

Rpt. 5b.

REPORT ON BOILERS.

No. 36538.

Received at London Office WED. 13 DEC. 1916
 Date of writing Report December 16 1916 When handed in at Local Office 19 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 20-10-16 Last Survey December 1916
 Reg. Book. on the Donkey Boiler for "ALLENDALE" mess Osborne Graham & Co. No. 203. Tons { Gross 2153
 Master J. Presant Built at Sunderland By whom built Osborne Graham & Co When built 1917
 Boilers made at Annan By whom made Cochran & Co Annan Ltd When made 1916
 Owners Furness Withy & Co Ltd. Port belonging to London

VERTICAL DONKEY BOILER No. 4322 Description Cochran Manufacturers of steel Glasgow Iron & Steel Co
 Made at Annan By whom made Cochran & Co When made 1916 Where fixed Stokehold Working pressure 100
 tested by hydraulic pressure to 100 Date of test 8-11-16 No. of Certificate 3629 Fire grate area 31.59 Description of safety valves direct spring
 No. of safety valves two Area of each 7.075 Pressure to which they are adjusted 105 If fitted with easing gear yes If steam from main boilers can
 enter the donkey boiler no Dia. of donkey boiler 4'6" Length 16'3" Material of shell plates Steel Thickness 9 1/16" Range of tensile
 strength 28 3/4 Descrip. of riveting long. seams O.R. Lap Dia. of rivet holes 29/32 Whether punched or drilled drilled Pitch of rivets 2 1/2"
 Lap of plating 4 1/2" Per centage of strength of joint Rivets 69 Working pressure of shell by rules 103 Thickness of shell crown plates 5 1/8"
 Plates 65 Radius of do. 45" No. of Stays to donkey nil Dia. of stays 1 1/2" Diameter of furnace Top Radius Bottom 48" Length of furnace 50 1/4"
 Thickness of furnace plates 9 1/16" Description of joints Hemisphere Working pressure of furnace by rules 100 Thickness of furnace crown
 plates 9 1/16" Radius of do. 39" Stayed by Hemisphere Diameter of uptake 18 1/4" + 18 1/2" Thickness of uptake plates 9 1/16"
 Thickness of water tubes Plates
4 Hunt 15 1/16"
Back 25 1/8"

The foregoing is a correct description,
 For COCHRAN & CO., ANNAN, LIMITED
B. Watley Manufacturer.

Dates { During progress of work in shops - 1916 6.2.20.27 Nov 3.10.17.24 Dec 1.8
 of Survey { During erection on board vessel - 1917 Nov 27.29 Dec 1
 while building { Total No. of visits 8 11

Is the approved plan of boiler forwarded herewith yes
Drawing No 11165.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The material & workmanship
is good.

The boiler has been built under special survey.

Survey request form

No. 71432 attached

Sunderland 3-12-17 - The boiler satisfactorily fitted in the vessel and its safety valves
adjusted under steam. - adjusting washers - F 5/16. A 7/32.

Survey Fee ... £ 2 : 2 : When applied for, 19
 Travelling Expenses (if any) £ : When received 19

MONTHLY ACCOUNT.

John H. Heck, Sh. Davis.
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
 TUE. 11 DEC. 1917

Committee's Minute GLASGOW 12 DEC. 1916

Assigned TRANSMIT TO LONDON

Lloyd's Register
 Foundation