

Working pressure by rules 218 lbs Superheater or Steam chest; how connected to boiler See Can the superheater be shut off and the boiler worked separately

Diameter	Length	Thickness of shell plates	Material	Description of longitudinal joint	Diam. of rivet
Pitch of rivets	Working pressure of shell by rules	Diameter of flue	Material of flue plates	Thickness	
Stiffened with rings	Distance between rings	Working pressure by rules	End plates: Thickness	How stayed	
Working pressure of end plates	Area of safety valves to superheater	Are they fitted with easing gear			

VERTICAL DONKEY BOILER— Manufacturers of Steel

No. Description

Made at By whom made When made Where fixed

Working pressure tested by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of Safety

Valves No. of Safety Valves Area of each Pressure to which they are adjusted Date of adjustment

If fitted with easing gear If steam from main boilers can enter the donkey boiler Dia. of donkey boiler Length

Material of shell plates Thickness Range of tensile strength Descrip. of riveting long. seams

Dia. of rivet holes Whether punched or drilled Pitch of rivets Lap of plating Per centage of strength of joint Rivets Plates

Working pressure of shell by rules Thickness of shell crown plates Radius of do. No. of stays to do. Dia. of stays

Diameter of furnace Top Bottom Length of furnace Thickness of furnace plates Description of joint

Working pressure of furnace by rules Thickness of furnace crown plates Radius of do. Stayed by

Diameter of uptake Thickness of uptake plates Thickness of water tubes Dates of survey

SPARE GEAR. State the articles supplied:— See other sheet

The foregoing is a correct description,

For Harland & Wolff, Ltd. Manufacturer.

Dates of Survey while building

During progress of work in shops - 1911 - Dec 11, 13, 1912, Jan 8, 15, Feb 5, 7, 13, 21, Mar 14, 24, April 11, 20

During erection on board vessel - May 7, 9, 15, June 3, 11, 14, 19, July 2, 5, 9, up to July 11, 1913

Total No. of visits 128

Is the approved plan of main boiler forwarded herewith Yes

Dates of Examination of principal parts—Cylinders 14-6-13 Covers 8 Pistons Rods

Connecting rods 19-3-13 Crank shaft 24-19-13 Tunnel shafts 20 Screw 21-3-13 Propeller 4-3

Stern tube 4-3-13 Steam pipes tested 2-4-13 Engine and boiler seatings 5-5-13 Engines holding down bolts 10-5-13

Completion of pumping arrangements 10-7-13 Boilers fixed 25-4-13 Engines tried under steam 19-6-13

Main boiler safety valves adjusted 9-6-13 Thickness of adjusting washers 8-12 32

Material of Crank shaft L. Steel Identification Mark on Do. 7.7.B Material of Thrust shaft Do Identification Mark on Do. do

Material of Tunnel shafts do Identification Marks on Do. do Material of Screw shafts do Identification Marks on Do. do

Material of Steam Pipes W. Iron & Solid drawn Steel Test pressure 645 lb.

General Remarks (State quality of workmanship, opinions as to class, &c.)

The machinery of this vessel has been constructed under Special Survey, and in accordance with the Rules. The workmanship and the materials are of good description throughout, and on trial under steam in Belfast Lough, the machinery worked satisfactorily. In my opinion it is eligible for record + L.M.C. 7-13 with notations "Forced Draft" "Electric Light" "Refrigerating Machinery", "One Low Pressure Turbine".

It is submitted that this vessel is eligible for THE RECORD. + L.M.C. 7.13.

F.D.

T 8 CY (2) 24" (2) 38 1/2" (4) 44" - 48" 215 1/2

24 cf. G.S.B. 95 472 H.S. 20376

1 low pressure turbine.

The amount of Entry Fee .. £ 3 : 0 : When applied for, 8-4-13

Special .. £ 80 : 11 : When received, 12-7-13

Donkey Boiler Fee .. £ 17 : : 12-7-13

Travelling Expenses (if any) £ : : 12-7-13

Committee's Minute

Assigned

FRI JUL 18 1913

+ L.M.C. 7.13

J.M. 15.7.13.

R.F. Beveridge

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping



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