

REPORT ON BOILERS.

No. 72102

Date of writing Report 19... When handed in at Local Office 15-9-47 Port of Glasgow Received at London Office 17 SEP 1947
 No. in Survey held at Mothowell Date, First Survey 11.10.45 Last Survey 26. 1946
 Reg. Book on the
 Yard No. 612 Built at Glasgow By whom built A. Stephen & Sons, Ltd. When built
 Boilers made at Mothowell By whom made Broomside Bldg Wks. Co. Ltd. Boiler No. 1898A When made 1946
 Owners Port belonging to

VERTICAL DONKEY BOILER No. One Description Clarkson Exh. gas BE 61700/150 Manufacturers of steel Colvilles, Ltd.
 Made at Mothowell By whom made Broomside Bldg Wks. Co. Ltd. When made 1946 Where fixed Working pressure 120 lb.
 tested by hydraulic pressure 280 lb. Date of test 26.4.46 No. of Certificate 22164 Fire grate area - Description of safety valves 2 1/2" drift
 No. of safety valves 1 Area of each 9.8 sq. Pressure to which they are adjusted If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler
 Diameter of donkey boiler 7'-7" HEIGHT 17'-6" Material of shell plates steel Thickness 1/2"
 Range of tensile strength 28/32 lbs Description of riveting long. seams DR DBS Diameter of rivet holes 13/16" Whether punched or drilled drilled Pitch of rivets 3.268" Lap of platin 3.35" Per centage of strength of joint Working pressure of shell by rules app. 120 lb. Thickness of shell crown plates 1 1/16" Radius of do. 6'-6" No. of stays to do. none Diameter of stays - Diameter of furnace - Top 4'-5 5/8" Bottom Length of furnace 7'-8" Thickness of furnace side plates 1 3/8" Description of joint weld Working pressure of furnace by rules app. 120 lb. Thickness of Ogee ring 1 1/4" Working pressure of Ogee ring by rules app. 120 lb. Thickness of furnace crown plates 1 3/8" Radius of do. 4'-0" Stayed by no stays Diameter of uptake 2'-5 3/4" Thickness of uptake plates 5/8" Thickness of tube plates 1 3/8" Mean pitch of stay tubes in nest none Pitch in outer vertical rows -
 Diameter of tube holes FRONT 4" THIMBLE BACK 3 1/8" Working pressure of tube plates by rules app. 120 lb. Tubes: Material steel
 External diameter 4" x 3 1/4" Thickness 8.99 No. of threads per inch - Pitch of Tubes 4 3/8" x 6.91"
 Working pressure by rules app. 120 lb. Manhole compensation; Size of opening in shell plate CROWN 16" x 12" Section of compensating ring none No of rivets and diameter of rivet holes - Outer row pitch at ends -

The foregoing is a correct description,

for THE BROOMSIDE BOILER WORKS COY. LTD.

John Marshall

Manufacturer.

Dates of Survey while building
 During progress of work in shops 1945. Oct 1. 16. Nov 20. 30 Dec 7. 20. 26.
 During erection on board vessel 1946 Jan 16. Feb 6. 21. 28 Apr 9. 14. 16
 Total No. of Visits 14

Drawing No. 4787

Is the approved plan of boiler forwarded herewith Yes with Regt 73024 - HAWAII.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special survey in accordance with the Rules and approved plans, and the materials and workmanship are good. It has been sent to the shipbuilders for installation in the vessel.

This boiler has been fitted on board under special survey. Safety valves adjusted to 120 lb. and accumulation trials carried out with satisfactory results.

Broomside

Glasgow

20.5.48

Survey Fee ... £ 6 : - : } When applied for 16 SEP 1947
 Travelling Expenses (if any) £ - : 10 : } When received 19

Committee's Minute

Assigned Deferred for Comp.

Engineer Surveyor to Lloyd's Register of Shipping.

012211 - 012220 - 0243

Lloyd's Register
Foundation