

L. F. FRAZEE.

Life-Boat.

No. 167,160.

Patented Aug. 31, 1875.

Fig. 1.

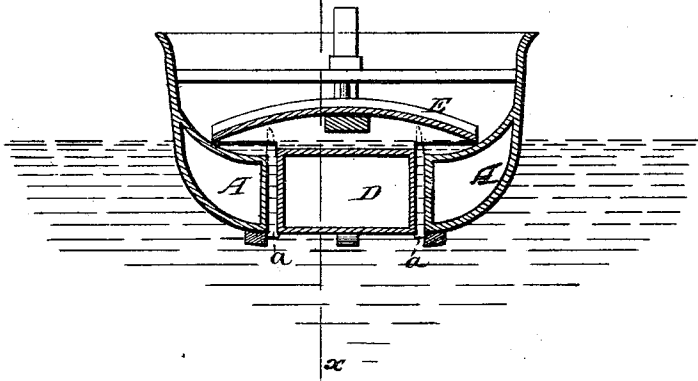
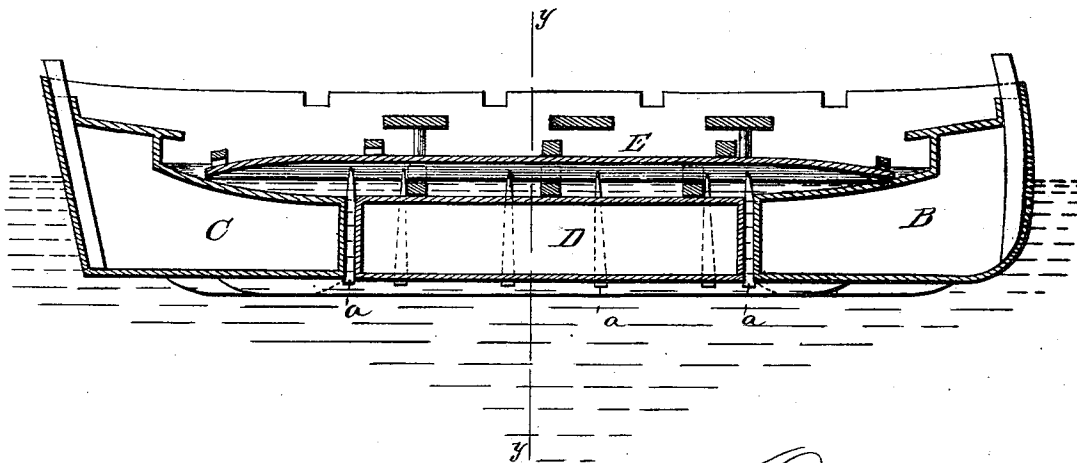


Fig. 2.



WITNESSES:

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per:
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LAWRENCE F. FRAZEE, OF JERSEY CITY, NEW JERSEY, ASSIGNOR TO HIMSELF AND JOSEPH J. WALTON, OF NEW YORK, N. Y.

IMPROVEMENT IN LIFE-BOATS.

Specification forming part of Letters Patent No. **167,160**, dated August 31, 1875; application filed August 4, 1875.

To all whom it may concern:

Be it known that I, LAWRENCE F. FRAZEE, of Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Life-Boats; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of a life, surf, and working boat, as will be hereinafter more fully set forth.

In the accompanying drawing, Figure 1 is a transverse vertical section of my life-boat, taken through the line *y y*, Fig. 2. Fig. 2 is a longitudinal vertical section of the same, taken through the line *x x*, Fig. 1.

My life-boat is constructed of a series of separate and independent air-chambers, as follows: The sides of the boat are formed of two elongated chambers, *A A*, of suitable shape, connected to the bow air-chamber *B* and stern air-chamber *C*, leaving a large opening in the center. The outer sides of the chambers *A B C* are extended upward, as shown, to form the usual sides. In the large opening in the center of the boat is placed

an air-chamber, *D*, connected to the surrounding air-chambers by ribs *a a* or other suitable means, and leaving spaces between them to admit the water. Above this center air-chamber *D* is built a protecting-deck, *E*, which extends on all sides over the surrounding air-chambers, and forms the bottom of the boat. It will readily be seen that, whether the center air-chamber *D* is used or not, the water within the boat under the protecting-deck *E* will stand as high as the water surrounding the boat, which prevents, or at least lessens, the liability of the boat upsetting. The additional air-chamber *D* materially increases the buoyancy of the boat. The various parts of the boat may be made of any suitable material, but I prefer to make the fore and aft pieces of iron.

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

The protecting-deck *E*, in combination with the air-chambers *A, B, and C*, and with or without the center air-chamber *D*, substantially as herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

LAWRENCE F. FRAZEE.

Witnesses:

SOLOMON B. MCGOWN,
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