

REPORT ON BOILERS.

No. 41077

WED. 4 MAY. 1921

Received at London Office

Date of writing Report 2 May 21 When handed in at Local Office 3.5.21 Port of Glasgow

No. in Survey held at Annan Date, First Survey 18th March Last Survey 29th April 1921

on the Donkey Boiler No 8473 M/S "EDIBA" (Number of Visits 7) Gross 6919 Tons Net 4220

Built at Glasgow By whom built Harland & Wolff No 582 When built 1921

Boilers made at Annan By whom made Cochran & Co. Annan Ltd When made 1921

Owners Elder Dempster & Co Ltd. Port belonging to London

VERTICAL DONKEY BOILER - No. 8473 Description Cochran Manufacturers of steel Glasgow & Glasgow & Stewart & Lloyd

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 29/4/21 No. of Certificate 15806 Fire grate area 16 3/4 ft² Description of safety valves Double spring

No. of safety valves 2 Area of each 4.9 ft² Pressure to which they are adjusted 103 lb/sq ft fitted with easing gear yes If steam from main boilers can enter the donkey boiler No

Dia. of donkey boiler 5'-6" Length 14'-0" Material of shell plates Steel Thickness 1/2 - 7/16 Range of tensile strength 28/32 Descrip. of riveting long. seams Lap. S. R. Dia. of rivet holes 25/32 Whether punched or drilled drilled Pitch of rivets 2 1/2"

Up of plating 3/8 Per centage of strength of joint Rivets 69 Plates 68.7 Working pressure of shell by rules 106 Thickness of shell crown plates 1/4 - 13/32

Radius of do. 33 ins No. of Stays to do. none Dia. of stays ✓ Diameter of furnace Top Radius Bottom 57 ins Length of furnace 39 3/4 ins

Thickness of furnace plates 1/4 - 1/2 Description of joint Riveldking Working pressure of furnace by rules 100 Thickness of furnace crown plates 1/2 Radius of do. 28 1/2 ins Stayed by hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 1/2

Thickness of water tube plates F. 23/32 B. 19/32

The foregoing is a correct description.
FOR COCHRAN & CO., ANNAN, LIMITED Manufacturer.
C. Wallis

Dates of Survey while building

During progress of work in shops - -	1921 Mar 18, 23 Apr. 1, 8, 15 - 22, 29	
		During erection on board vessel - -
		Total No. of visits <u>7</u>

Drawing No 11541. ✓

Is the approved plan of boiler forwarded herewith Yes

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

The boiler has been built under special survey.
 The workmanship & materials are good.
 This boiler has now been fitted on board the M/S "EDIBA" in an efficient manner, an examination was made of same and no deterioration was found to have taken place, it is now recommended that the boiler have record of 1923.
 Steam was varied and the safety valves adjusted to 103 lb/sq washers 5. 1/32" P. 17/32"

Survey Fee £ 14 : 4 : } When applied for, 19

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

Committee's Minute GLASGOW 3-MAY 1921

Assigned TRANSMIT TO LONDON

Peter W. Cheyne & H. M. Crockett
 Engineer Surveyors to Lloyd's Register of British and Foreign Shipping.

GLASGOW 24 APR 1921
 See Ser. Rpt. No. 42668

