

REPORT ON BOILERS.

No. 41505
THU. MAR. 29 1923

Date of writing Report 28. 11. 1921 When handed in at Local Office 28. 11. 1921 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 9. 9. 1921 Last Survey 28. 10. 1921
 Reg. Book. 58481 on the Donkey boiler N° 8787 T.S. M.V. "DUMANA" (Number of Visits 7)
 Master H. Stockwell Built at Glasgow By whom built Barclay Curle & Co. Ltd. (593) Tons { Gross 8427
 Boilers made at Annan By whom made Cochran & Co. (Annan) Ltd. When built 1923
 Owners British India Steam Navigation Co. Ltd. Port belonging to Glasgow

VERTICAL DONKEY BOILER— No. 8787 Description Cochran Manufacturers of steel D. Colville & Son
 Made at Annan By whom made Cochran & Co. When made 1921 Where fixed Engine Room Working pressure 100
 tested by hydraulic pressure to 200 Date of test 28/10/21 No. of Certificate 5933 Fire grate area 12.5 Description of safety valves direct opening
 No. of safety valves 2 Area of each 3.14 Pressure to which they are adjusted 100 lb. If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler — Dia. of donkey boiler 5'-0" Length 13'-0" Material of shell plates 5 Thickness 15-1/32 Range of tensile
 strength 28/32 Descrip. of riveting long. seams Lap DR. Dia. of rivet holes 25/32 Whether punched or drilled Drilled Pitch of rivets 2.425
 Lap of plating 37/8 Per centage of strength of joint Rivets 74.2 Working pressure of shell by rules 120 Thickness of shell crown plates 31-3/8
 Radius of do. 30 No. of Stays to do. none Dia. of stays — Diameter of furnace Top Rad. 57 Length of furnace 2-11 1/2
 Thickness of furnace plates 1/2 2/32 Description of joint Riv. mg Working pressure of furnace by rules 104 Thickness of furnace crown
 plates 1/2 Radius of do. 25 1/2 Stayed by Hemisphere Diameter of uptake 13x19 1/2 Thickness of uptake plates 1/2
 Thickness of water tubes plates F 21/32 13 17/32

The foregoing is a correct description,

For COCHRAN & CO., ANNAN, LIMITED

Manufacturer.

Dates { During progress of work in shops - 1921 Sep 9. 16. 30 Oct 7. 14. 21. 28.
 of Survey { During erection on board vessel - -
 while building { Total No. of visits 7.

Drawing N° 12747.

Is the approved plan of boiler forwarded herewith yes.

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

This boiler has been built under special survey and the workman-
 ship and materials are good.

It is a duplicate of Boiler N° 8851. 2 (Gls. No. N° 41436-7), with
 the exception of the position of the mantle, and the ashpit.

The boiler is to the order of Messrs The North British Press Works
 L^d. Glasgow.

This boiler has now been fitted in the T.W.S. M.V. "Dumana", and the
 safety valves adjusted under steam to 100 lbs. per square inch.

H. G. Forster.

Glasgow

21.3.23.

Survey Fee ... £ 4: 4: When applied for, 19
 Travelling Expenses (if any) month 4/6: When received, 19

MONTHLY ACCOUNT

Committee's Minute

Assigned

GLASGOW 28 NOV 1921

TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

GLASGOW 28 MAR 1923

See Gls. Rpt. No. 42585

W1207-0045