

REPORT ON BOILERS.

No. 67969

13 JAN 1944

Received at London Office

Date of writing Report *11.1.1944* When handed in at Local Office *11.1.1944* Port of *Glasgow*
 No. in Survey held at *Annan* Date, First Survey *30.9.43* Last Survey *31.12.1943*
 Reg. Book. on the *S/S EMPIRE ALLENBY* (Number of Visits *7*) Gross Tons *7* Net *7*
 Built at *Sunderland* By whom built *J. L. Thompson & Co. Ld.* Yard No. *633* When built *1945-6mo.*
 Boilers made at *Annan* By whom made *Bochran & Co. Annan Ld.* Boiler No. *15824* When made *1943*
 Owners *Port belonging to*

VERTICAL DONKEY BOILER— No. *one* Description *Bochran* Manufacturers of steel *Bochran Ld.*
 Made at *Annan* By whom made *Bochran & Co. Annan Ld.* When made *1943* Where fixed *in Main Eng Room on Port side* Working pressure *105 lbs*
 tested by hydraulic pressure to *208* Date of test *31-12-43* No. of Certificate *21620* Fire grate area *9 sq ft* Description of safety valves *ordinary*
 No. of safety valves *2* Area of each *4.9 sq ft* Pressure to which they are adjusted *105 lbs* If fitted with easing gear *yes* If steam from main boilers can enter the donkey boiler *yes*
 Diameter of donkey boiler *6'-6"* Length *16'-3"* Material of shell plates *S* Thickness *15" 32 19" 32*
 Range of tensile strength *28-32 tons* Description of riveting long. seams *DR lap* Diameter of rivet holes *27" 32* Whether punched or drilled *drilled* Pitch of rivets *2.66" 2.16" 2.32* Lap of plating *4 1/4"* Per centage of strength of joint *68.9* Working pressure of shell by rules *109.9* Thickness of shell crown plates *13" 32 7" 8* Radius of do. *3'-3"* No. of stays to do. *-* Diameter of stays *-* Diameter of furnace—Top *-* Bottom *5'-6"* Length of furnace *-* Thickness of furnace side plates *1/2"* Description of joint *seamless* Working pressure of furnace by rules *125* Thickness of Ogee ring *7/8"* Working pressure of Ogee ring by rules *109* Thickness of furnace crown plates *1/2"* Radius of do. *2'-9"* Stayed by *hemisphere* Diameter of uptake *15" x 23"* Thickness of uptake plates *9" 16* Thickness of tube plates *front 2 1/16" 2 3/32" back 2 3/32"* Mean pitch of stay tubes in nest *11.54"* Pitch in outer vertical rows *8"*
 Diameter of tube holes *FRONT stay 2 1/16" plain 2 9/16" BACK stay 2 3/32" plain 2 1/2"* Working pressure of tube plates by rules *F106. B107* Tubes: Material *S*
 External diameter *stay 2 1/2" plain 2 1/2"* Thickness *stay 11" 32 plain 10.156"* No. of threads per inch *9* Pitch of tubes *4" x 3 9/16"*
 Working pressure by rules *175* Manhole compensation: Size of opening in shell plate *21" x 17"* Section of compensating ring *7 1/2" x 1"* No. of rivets and diameter of rivet holes *40 @ 27" 32* Outer row pitch at ends *4 1/8"*

The foregoing is a correct description,

J. L. THOMPSON & CO. ANNAN, LTD. Manufacturer

Drawing No. 28542 A

Dates of Survey while building
 During progress of work in shops— *1943 Sep 30 Oct 21 Nov 4 18 Dec 9 24 31*
 During erection on board vessel— *-*
 Total No. of visits *7*

Is the approved plan of boiler forwarded herewith *NO*
Retained for duplicate cases

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

The materials and workmanship are good.
 The boiler has been constructed under special survey - To the order of Messrs The North Eastern Marine Engineering Co. Ld. for their engine No 3074
 It will be sent to Wallsend to be fitted in the vessel

This Vertical Donkey Boiler has been satisfactorily fitted on board & tested under steam. The S.V.s were adjusted under steam as stated above.

Awatt.
 Newcastle on Tyne
 10/6/45

Survey Fee ... £ 4 : 4 : } When applied for *Mon 1/1/44*
 Travelling Expenses (if any) £ : : } When received *19*

Committee's Minute

Assigned

GLASGOW

11 JAN 1944

Deferred for completion

Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 20 JUL 1945

Su F.E. machy. spk.

Lloyd's Register Foundation

002798-002807-0239