

# REPORT ON BOILERS.

No. 1603

Received at London Office 10 OCT 1927

Writing Report 16th Sep. 1927 When handed in at Local Office 16th Sep. 1927 Port of NAGASAKI.  
 Survey held at Annan, Scotland & Nagasaki. Date, First Survey 17th Nov. 1926 Last Survey 30th August 1927.  
 on the Steel Screw Motor Vessel "OLYMPIA MARU". (Number of Visits 14.) Tons Gross 5611.74 Net 3515.60  
 Built at Nagasaki. By whom built Mitsubishi Zosen Kaisha, Ltd. When built 1927.  
 made at Annan, Scotland. By whom made Cochran & Co (Annan) Ltd., When made 1926.  
 Mitsubishi Shoji Kaisha, Ltd., Port belonging to Tokio.

VERTICAL DONKEY BOILER— No. One. Description Cochran Type. Manufacturers of steel Phoenix Hoader Verein.  
 at Annan. By whom made Cochran & Co (Annan) Ltd. When made 1926 Where fixed In Machinery Space. Working pressure 100 lbs.  
 by hydraulic pressure to 200 lbs. Date of test 24-12-26 No. of Certificate 17265 Fire grate area 9 1/2 sq. ft. Description of safety valves Direct Spring Loaded.  
 safety valves 2 Area of each 1.767 sq. in. Pressure to which they are adjusted 105 lbs If fitted with easing gear Yes If steam from main boilers can  
 the donkey boiler / Dia. of donkey boiler 4'-6" Length 11'-9" Material of shell plates Steel. Thickness 3/8" 7/16" 3/8" Range of tensile  
 th 28/32 tons Descrip. of riveting long. seams D.R. Lap. Dia. of rivet holes 23/32" Whether punched or drilled Drilled Pitch of rivets 2.156" 2.383" 2.364"  
 f plating 3 1/2" Per centage of strength of joint Rivets 75.1% Plates 66.8% Working pressure of shell by rules 119.2 lbs Thickness of shell crown plates 1/2"  
 us of do. 2'-3" No. of Stays to do. / Dia. of stays / Diameter of furnace Top Hemisphere Bottom 3'-9" Length of furnace 2'-8 1/2"  
 ness of furnace plates 1/2" Description of joint Welded Seam Working pressure of furnace by rules 183.2 lbs Thickness of furnace crown  
 of Ogee Ring 5/8" Radius of do. 22 1/2" Stayed by Hemisphere Diameter of uptake 10 1/2" x 17" Thickness of uptake plates 1/2"  
 ness of zzzzz tubes plates {Front 19/32" Back 1/2"}  
 The foregoing is a correct description,  
 for COCHRAN & CO (ANNAN) LD., Manufacturer.  
 (Sign) H.C. Woodham.

During progress of work in shops - - 1926./ Nov. 17. 24. 30. Dec. 3. 7. 10. 14. 21. 24. (At Annan, Scotland).  
 During erection on board vessel - - 1927./ July 5. Aug. 18. 22. 23. 30. (At Nagasaki).  
 Total No. of visits 14.

Is the approved plan of boiler forwarded herewith No. See Glasgow Rpt. No. 46224.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special  
 Novey in accordance with the Rules and approved plan. Material and workmanship good.  
 boiler is made of German Steel & the following are the plate numbers:-  
 224- 265. 433- 331. 279- 180. 305. 400- 308. 279- 181. 265-182.  
 e above boiler (constructed by Messrs. Cochran & Co (Annan) Ltd.) has been satisfactorily fixed in  
 e vessel and safety valves adjusted under steam to 105 lbs, per sq. in., ✓

Survey Fee ... £ See : When applied for, 19  
 Travelling Expenses (if any) Machinery Report. : When received, 19

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRI. 14 OCT 1927

Assigned

See Minute on

Reg. Rpt. 1603 attached