

3. Boats.

For the purposes of these rules boats are arranged in the following classes :—

CLASS 1.

A. Open Lifeboats with Internal Buoyancy only.

The buoyancy of a wooden boat of this type shall be provided by watertight air-cases, the total volume of which shall be at least equal to one-tenth of the cubic capacity of the boat.

In the case of a metal boat an addition shall be made to the cubic capacity of the airtight compartments so as to give it buoyancy equal to that of the wooden boat.

B. Open Lifeboats with Internal and External Buoyancy.

The internal buoyancy of a wooden boat of this type shall be provided by watertight air-cases, the total volume of which shall be at least equal to $7\frac{1}{2}$ per cent. of the cubic capacity of the boat.

If the external buoyancy is of cork, its volume, for a wooden boat, shall not be less than thirty-three thousandths of the cubic capacity of the boat; if of any material other than cork its volume and distribution shall be such that the buoyancy and stability of the boat are not less than that of a similar boat provided with external buoyancy of cork.

In the case of a metal boat an addition shall be made to the cubic capacity of the airtight compartments so as to give it buoyancy equal to that of the wooden boat.

C. Pontoon Lifeboats having a Well Deck and Fixed Watertight Bulwarks.

The area of the well deck of a boat of this type shall be at least 30 per cent. of the total deck area. The height of the well deck above the water-line at all points shall be at least equal to $\frac{1}{2}$ per cent. of the length of the boat, this height rising to $1\frac{1}{2}$ per cent. of the length of the boat at the ends of the well.

The freeboard of a boat of this type shall be such as to provide for a reserve buoyancy of at least 35 per cent.

CLASS 2.

A. Open Lifeboats having Upper Part of the Sides Collapsible.

A boat of this type shall be fitted both with watertight air-cases and with external buoyancy, the volume of which, for each person which the boat is able to accommodate, shall be at least equal to the following amounts :—

Air-cases	..	..	..	..	1.5 cub. ft.
External buoyancy (if of cork)	..	..	..	..	0.2 cub. ft.

The minimum freeboard of boats of this type is fixed in relation to their length; it shall be measured vertically to the top of the solid hull at the side amidships, from the water-level, when the boat is loaded.

The freeboard in fresh water shall not be less than the following amounts :—

Length of the Boat, in Feet.	Minimum Freeboard, in Inches.
26	8
28	9
30	10

The freeboard of boats of intermediate lengths shall be found by interpolation.

B. Pontoon Lifeboats having a Well Deck and Collapsible Bulwarks.

All the conditions laid down for boats of Class 1c shall be applied to boats of this type, which differ from those of Class 1c only in regard to the bulwarks.

C. Pontoon Lifeboats having a Flush Deck and Collapsible Bulwarks.

The minimum freeboard of boats of this type is independent of their length and depends only upon their depth. The depth of the boat shall be measured vertically from the under-side of the garboard strake to the top of the deck at the side amidships, and the freeboard shall be measured from the top of the deck at the side amidships to the water-level when the boat is loaded.