

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 22 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)
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 Working pressure 120
tested by hydraulic pressure to 230 Date of test 10.7.56 No. of Certificate 24751 Total heating surface of boilers EG. 820 sq. ft.
each boiler No. and description of safety valves on each boiler 2 enclosed springs OF. 700 sq. ft. Area of firegrate in
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
clating 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
urnace—Top Bottom 7'-0" Length of furnace Thickness of furnace side plates 23/32 Description of joint seamless Thickness
Ogee ring 1.1/32" Thickness of furnace crown plates 23/32" Radius of do. 3'-6" Stayed by hemisphere Diameter of
ptake 20" x 23.1/2" Thickness of uptake plates 5/8" Thickness of tube plates front 1.1/4" Mean pitch of stay tubes in nest as approved
EG. 5.1/4" EG. 1.11/16" back 1.1/4" EG. OF
Pitch in outer vertical rows OF. 6.3/8" Diameter of tube holes FRONT OF. 2.1/16" BACK OF. 2.1/16" EG. OF
external diameter stay 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
plain 1 1/2" 2" Thickness plain 10 LSG. crown 10 LSG. Pitch of Tubes 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,

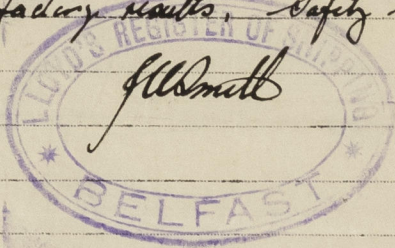
For COCHRAN & CO., ANNAN LTD. Manufacturer.

Dates { During progress of 1956 7.4.16.23. May 1.4.15.22.29. Apr. 5.12.17.24. May 2.8.17.25.29. June 5.
Survey work in shops - 12.21.26. July 3.10. Drawing No. 42591
while During erection on board vessel -
building 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

Su. R. L.

Lloyd's Register Foundation

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