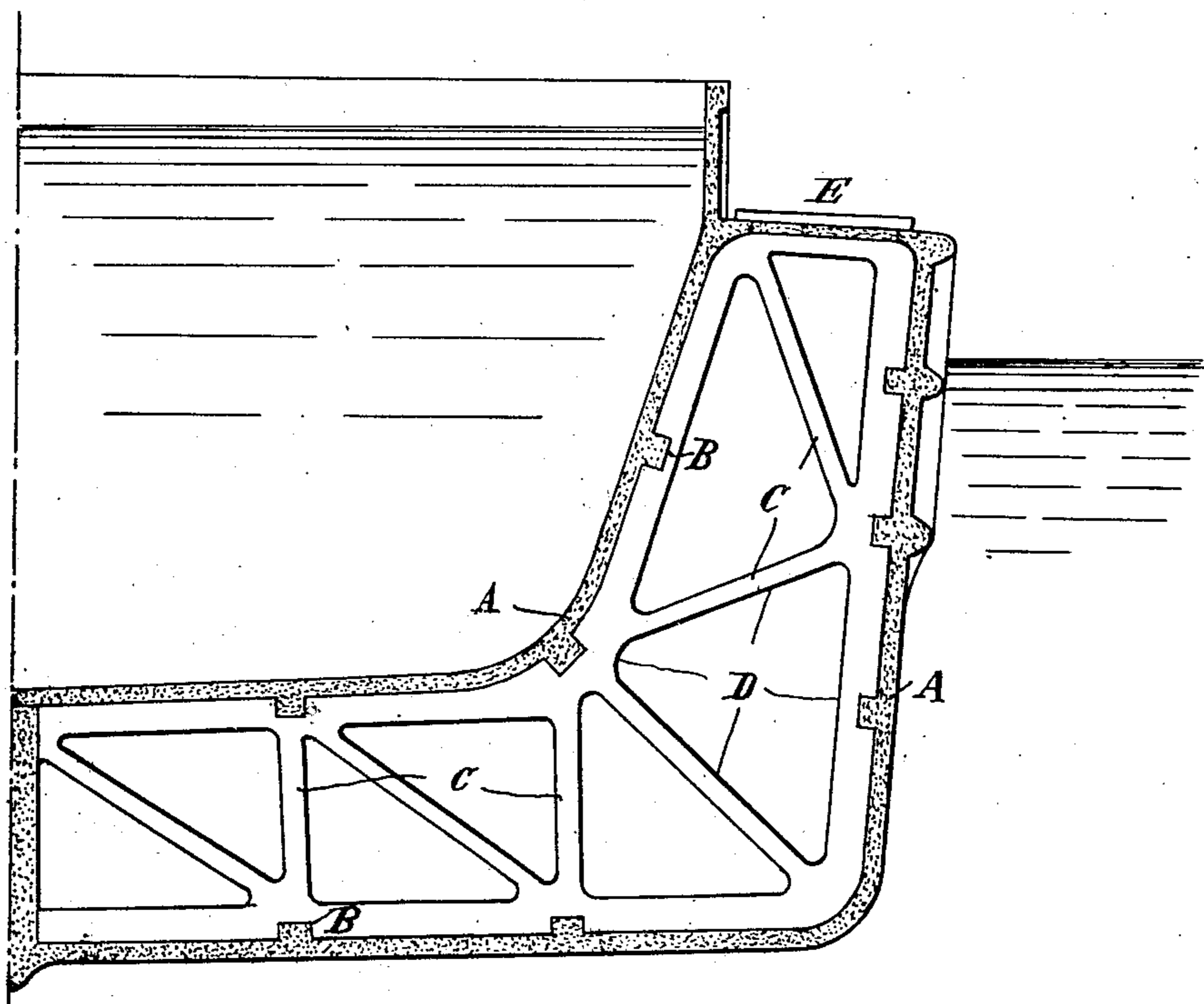


C. GABELLINI.
FLOAT OF REINFORCED CONCRETE.
APPLICATION FILED NOV. 6, 1908.

920,046.

Patented Apr. 27, 1909.



WITNESSES

W. P. Burke
H. M. Napping

INVENTOR

Carlo Gabellini
BY *J. M. Miller*
ATTY

UNITED STATES PATENT OFFICE.

CARLO GABELLINI, OF ROME, ITALY, ASSIGNOR TO SOCIETA' CEMENTO ARMATO E RETINATO
GABELLINI, OF ROME, ITALY.

FLOAT OF REINFORCED CONCRETE.

No. 920,046.

Specification of Letters Patent.

Patented April 27, 1909.

Application filed November 6, 1908. Serial No. 461,333.

To all whom it may concern:

Be it known that I, CARLO GABELLINI, a subject of the King of Italy, resident of Palazzo Bernini, Corso Umberto, Rome, Italy, have invented certain new and useful Improvements Relating to Floats of Reinforced Concrete, of which the following is a specification.

This invention has for its object to provide an improved structure of floating bodies of reinforced concrete which obviates several drawbacks of the structures hitherto known.

The single figure of the annexed drawing shows in cross section one form in which my present invention may be carried out.

According to my present invention tight compartments are provided in the ship's hull of such dimensions as to allow access of workmen in order to be able to finish the structure in every point even in the case of very thin walls, and inspect the float afterward in every part and at every moment even when in movement, and make repairs in any emergency.

In the figure, A are longitudinal and transverse walls made of reinforced concrete by any known or suitable method; B are bosses of reinforcement coinciding, if possible, for the two opposite longitudinal walls so as to form transverse diaphragms C transmitting the strains with advantage to the general resistance of the structure. The said diaphragms may be of preferably triangular trellis work and of such dimensions as to

allow of the passage of one person through their width D. They are prepared previously and contain the iron struts of reinforcement covered with a sufficient layer of concrete, the iron parts protruding for the necessary connections to the metallic reinforcement struts of the walls, the diaphragms constituting the elements of transmission of the internal strains of the structure.

To each of the hollow compartments access is given by a small hatchway E in the upper wall of closure.

Having now fully described my said invention and the manner in which the same is to be performed, what I claim and desire to secure by Letters Patent of the United States of America is:—

1. Floats formed of reinforced concrete provided with hollow water-tight compartments, allowing passage of a person through said compartments.

2. Floats formed of reinforced concrete provided with hollow water-tight compartments, and trellis work framing formed of reinforced concrete in said compartments, allowing passage of a person through said compartments.

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

CARLO GABELLINI.

Witnesses:

DUILIO NARDONI,

VINCENT DE NOBELL.