

REPORT ON BOILERS.

No. 274

Date of writing Report 23/4/1918 When handed in at Local Office 22/4/1918 Port of *Sheffield*
 No. in Survey held at *Oldbury* Date, First Survey 21/4/15 Last Survey 16/4/15
 Reg. Book. on the *Admiralty Drifter D 113. Blizard* (Number of Visits 5)
 Master Built at *Lowestoft* By whom built *Messrs John Chamberlain & Co* Tons Gross Net
 Engines made at By whom made When made
 Boilers made at *Oldbury* By whom made *Messrs Edwin Banks & Co Ltd* When made 1915
 Registered Horse Power Owners *British Admiralty* Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Letter for record *S* Total Heating Surface of Boilers *814 sq ft* Manufacturers of Steel *John Spencer & Co Ltd*
 Is forced draft fitted
 No. and Description of
 Boilers *One Multitubular* Working Pressure *180 lb* Tested by hydraulic pressure to *360 lb* Date of test *16-4-18*
 No. of Certificate *384* Can each boiler be worked separately
 Area of fire grate in each boiler *36 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
 Material of shell plates *Steel* Thickness *27/32"* Range of tensile strength *28/32* Mean dia. of boilers *10'0"* Length *9'6"*
 Description of riveting: cir. seams *D. Riv* long. seams *D.B. Tube Riv* Diameter of rivet holes in long. seams *7/16"* Pitch of rivets *7"*
 Top of plates or width of butt straps *13 3/4"* Per centages of strength of longitudinal joint
 rivets *86.9*
 plate *86.6*
 Working pressure of shell by
 rules *191 lb* Size of manhole in shell *16 x 12"* Size of compensating ring *6" x 27/32"* No. and Description of Furnaces in each
 boiler *Two, plain* Material *Steel* Outside diameter *3'2"* Length of plain part
 top *6.4*
 bottom *6.4* Thickness of plates crown *11/16"*
 bottom *11/16"*
 Description of longitudinal joint *welded* No. of strengthening rings
 Working pressure of furnace by the rules *191 lb* Combustion chamber
 Material *Steel* Thickness: Sides *9/16"* Back *9/16"* Top *9/16"* Bottom *9/16"* Pitch of stays to ditto: Sides *7 1/4" x 8"* Back *8" x 7 1/2"*
 If stays are fitted with nuts or riveted heads *nuts* Working pressure by rules *180 lb* Material of stays *Steel* Area at
 smallest part *1.5"* Area supported by each stay *8" x 7 1/4"* Working pressure by rules *180 lb* End plates in steam space: Material *Steel* Thickness *7/8"*
 Area supported by each stay *196 sq in* Working pressure by rules *180 lb* Material of stays *Steel* Area at smallest part *3'4"*
 Material of Front plates at bottom *Steel* Thickness *7/8"* Material of
 tubes *4 3/4" x 4 1/2"* Material of tube plates *Steel* Thickness: Front *7/8"* Back *11/16"* Mean pitch of stays *10 7/8"* Pitch across wide
 spaces *10"* Working pressures by rules *180 lb* Girders to Chamber tops: Material
 Length as per rule
 Distance apart
 Number and pitch of Stays in each
 Working pressure by rules
 Steam dome: description of joint to shell
 Thickness of shell plates
 Material
 Description of longitudinal joint
 Diam. of rivet holes
 Working pressure of shell by rules
 Crown plates
 Thickness
 How stayed

SUPERHEATER.

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

The foregoing is a correct description,

EDWIN BANKS & COMPANY (OLDURY) LIMITED.

The approved plan of boiler forwarded herewith

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

Survey Fee ... £ 4.10.0
 Travelling Expenses (if any) £ 1.12.6

When applied for, *April 23 1918*
 When received, *8-6-1918*

Committee's Minute

FRI. DEC. 13. 1913

Engineer Surveyor to Lloyd's Register of Shipping.

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