

Survival at Sea trail



Bertha collapsible lifeboat

- * Designed in 1851
- * Double-layer construction trapped air and increased buoyancy
- * Used by Admiralty on vessels from 1873 and won 14 medals

1

Q Who designed this lifeboat?

Lighthouse Fresnel lens

- * Optic emitted light out to sea 1904-2021
- * Designed by French physicist Augustin-Jean Fresnel
- * Produced by glass manufacturers Chance Brothers
- * An invention that 'saved a million ships'

2



Q Where on the Isle of Wight was this lens used?



RNLB Jesse Lumb

- * Last Watson-class lifeboat in service
- * Saved 138 lives in WW2; over 300 in total
- * Built by J.Samuel White in 1939
- * Served from 1939-1970

3

Q Where on the Isle of Wight was this boat stationed?

Britannia 1

- * Uffa Fox design with in-built safety features
- * First boat rowed single-handed across the Atlantic
- * 5,000 miles in 180 days, landing on the same day as Man landed on the Moon

4

Q Who rowed this boat across the Atlantic Ocean?



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Survival at Sea trail



Inflatable liferaft

5

- * Inflatable liferaft for seagoing vessels
- * Essential survival equipment kept on board ships
- * Used to escape from danger or for evacuation

Q How many people was this liferaft designed to hold?

RNLB Queen Victoria

6

- * Self-righting lifeboat rowed by ten oarsmen
- * Stationed at Bembridge, Isle of Wight
- * 10.4 metres long and could carry 30 people to safety
- * Built by Forrest & Sons, East London

Q When was this boat built?



Mk1a Airborne lifeboat

7

- * WW2 lifeboat designed to be dropped from the air
- * Co-designed to save aircraft crews
- * Seven metre double-skinned mahogany hull
- * Fully-equipped with engine, sails and food for 200 miles

Q Which Isle of Wight resident designed this lifeboat?

Salter's collapsible lifeboat

8

- * Dates from the same time as RMS Titanic, 1912
- * Designed to be stowed flat on ships
- * When needed can be quickly unfolded for use at sea
- * Could be rowed

Q How many oars could be used to row this boat?



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