

REPORT ON BOILERS.

No. 367

Received at London Office

Date of writing Report 191 When handed in at Local Office 191 Part of **SHEFFIELD**

No. in Survey held at **OLDBURY** Date, First Survey Last Survey 191
 Reg. Book. **Fitted on board S.S. "SOUTHWAY"** (Number of Visits) Gross Tons }
 on the **REINFORCED CONCRETE TUG BOILER. N° 6065** Net Tons }

Master **J. Jones** Built at **Montrose** By whom built **Coast Construction Co Ltd** When built **1921**
 Engines made at **Kilmarnock** By whom made **Wm. Ritchie & Co Ltd** When made
 Boilers made at **OLDBURY** By whom made **EDWIN DANKS & CO LTD** When made
 Registered Horse Power Owners **(Claude Angel, Capt)** Port belonging to **London**

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel **John Spencer & Co Ltd**

(Letter for record **9**) Total Heating Surface of Boilers **910 sq ft** Is forced draft fitted
 Boilers **One Single Ended, Cyl. Multitubular** Working Pressure **180 lbs** Tested by hydraulic pressure to **360 lbs** No. and Description of
 No. of Certificate **449** Can each boiler be worked separately Area of fire grate in each boiler **24 sq ft** No. and Description of
 safety valves to each boiler Area of each valve Pressure to which they are adjusted
 Are they fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers **9' 5 1/2"** Length **11' 0"**
 Material of shell plates **Steel** Thickness **3 1/2"** Range of tensile strength **29 1/2 to 34** Are the shell plates welded or flanged
 Descrip. of riveting: cir. seams **D. Riv** long. seams **D. Riv** Diameter of rivet holes in long. seams **1 3/8"** Pitch of rivets **5 1/4"**
 of plates or width of butt straps **12 1/2"** Per centages of strength of longitudinal joint rivets **85.8** Working pressure of shell by
180 lbs Size of manhole in shell **16" x 12"** Size of compensating ring **7 7/8" x 3 1/2"** No. and Description of Furnaces in each
Two, conical Material **Steel** Outside diameter **36 1/2"** Length of plain part **7' 2"** Thickness of plates crown **1 1/2"**
 of longitudinal joint **welded** No. of strengthening rings Working pressure of furnace by the rules **190 lbs** Combustion chamber
 Material **Steel** Thickness: Sides **1/2"** Back **1/2"** Top **1/2"** Bottom **1/2"** Pitch of stays to ditto: Sides **9 1/2" x 9"** Back **9 1/2" x 9"**
 If stays are fitted with nuts or riveted heads **nuts** Working pressure by rules **180 lbs** Material of stays **Steel** Area at
 part **2' 0 3/4"** Area supported by each stay **85.5"** Working pressure by rules **180 lbs** Material of plates in steam space: Material **Steel** Thickness **1 1/2"**
 stays **20 1/2" x 1 1/4"** How are stays secured **D. Riv** Working pressure by rules **180 lbs** Material of stays **Steel** Area at smallest part **5' 0 1/2"**
 supported by each stay **287"** Working pressure by rules **82 lbs** Material of Front plates at bottom **Steel** Thickness **1 1/2"** Material of
 back plate **Steel** Thickness **1 1/2"** Greatest pitch of stays **12" x 10"** Working pressure of plate by rules **80 lbs** Diameter of tubes **2 1/2"**
 tubes **3 1/2"** Material of tube plates **Steel** Thickness: Front **1 1/2"** Back **3/4"** Mean pitch of stays **7"** Pitch across wide
 spaces **13 1/2"** Working pressures by rules **180 lbs** Girders to Chamber tops: Material **Steel** Depth and thickness of
 at centre **9 1/2" x 1 1/4"** Length as per rule **30 1/4"** Distance apart **10"** Number and pitch of Stays in each **Two, 9"**
 Working pressure by rules **220 lbs** Steam dome: description of joint to shell % of strength of joint
 Material Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 of rivets Working pressure of shell by rules Crown plates Thickness How stayed

SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to
 Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
 Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

FOR EDWIN DANKS & COMPANY (OLDBURY) LIMITED,
 The foregoing is a correct description,
J. Henry Manufacturer
 Manager

Dates of Survey During progress of work in shops - - - 12/24/19, 23/7-24/9-24/10-14/11-14/11/19-23/12-5/1-23/1-3/1/20
 while building (During erection on board vessel - - -)
 Total No. of visits

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) **This boiler has been built under Special Survey, the material tested in accordance with the Rules and the workmanship is good.**
This boiler has satisfactorily completed on board, and its safety valves adjusted under steam. For particulars please see London Rpt No 8313
 Survey Fee ... £ **7 : 10-0** When applied for, 191
 Travelling Expenses (if any) £ : : When received, **16.4** 191

Committee's Minute
 Assigned **Not for classing Committee**

R. F. Weston Engineer Surveyor to Lloyd's Register of Shipping.
 FRI. 29 JUL. 1921

Lloyd's Register Foundation
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