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REPORT ON BOILERS.

No. 69173
26 JAN 1945

Date of writing Report 19... When handed in at Local Office 30.12.1944 Port of GLASGOW.
 No. in Survey held at ANNAN Date, First Survey 26-11-43 Last Survey 29th December, 1944
 Reg. Book. on the 'VIC 74' A/MS 908 (Number of Visits 30) Gross Tons Net
 Built at GREAT YARMOUTH By whom built Brown's Shipbuilding & Drydock Co Ltd. Yard No. 17 When built 1944
 Boilers made at ANNAN By whom made COCHRAN & CO. (ANNAN) LD. Boiler No. X.T. 11159 When made 1944
 Owners THE ADMIRALTY Port belonging to

MAIN
VERTICAL DONKEY BOILER— No. One ✓ Description **Crosstube** ✓ Manufacturers of steel **Colvilles Ltd.** ✓
 Made at ANNAN ✓ By whom made **COCHRAN & CO. (ANNAN) LD.** When made 1944 Where fixed - Working pressure 120 lbs. ✓
 tested by hydraulic pressure to 230 ✓ Date of test 29-12-44 No. of Certificate 21850 Fire grate area 22.5 Description of safety valves **Ordinary** ✓
 No. of safety valves 2 / Area of each 3.14 sq. in. Pressure to which they are adjusted 123 lb. If fitted with easing gear **Yes** If steam from main boilers can enter the donkey boiler - Diameter of donkey boiler 6'3" ✓ Length 14'6" Material of shell plates **S** ✓ Thickness 1/2" ✓
 Range of tensile strength 28-32 tons ✓ Description of riveting long. seams **D.R. LAP** ✓ Diameter of rivet holes 27/32" Whether punched or drilled drilled Pitch of rivets 2.65" 2.67" ✓ Lap of plating 4 1/2" ✓ Per centage of strength of joint Rivets 68.7 Working pressure of shell by rules 132 Thickness of shell crown plates 25/32" Radius of do. 6'2" No. of stays to do. - Diameter of stays - Diameter of furnace—Top 5'1 1/4" ✓ Bottom 5'5" Length of furnace 6'8 1/2" Thickness of furnace side plates 5/8" ✓ Description of joint **Elec. Weld.** Working pressure of furnace by rules 131 Thickness of Ogee ring - Working pressure of Ogee ring by rules - Thickness of furnace crown plates 13/16" ✓ Radius of do. 5'0" ✓ Stayed by **Uptake** ✓ Diameter of uptake 1'9" ✓ Thickness of uptake plates 5/8" ✓ Thickness of tube plates front - back - Mean pitch of stay tubes in nest - Pitch in outer vertical rows -
 Diameter of tube holes FRONT stay - BACK stay - Working pressure of tube plates by rules - Tubes: Material **S** ✓
 External diameter stay - plain 12 1/2" ✓ Thickness stay - plain 7/16" No. of threads per inch **Welded in** ✓ Pitch of tubes 20 1/2" ✓
 Working pressure by rules 120 Manhole compensation; Size of opening in shell plate 16" x 20 1/2" ✓ Section of compensating ring 7 x 1 1/16" No. of rivets and diameter of rivet holes 48 @ 27/32" ✓ Outer row pitch at ends 3.34" ✓

The foregoing is a correct description,
G. R. G.
 FOR COCHRAN & CO. ANNAN. Manufacturer

Dates of Survey while building { During progress of work in shops - 1943 Nov 26 Dec 9, 24 1944 Jan 14, 28 Feb 11, 15 Mar 8, 22 Apr 28, 28 May 5, 10 Drawing No. 27093A
 { During erection on board vessel - 25 Jun 8, 21 Jul 28 Aug 4, 18 Sep 1, 14, 29 Oct 20 Nov 9, 24 Dec 30 Dec 14, 22, 29
 Total No. of visits 30

Is the approved plan of boiler forwarded herewith **Yes**
 Retained for Duplicate use.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
 The workmanship and materials are good.
 The Boiler has been constructed under Special Survey and in accordance with Admiralty Specification for a 66'0" Steam Puffer.
 It will be sent to Great Yarmouth to be fitted in the vessel.
Brown's Yard No 17.

The above boiler installed in 'VIC 74' at Hull under Special Survey, examined under steam, safety valves adjusted to 123 lb (ring sizes 7/32" : 5/16") 17/5/45
 accumulation test held and found satisfactory on completion of all tests.
W. S. Shields,
 Hull.

Survey Fee ... £ 4 : 4 : - } When applied for *Mon 1/12/45*
 Specification ... £ 1 : 1 : - }
 Travelling Expenses (if any) £ : : - } When received

Committee's Minute **GLASGOW** 4 JAN 1945
 Assigned *Transmit to Wokingham*

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 Engineer Surveyor to Lloyd's Register of Shipping
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