

REPORT ON BOILERS.

No. 278

Received at London Office

Date of writing Report 15/7 1918 When handed in at Local Office 15/7 1918 Port of *Sheffield*
 No. in Survey held at *Oldbury* Date, First Survey 31/1/18 Last Survey 13/7 1918
 Reg. Book. on the *Admiralty Drifter Boiler D115. No. 2* (Number of Visits) Tons } Gross
 Master Built at *Lovestoft* By whom built *Colly Bros Ltd.* When built 1918
 Engines made at *Sounby Bridge* By whom made *Dollitt & Hoggell Ltd* When made 1918
 Boilers made at *Oldbury* By whom made *Messrs. Edwin Danks & Co. Ltd.* When made 1918
 Registered Horse Power Owners *British Admiralty.* Port belonging to

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

Letter for record *S* Total Heating Surface of Boilers *814 sq ft* Is forced draft fitted ☒
 Boilers *One S.E. Cyl. Multitubular* Working Pressure *180 lb* Tested by hydraulic pressure to *360 lb* Date of test *13-5-18*
 No. of Certificate *389* Can each boiler be worked separately ☒ Area of fire grate in each boiler *30 sq ft* No. and Description of
 safety valves to each boiler *2 Spring loaded* Area of each valve *3.98 sq in* Pressure to which they are adjusted *150 lb*
 Are they fitted with easing gear *Yes* 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 *6 in* Mean dia. of boilers *10' 0"* Length *9' 6"*
 Material of shell plates *Steel* Thickness *27/32 in* Range of tensile strength *28/32 in* Are the shell plates welded or flanged *Flanged*
 Descrip. of riveting: cir. seams *Double Riv.* long. seams *D.B. Triple* Diameter of rivet holes in long. seams *5/16 in* Pitch of rivets *7 in*
 Lap of plates or width of butt straps *13 1/2 in* Per centages of strength of longitudinal joint rivets *86.9* Working pressure of shell by
 rules *182 lb* Size of manhole in shell *16" x 12"* Size of compensating ring *6" x 3 1/2"* No. and Description of Furnaces in each
 boiler *Two plain* Material *Steel* Outside diameter *3' 2"* Length of plain part *6' 0 1/2"* Thickness of plates *1 1/8 in*
 Description of longitudinal joint *Welded* No. of strengthening rings *1 1/2* Working pressure of furnace by the rules *180 lb* Combustion chamber
 plates: Material *Steel* Thickness: Sides *9/16 in* Back *9/16 in* Top *9/16 in* Bottom *9/16 in* Pitch of stays to ditto: Sides *7 1/2 in* Back *7 1/2 in*
 Top *8 in* If stays are fitted with nuts or riveted heads *Nuts* Working pressure by rules *182 lb* Material of stays *Steel* Diameter at
 smallest part *1 1/2 in* Area supported by each stay *7 1/2 x 7 1/2 in* Working pressure by rules *200 lb* End plates in steam space: Material *Steel* Thickness *3/8 in*
 Pitch of stays *4 x 16 in* How are stays secured *DN 10 in* Working pressure by rules *180 lb* Material of stays *Steel* Diameter at smallest part *3 1/4 in*
 Area supported by each stay *196 sq in* Working pressure by rules *182 lb* Material of Front plates at bottom *Steel* Thickness *3/8 in* Material of
 Lower back plate *Steel* Thickness *3/8 in* Greatest pitch of stays *13 1/4 x 7 1/2 in* Working pressure of plate by rules *229 lb* Diameter of tubes *3 1/4 in*
 Pitch of tubes *4 1/2 x 4 1/2 in* Material of tube plates *Steel* Thickness: Front *7/8 in* Back *7/8 in* Mean pitch of stays *9 1/8 in* Pitch across wide
 water spaces *13 1/2 in* Working pressures by rules *180 lb* Girders to Chamber tops: Material *Steel* Depth and thickness of
 girder at centre *8 x 1 1/2 in* Length as per rule *28 3/4 in* Distance apart *7 in* Number and pitch of Stays in each *Two - 8 in*
 Working pressure by rules *190 lb* Superheater or Steam chest: how connected to boiler — 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
 holes — Pitch of rivets — Working pressure of shell by rules — Diameter of flue — Material of flue plates — Thickness —
 If 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

The foregoing is a correct description,
 FOR EDWIN DANKS & COMPANY (OLDURY) LIMITED.

Dates of Survey } During progress of } 2/1. 13/2. 20/2. 7/3. 19/3. 11/4. 24/4. 13/5/18
 while } work in shops - - -
 building } During erection on } June 15 July 12 Sep 14 25 Oct 2.8.10.11.12.16
 board vessel - - -

Is the approved plan of boiler forwarded herewith *Yes*
 Total No. of visits *18*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *This vessel has been built under special survey, the material tested in accordance with the Rules and the workmanship is good*

Survey Fee ... £ 4 : 10.0
 Travelling Expenses (if any) £ 2.10

When applied for, *May 14 1918*
 When received, *9.7.18*

W. J. Martin & A. R. Farmer
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRI. 3 JAN. 1919

Assigned



Lloyd's Register
 Foundation

009848-009859-0060