

the bilge suction pipes, cocks, and valves arranged so as to prevent any communication between the sea and the bilges
 were stern tube, propeller, screw shaft, and all connections examined in dry dock as the screw shaft tunnel watertight
 fitted with a watertight door worked from **(Donkey Boiler)** Is the screw shaft tunnel watertight

KEY **ERS, &c.**— (Letter for record **S**) Total Heating Surface of Boilers **666.8** Is forced draft fitted **no**

and Description of Boilers **One Single Ended.** Working Pressure **90 lbs** Tested by hydraulic pressure to **180 lbs**

of test **31/5/99** Can each boiler be worked separately Area of fire grate in each boiler **30 1/2** No. and Description of safety valves to

boiler **two direct spring** Area of each valve **4.910** Pressure to which they are adjusted **90 lbs.** Are they fitted

with easing gear **Yes** Smallest distance between boilers or uptakes and bunkers or woodwork **14"** Mean diameter of boilers **9'-6" 19/32**

Material of shell plates **Steel** Thickness **19/32** Description of riveting: circum. seams **single R Lap** long. seams **double R Lap**

Pitch of rivets **3.64"** Lap of plates **width of butt straps** **6 7/16"**

Working pressure of shell by rules **98 lbs** Size of manhole, in shell **16" x 12"**

No. and Description of Furnaces in each boiler **two, plain** Material **Steel** Outside diameter **34 1/4"**

Thickness of plates **7 1/2"** Description of longitudinal joint **Welded** No. of strengthening rings **None**

Working pressure of furnace by the rules **90 lbs** Combustion chamber plates: Material **Steel** Thickness: Sides **15/32"** Back **15/32"** Top **15/32"** Bottom **3/4"**

Working pressure by rules **93 lbs** If stays are fitted with nuts or riveted heads **Nuts made** Working pressure by rules **93 lbs**

Area supported by each stay **2.980** Working pressure by rules **108 lbs** End plates in steam space:

Working pressure by rules **91 lbs** Material of stays **Steel**

Working pressure by rules **102** Material of Front plates at bottom **Steel**

Working pressure of plate **by rules** **173**

Material of Lower back plate **Steel** Thickness **1/2"** Greatest pitch of stays **13 1/4"** Working pressure of plate **by rules** **173**

Material of tube plates **Steel** Thickness: Front **5/8"** Back **5/8"** Mean pitch of stays **11 1/4"**

Working pressures **by rules** **230 lbs** Girders to Chamber tops: Material **Iron** Depth and

Distance apart **7 1/2"** Number and pitch of Stays in each **two, 8 1/2"**

Working pressure by rules **100 lbs** Superheater or Steam chest; how connected to boiler **None** Can the superheater be shut off and the boiler worked

Material **Iron** Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

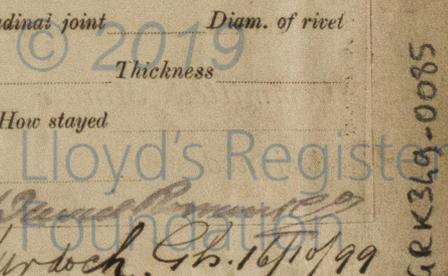
Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

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

Manufacturer **James Watson & Co. Glasgow**

going is a correct description. **G. Purbeck. 15.10/1/99**



GRK369-0085