

## REPORT ON BOILERS.

No. 32343

Received at Glasgow Office WED. FEB. 12. 1913

Date of writing Report 6. 2. 1913 When handed in at Local Office 8. 2. 1913 Port of Glasgow.

No. in Survey held at 128 Sup on the boiler No. 1494 for 1/5. Shahyada Cambay (Mulla + Macfie Engg. Co. 91)

Master A.C. Handeg Built at Ardrossan By whom built Ardrossan & S. S. Co. (1494) When built 1913

Boiler made at Carpin By whom made A. Anderson & Sons (1494) When made 1913

Owners J. Black & Co. Port belonging to Bombay.

(Number of Visits 4.) Gross 725. Net 498.348.

**VERTICAL DONKEY BOILER**— No. 1494 Description Vertical brass boiler Manufacturers of steel Stewart & Lloyd Ltd.

Made at Carpin By whom made A. Anderson & Sons Ltd. When made 1913 Where fixed Stokered Working pressure 100 lbs

tested by hydraulic pressure to 200 lbs Date of test 6. 2. 13 No. of Certificate 11970 Fire grate area 14.18 sq ft Description of safety valves Pair spring loaded

No. of safety valves 2 Area of each 2.4 sq ft Pressure to which they are adjusted 100 lbs. If fitted with easing gear Yes. If steam from main boilers can enter the donkey boiler no. Dia. of donkey boiler 5'-0" Length 11'-0" Material of shell plates steel Thickness 7/16" Range of tensile strength 28/32 Descrip. of riveting long. seams D.R. lap Rivets 73.6 Dia. of rivet holes 13/16" Whether punched or drilled drilled Pitch of rivets 2 3/4"

Up of plating 4" Per centage of strength of joint Rivets 70.4 Working pressure of shell by rules 120 Thickness of shell crown plates 1/2"

Radius of do. 5'-0" No. of Stays to do. 4 Area of stays 2.40 sq ft Diameter of furnace Top 4'-0 3/8" Bottom 4'-5 3/8" Length of furnace 6'-5"

Thickness of furnace plates 7/16" Description of joint weld Working pressure of furnace by rules 100 Thickness of furnace crown plates 9/16" Radius of do. 4'-0" Stayed by 4-1 3/4" stays + uptake tube Diameter of uptake 16" outside thickness of uptake plates 1/2"

Thickness of water tubes 3/8"

The foregoing is a correct description,  
Alex Anderson & Sons Manufacturer.

Dates During progress of work in shops - 1913. Jan. 22. 29. Feby. 4. 6.

Survey while building During erection on board vessel - - -

Total No. of visits 4.

Is the approved plan of boiler forwarded herewith yes.

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

The materials & workmanship are good. This boiler has been built under special survey to the order of Messrs Miller & Macfie Ltd.

This boiler has been securely fitted aboard the above named vessel and its safety valves adjusted under steam.

Survey request form

No. 1059 attached

Survey Fee ... £ 2 : 2 : 0 When applied for, 10-2-1913

Travelling Expenses (if any) £ : : When received, 1/31/1913

A.B. Forster P.I. B.M.M.  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

GLASGOW 11 FEB. 1913

Assigned

Deferred for completion

See minute on

Gls. Rpt. No. 32498

Lloyd's Register  
Foundation

W769-0201