

# REPORT ON BOILERS.

No. 78939.

Date of writing Report *5 APR 1919* When handed in at Local Office *5 APR 1919* Port of **LIVERPOOL** Received at London Office *22 APR 1919*

No. in Survey held at *Ellersmere Post.* Date, First Survey *Feb 21<sup>st</sup>* Last Survey *March 28 1919.*

Reg. Book. on the *Boom Defence Vessel "BD 38."* (Number of Visits *3*) Gross Tons } Net

Master Built at *Ellersmere Post.* By whom built *The Manchester Dry Dock Co. Ltd.* When built *1919.*

Boilers made at *Annan.* By whom made *Cochoan & Co. Annan Ltd.* When made *1918*

Owners *Admiralty.* Port belonging to

**VERTICAL DONKEY BOILERS** Nos. *7776, 7777.* Description *Cochoan.* Manufacturers of steel

Made at *Annan.* By whom made *Cochoan & Co.* When made *1918.* Where fixed *Stockholm.* Working pressure *150 lbs.*

Tested by hydraulic pressure to *300* Date of test *29. 3. 18* No. of Certificate *14189* Fire grate area *225 sq ft* Description of safety valves *Spring loaded.*

No. of safety valves *2.* Area of each *4.91 sq ft* Pressure to which they are adjusted *150 lbs.* If fitted with easing gear *yes.* If steam from main boilers can enter the donkey boiler  Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile strength

Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets

Lap of plating Per centage of strength of joint Rivets Plates Working pressure of shell by rules Thickness of shell crown plates

Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace

Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown plates

Radius of do. Stayed by Diameter of uptake Thickness of uptake plates

Thickness of water tubes

The foregoing is a correct description.

Manufacturer.

Dates of Survey while building

During progress of work in shops - - } *Feb 21. Mar 19. 28.*

During erection on board vessel - - }

Total No. of visits *3.* Is the approved plan of boiler forwarded herewith *no.*

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.)

*Two Cochoan Boilers - Glasgow Reports Nos. 37643 + 37644. - Complete with safety valves, easing gear + mountings, + two four cylinder winches. Serial Nos. H1 + H2. See Newcastle reports of 29<sup>th</sup> August 1918. also condensing plant, feed pump, general service pump, main feed + reserve feed tanks, pipes + connections securely fitted on board and tested under working conditions with satisfactory results, all joints being tight. The safety valves of Donkey Boilers were adjusted to 150 lbs.*

*These Boilers are eligible to be classed with second of 2 DB. 150 lbs. NDB 3. 19.*

Survey Fee ... .. £ : : } When applied for, ..... 19

Travelling Expenses (if any) £ : : } When received, ..... 19

*A. J. Bennett*  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute **LIVERPOOL** 17 APR 1919

Assigned *N. D. B. 19* *2 DB.*

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