In a life-saving device, a mattress, a framework fast to and surrounding said mattress, a pair of buoyant tubes hinged to said framework upon opposite sides thereof, and braces extending from said framework to said tubes.
3. In a life-saving device, a mattress, a framework fast to and surrounding said mattress, arms hinged to opposite sides of said framework, a pair of buoyant tubes fast to said arms, and braces pivoted at one end to said framework and adapted to be fastened at the other end thereof to said arms.
4. In a life-saving device, a mattress, a

framework fast to and surrounding said mattress, a pair of buoyant tubes hinged to said framework upon opposite sides thereof, and a jointed mast hinged to said framework.

5. In a life-saving device, a mattress, a framework fast to and surrounding said mattress, and a pair of buoyant tubes hinged to said framework upon opposite sides thereof, said mattress provided with a compartment for the purpose specified.

6. In a life-saving device, a mattress provided with longitudinal strips on the sides thereof, a framework in two parts clamped to said strips and surrounding said mattress, and a pair of buoyant tubes hinged to said framework upon opposite sides thereof.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JAMES MOORE.

Witnesses:

CHARLES S. GOODING,
ANNIE J. DAILEY.