

# REPORT ON BOILERS.

No. 30018.

Received at London Office WED. 26 APR 1911.

Date of writing Report 29/3 1911 When handed in at Local Office 22/4/1911 Port of Glasgow

No. in Survey held at Glasgow Date, First Survey 18/3/11 Last Survey 27/3/11

Reg. Book. on the Tonnage of "EDAVANA" (Number of Visits) Gross 4999 Net 2900

Master H.C. Fenwick Built at Whiteinch By whom built Barclay Curle & Co. Ltd. When built 1911

Engines made at Glasgow By whom made Barclay Curle & Co. Ltd. when made 1911

Boilers made at Glasgow By whom made Barclay Curle & Co. Ltd. when made 1911

Registered Horse Power Owners British India Steam Navigation Co. Ltd. Port belonging to Glasgow.

## MULTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY. — Manufacturers of Steel Steel Company of Scotland & D. Colville & Co.

Letter for record E. Total Heating Surface of Boiler 1220 sq ft Is forced draft fitted No. and Description of boiler One Single Ended Working Pressure 100 lbs Tested by hydraulic pressure to 200 lbs Date of test 24-1-11

No. of Certificate 10756 Can each boiler be worked separately Area of fire grate in each boiler 35 sq ft No. and Description of safety valves to each boiler double spring loaded Area of each valve 5.94 sq ft Pressure to which they are adjusted 105 lbs

Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No

Smallest distance between boiler uptakes and bunkers 22" Mean dia. of boiler 12'-0" Length 10'-0"

Material of shell plates steel Thickness 7/16" Range of tensile strength 28/32 tons Are the shell plates welded or flanged No

Description of riveting: cir. seams S.A. long. seams S.R. & S.S. Diameter of rivet holes in long. seams 7/8" Pitch of rivets 4 5/8"

Width of butt straps 9 1/4" Per centages of strength of longitudinal joint rivets 84.2 plate 81 Working pressure of shell by rules 111

Size of manhole in shell 17" x 13" Size of compensating ring 8" x 3/4" No. and Description of Furnaces in each boiler 2 plain Material steel Outside diameter 9'-7 1/2" Length of plain part top 36'-0" Thickness of plates crown 5/8" bottom 3/8"

Description of longitudinal joint weld No. of strengthening rings none Working pressure of furnace by the rules 133 Combustion chamber plates: Material steel Thickness: Sides 1/2" Back 1/2" Top 1/2" Bottom 7/8" Pitch of stays to ditto: Sides 8" x 9" Back 8" x 9"

Top 8" x 9" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 106 Material of stays steel Diameter at smallest part 9/16" Area supported by each stay 72 sq in Working pressure by rules 132 End plates in steam space: Material steel Thickness 15/16"

Pitch of stays 17" x 17" How are stays secured Nuts Working pressure by rules 136 Material of stays steel Diameter at smallest part 3-26"

Area supported by each stay 289 sq in Working pressure by rules 117 Material of Front plates at bottom steel Thickness 13/16" Material of lower back plate steel Thickness 7/16" Greatest pitch of stays 13 1/2" x 9" Working pressure of plate by rules 124 Diameter of tubes 3 1/4"

Pitch of tubes 4 1/2" x 4 1/2" Material of tube plates steel Thickness: Front 13/16" Back 3/4" Mean pitch of stays abt. 9-9" Pitch across wide water spaces 14 1/4" Working pressures by rules 116 Girders to Chamber tops: Material steel Depth and thickness of girder at centre 7" x 20 5/8" Length as per rule 2'-5 3/4" Distance apart 9" Number and pitch of Stays in each 208"

Working pressure by rules 111 Superheater or Steam chest; how connected to boiler None Can the superheater be shut off and the boiler worked separately

Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

Stays stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,  
FOR BARCLAY, CURLE & CO., LTD. Manufacturer.

Charles Randolph Smith Director Yes

Is the approved plan of boiler forwarded herewith

Total No. of visits

Dates of Survey: During progress of work in shops - - - See Machinery rpt.  
During erection on board vessel - - -

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

See Report on Machinery.

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

A.C. Forster  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute 25 APR. 1911 Glasgow

Assigned See minute on accompanying machinery report

