

# REPORT ON BOILERS.

No. 45474

Received at London Office 10 MAR 1926

Date of writing Report 27 Jan 1926 When handed in at Local Office 6/3/26 Port of Glasgow

No. in Survey held at Glasgow, Odense Date, First Survey 18-1-26 Last Survey 1-3-1926

Reg. Book. 1200 on the Breen R 3687. This being the motor vessel "TOLEDO" (Number of Visits 13) Gross 4620.60 Tons Net 2829.53

Master Built at Odense By whom built Odense Staalskibsværft (via A. P. Hill) When built 1926

Boilers made at By whom made When made

Owners 9/5 Tank fast I, Tank fast IV, Tank fast V, Tank fast VI Port belonging to Sinsborg

**VERTICAL DONKEY BOILER**— No. One Description Vertical Centrifugal Manufacturers of steel The Steel Co of Scotland Ltd  
 Made at Glasgow By whom made Harriett & Graham When made 1926 Where fixed in the motor room Working pressure 90 lbs.  
 Tested by hydraulic pressure to 180 lbs. Date of test 1-3-26 No. of Certificate 17057 Fire grate area Description of safety valves Spring loaded.  
 No. of safety valves One Area of each 3-1/4 sq. ft. Pressure to which they are adjusted 90 lbs. If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler Yes Dia. of donkey boiler 4'-0" Length 9'-6" Material of shell plates S. Thickness 3/8" Range of tensile strength 28/32 T. Descrip. of riveting long. seams L.D.R. Dia. of rivet holes 13/16 Whether punched or drilled D. Pitch of rivets 2 5/8"  
 Lap of plating 4/4 Per centage of strength of joint Rivets 86.5 Plates 69.0 Working pressure of shell by rules 137 lb Thickness of shell crown plates 15/32"  
 Radius of do. 60" No. of Stays to do. None Dia. of stays Diameter of furnace Top 41" Bottom 43" Length of furnace 52"  
 Thickness of furnace plates 15/32" Description of joint Weld. Working pressure of furnace by rules 90 lb Thickness of furnace crown plates 15/32" Radius of do. 42" Stayed by Diameter of uptake 11 7/8" Thickness of uptake plates 7/16"  
 Thickness of water tubes 3/8"

The foregoing is a correct description,  
 P. Marshall & Graham Manufacturer.  
 Glasgow Drummond

Dates During progress of work in shops - 1926 Jan 18-22-26-29 Feb 3-5-9-11-15-18-23-25 Mar 1  
 of Survey During erection on board vessel - 25/6 20/7 24/7 30/7 31/7 26  
 while building Total No. of visits 13+5

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 Rules. The materials and workmanship employed in its manufacture are sound and good. It will be forwarded to Copenhagen to be fitted on board. The name of Vessel for which it is intended is not known here.

This donkey boiler has now been fitted on board the vessel under my supervision and to my satisfaction, and the safety valve adjusted under steam to 90 lbs. per sq. in.

An "Eureka" feed pump, 90 x 60 x 90 mm duplex, and a feed injector have been fitted to feed the boiler.

Recommend the vessel to have notation of DB 90 lbs. in the Register Book.

Chas. H. Fisher  
 SURVEYOR TO LLOYD'S  
 REGISTER OF SHIPPING

Survey Fee ... £ 4 : 4 : 9 When applied for, 19  
 Travelling Expenses (if any) £ - : : When received, 15/3/19

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

Committee's Minute GLASGOW 9-MAR 1926

Assigned TRANSMIT TO LONDON

FRI. 27 AUG 1926

Lloyd's Register  
 Foundation

012483-012492-0031

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