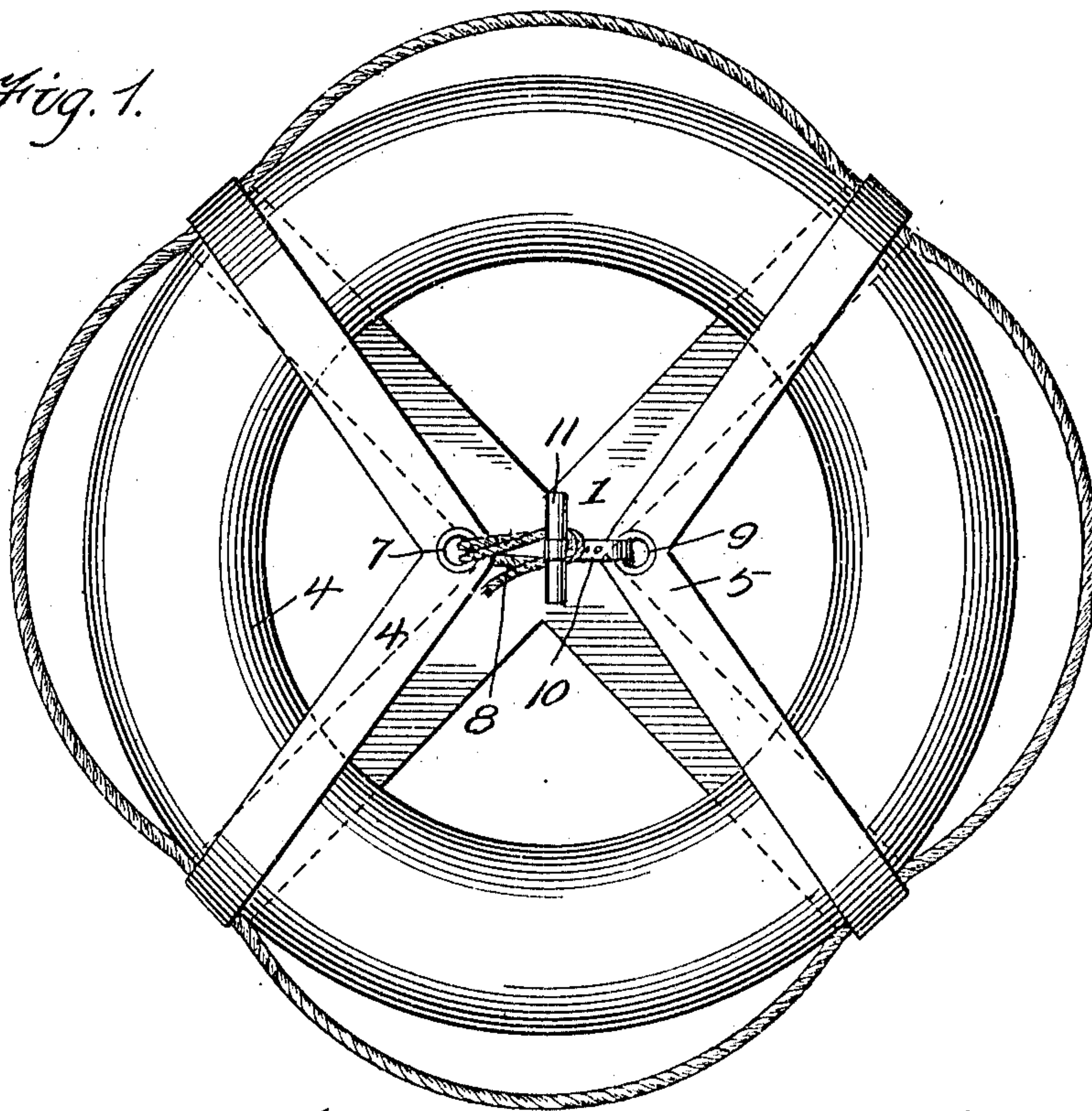


C. S. LENZ.  
LIFE BUOY RACK.  
APPLICATION FILED MAY 19, 1909.

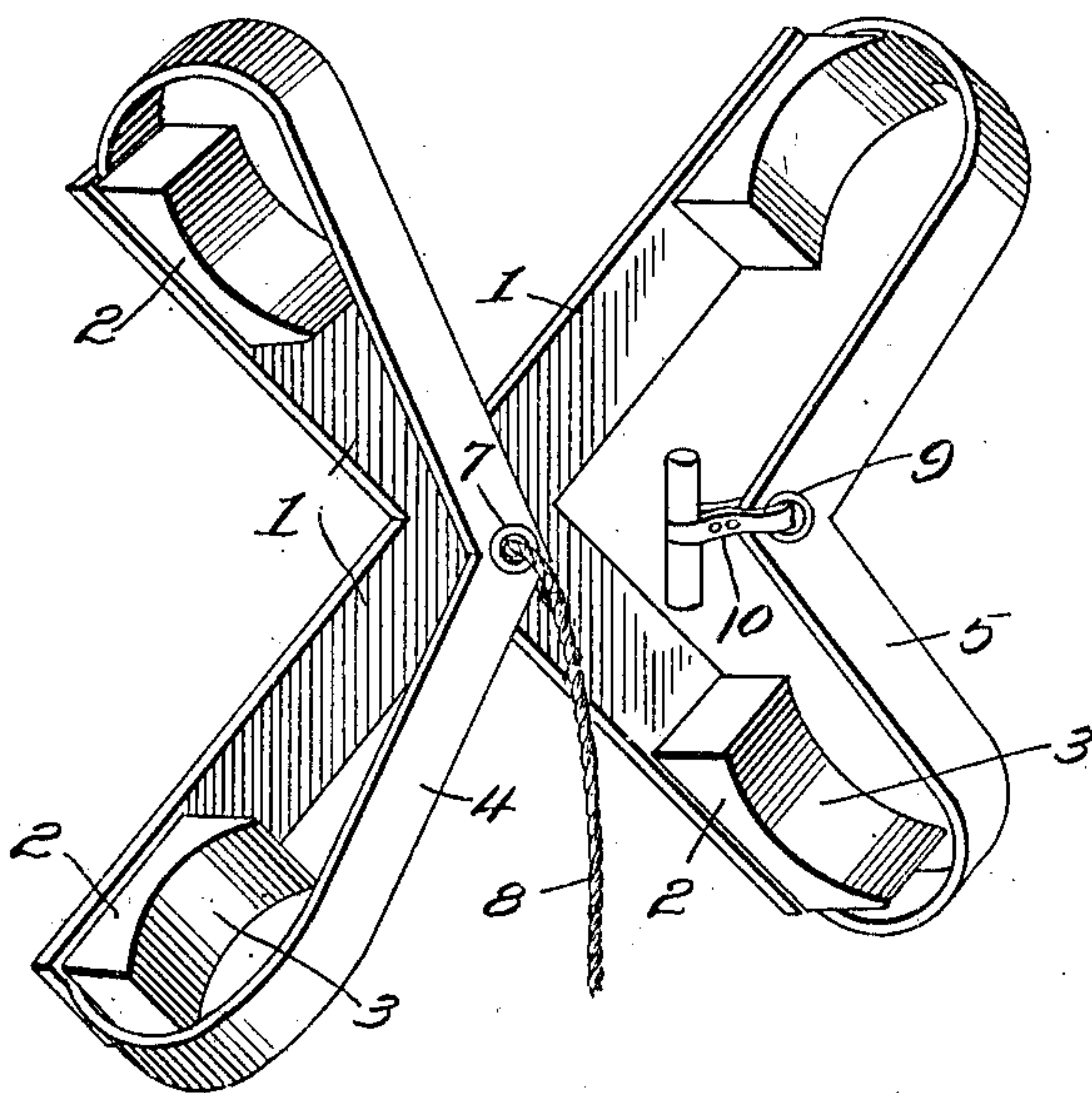
947,446.

Patented Jan. 25, 1910.

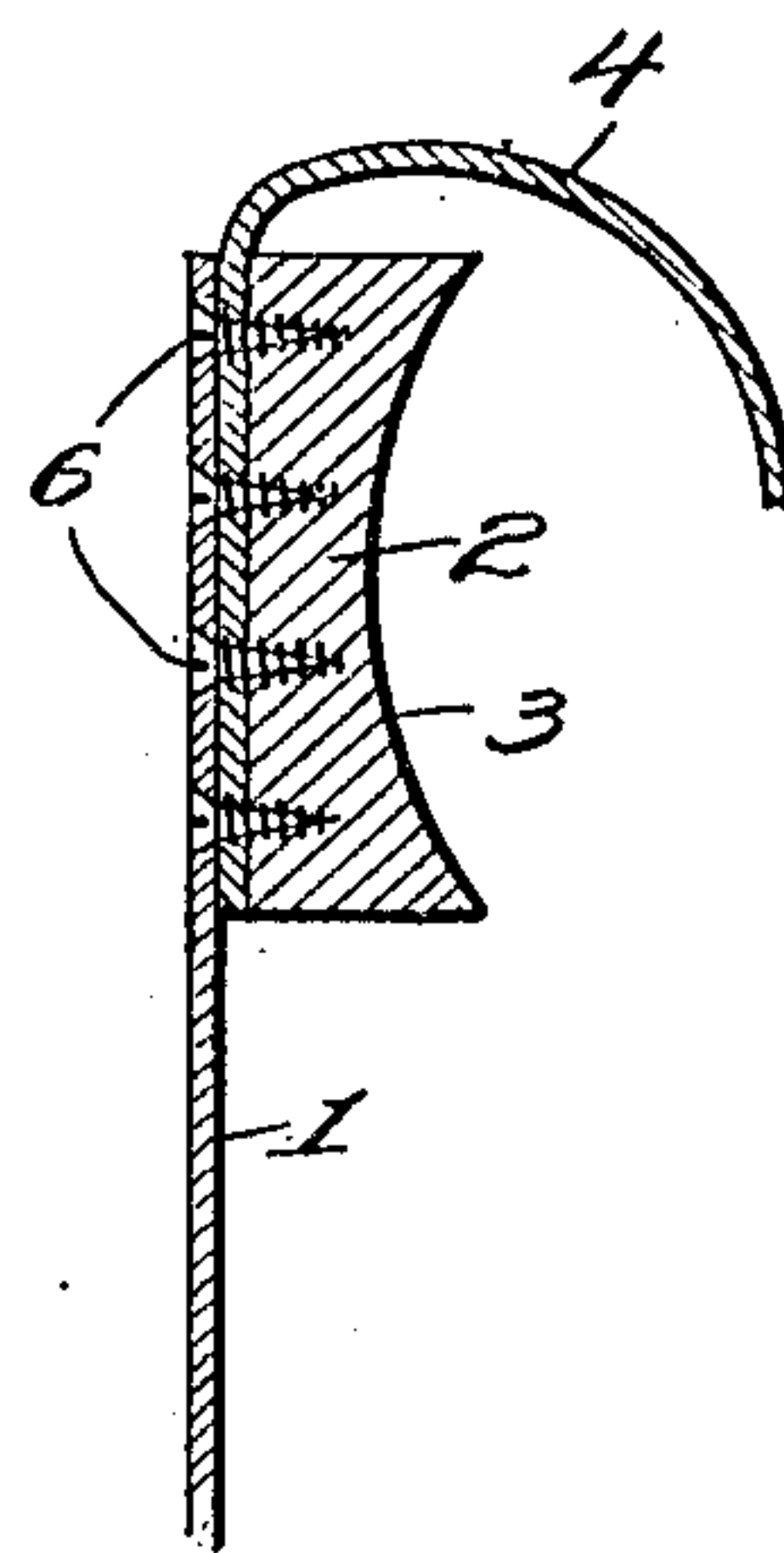
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Inventor

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Witnesses

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# UNITED STATES PATENT OFFICE.

CHARLES S. LENZ, OF NEW YORK, N. Y.

## LIFE-BUOY RACK.

947,446.

Specification of Letters Patent.

Patented Jan. 25, 1910.

Application filed May 19, 1909. Serial No. 496,965.

*To all whom it may concern:*

Be it known that I, CHARLES S. LENZ, a subject of the King of Sweden, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Life-Buoy Racks, of which the following is a specification.

This invention relates to racks for holding life buoys, the object of the invention being to provide a simple buoy holder by means of which the buoy may be conveniently attached to and supported by the rack or holder and instantly removed therefrom when needed for use.

With the above and other objects in view, the nature of which will more fully appear as the description proceeds, the invention consists in the novel construction, combination and arrangement of parts as herein fully described, illustrated and claimed.

In the accompanying drawings:—Figure 1 is a plan view, showing a life buoy applied to and supported by the rack. Fig. 2 is a perspective view of the rack, with the buoy removed. Fig. 3 is an enlarged detail section through a portion of the rack, showing the manner of securing the straps and seat blocks thereto.

The rack, in the preferred embodiment of the invention is of cruciform shape, or in other words, comprises a series of arms 1 radiating from a common center where said arms intersect. To the outer extremity of each arm there is secured a seat block 2 having one flat face which lies next to the adjacent rack arm, and a concave face 3 adapted to conform approximately to the transverse curvature of the life buoy shown at 4, the latter being of the usual circular or ring form.

In connection with the rack, I employ a pair of straps 4 and 5, each of said straps having two branches extending at an angle to each other, as clearly shown in Figs. 1 and 2, the extremities of the straps being inserted between the seat blocks 2 and the arms 1 and being clamped and held between said parts by means of screws or other fasteners

6, as shown in Fig. 3, the preferred form of fastener being a screw, as shown, which is inserted through the arm 1 from the back and through the strap 4 or 5 into the seat block 2.

At the point of convergence of the straps, one of said straps is provided with an eyelet 7 in which is secured one end of a lanyard 8. The other strap is provided with an eyelet 9 through which passes a loop 10 the outer projecting end of which is adapted to receive a removable pin 11 around which the lanyard is adapted to be wrapped, as shown in Fig. 1.

After loosening the straps, the buoy 4 is placed upon the rack so as to rest in contact with the concave faces of the seat blocks 2. The straps are then brought over the life buoy and the lanyard 8 is then wrapped around the pin 11 while inserted in the loop 10. By means of the pin and lanyard, the straps may be drawn taut, thus holding the buoy firmly and securely. In order to quickly detach the buoy, the pin 11 is withdrawn from the loop 10 thereby instantly releasing the buoy.

I claim:—

1. A rack for the purpose specified comprising a series of arms radiating from a common center, seat blocks secured to said arms, straps terminally connected to the extremities of said arms, and means for drawing said straps around a buoy when placed on the rack and securing said straps, substantially as described.

2. A rack for the purpose specified comprising a supporting frame, seat blocks secured to said frame at points remote from each other, and straps extending from the vicinity of the seat blocks inward toward each other and provided with complementary fastening means.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES S. LENZ.

Witnesses:

F. P. RORR,  
A. CARVER.