

REPORT ON BOILERS.

No. 85664.

Date of writing Report 25.7.56 When handed in at Local Office 27.7.56 Port of GLASGOW. Received at London Office 11 AUG 1956
 No. in Survey held at Annan. Date, First Survey 16.2.56 Last Survey 10.7.1956
 Reg. Book 90831 on the "Onno" (Number of Visits 22) Tons } Gross 5434.84
 Built at BELFAST By whom built Harland & Wolff Limited Yard No. 1554 When built
 Boilers made at Annan By whom made Cochran & Co. Annan. Ltd. Boiler No. 20841 When made 1956
 Owners _____ Port belonging to _____

VERTICAL DONKEY BOILER— No. One Description composite Manufacturers of steel Colvilles Ltd.,
 Made at Annan By whom made Cochran & Co. Annan. Ltd When made 1956 Where fixed 24751 Working pressure 120
 tested by hydraulic pressure to 230 Date of test 10.7.56 No. of Certificate EG. 820 sq. ft Total heating surface of boilers OF. 700 sq. ft. Area of firegrate in
 each boiler _____ No. and description of safety valves on each boiler 2 enclosed springs Area of each set of valves per boiler 7.06 Pressure to which
 they are adjusted YES If fitted with easing gear YES If steam from main boilers can enter the donkey boiler — Diameter of boiler 8'-0"
 Length 20'-6" Material of shell plates steel Thickness 21/32 15/16" Range of tensile strength 28/32 Description of riveting long.
 rams D.R.L. Diameter of rivet holes 1.1/32" Whether punched or drilled drilled Pitch of rivets 3 1/8" 2.947 3.15" Lap of
 plating 5" Thickness of shell crown plates 19/32 1.1/32" Radius of do. 4'-0" No. of stays to do. nil Diameter of stays _____ Diameter of
 furnace—Top _____ Bottom 7'-0" Length of furnace _____ Thickness of furnace side plates 23/32" Description of joint seamless Thickness
 of Ogee ring 1.1/32" Thickness of furnace crown plates 23/32" Radius of do. 3'-6" Stayed by hemisphere Diameter of
 uptake 20" x 23.1/2" Thickness of uptake plates 5/8" Thickness of tube plates front 1.1/4" back 1.1/4" Mean pitch of stay tubes in nest as approved
 pitch in outer vertical rows EG. 5.1/4" OF. 6.3/8" Diameter of tube holes FRONT OF. 2.3/16" stay OF. 2.1/16" stay OF. 2.1/16" plain OF. 2.1/16" Tubes: Material steel
 external diameter EG. OF 1 1/2" 2" Thickness stay 11/32" plain 10 LSG. No. of threads per inch 9 Pitch of Tubes EG. 2.625 x 2.875 OF. 3.187 x 3.13
 manhole compensation: Size of opening in shell plate 21 x 17" Section of compensating ring 6.15/32" x 1.1/32" of rivets and
 diameter of rivet holes 40 - 1.1/32" Outer row pitch at ends 4.04

The foregoing is a correct description,
 For COCHRAN & CO., ANNAN, LTD. Manufacturer.

Dates { During progress of work in shops - 1956 7.4.16.23. Mar. 1.4.15.22.29. Apr. 5.12.17.24. May 2.8.17.25.29. June 5. Drawing No. 42591
 Survey while building { During erection on board vessel - - -
 Total No. of visits 22. Is the approved plan of boiler forwarded herewith YES.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
 This boiler has been constructed under Special Survey in accordance with the Society's Rules and approved plans.

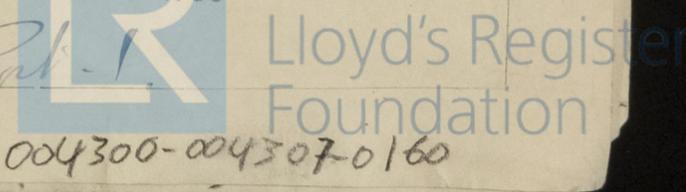
This boiler has been installed on board in an efficient manner and examined under full working condition and the safety valves adjusted under steam to the above noted pressure. Accumulation test carried out with satisfactory results. Safety valve easing gear fitted.



Survey Fee ... £ 16 : 16 : - MONTHLY ACCOUNT
 Travelling Expenses (if any) £ : : } When applied for ... 19
 : : } When received ... 19

Committee's Minute GLASGOW 31 JUL 1956
 Signed Deferred for completion.

J.B. Small.
 Engineer Surveyor to Lloyd's Register of Shipping.
 FRIDAY 28 DEC 1956



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