

# REPORT ON BOILERS.

No. 358

Received at London Office SAT. NOV. 13 1920

Date of writing Report 10-11-1920 When handed in at Local Office 12/4/1920 Port of SHEFFIELD

No. in Survey held at GOLDBURY Date, First Survey 12/5/19 Last Survey 5/11/1920

Reg. Book. on the ADMIRALTY DRIFTER BOILER No. 6152 "MORN"

Master Built at Kings Lynn By whom built Kings Lynn S. B. Co. Ltd. When built 1921

Engines made at Kings Lynn By whom made Dodman & Co. Ltd. When made 1921

Boilers made at GOLDBURY By whom made Edwin Danks & Co. Ltd. When made 1920

Registered Horse Power 43 Owners The Admiralty Port belonging to ✓

## MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

(Letter for record 9) Total Heating Surface of Boilers 814 sq. ft. Is forced draft fitted No. No. and Description of

Boilers 1, Single ended, multitubular Working Pressure 180 lbs. Tested by hydraulic pressure to 360 lbs. Date of test 5-11-20

No. of Certificate 451 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 3.9 sq. ft. Pressure to which they are adjusted 180 lbs.

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 4" Mean dia. of boilers 10'0" Length 9'6"

Material of shell plates Steel Thickness 3/16" Range of tensile strength 25/2 Are the shell plates welded or flanged ✓

Descrip. of riveting: cir. seams D. Riv. long. seams D. B. Tube Diameter of rivet holes in long. seams 5/8" Pitch of rivets 7"

Lap of plates or width of butt straps 13 3/4" Per centages of strength of longitudinal joint rivets 88.9 plate 88.6 Working pressure of shell by

rules 182 lbs. Size of manhole in shell 16" x 12" Size of compensating ring 6" x 3 3/4" No. and Description of Furnaces in each

boiler 1, plain Material Steel Outside diameter 3'2" Length of plain part top 6'0 1/2" bottom 5'11" Thickness of plates crown 1/2" bottom 1/2"

Description of longitudinal joint welded No. of strengthening rings 3 x 3-4 Working pressure of furnace by the rules 180 lbs. Combustion chamber

plates: Material Steel Thickness: Sides 9/16" Back 1/2" Top 9/16" Bottom 1/2" Pitch of stays to ditto: Sides 7 1/2" Back 7 1/2"

Top 8" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 182 lbs. Material of stays Steel Area at

smallest part 1.5 sq. ft. Area supported by each stay 8.7 sq. ft. Working pressure by rules 260 lbs. End plates in steam space: Material Steel Thickness 3/8"

Pitch of stays 4" x 4" How are stays secured D. N. 7/16" Working pressure by rules 85 lbs. Material of stays Steel Area at smallest part 3.4 sq. ft.

Area supported by each stay 196 sq. ft. Working pressure by rules 82 lbs. Material of Front plates at bottom Steel Thickness 5/8" Material of

Lower back plate Steel Thickness 7/8" Greatest pitch of stays 13 1/2" x 7 1/2" Working pressure of plate by rules 229 lbs. Diameter of tubes 3 1/4"

Pitch of tubes 4 3/4" x 4 1/4" Material of tube plates Steel Thickness: Front 7/8" Back 1/2" Mean pitch of stays 9 1/2" Pitch across wide

water spaces 13 1/4" Working pressures by rules 180 lbs. Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 8" x 1 1/2" Length as per rule 28 3/4" Distance apart 7" Number and pitch of Stays in each 2, 8"

Working pressure by rules 190 lbs. Steam dome: description of joint to shell ✓ % of strength of joint ✓

Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

UPERHEATER. 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 (GOLDBURY) LIMITED.  
The foregoing is a correct description,

Signature of Manufacturer

Dates During progress of 12/5-22/5-3/6-16/6-10/7-24/7-1/8-2/8-3/9-14/9-27/9-14/10/19 Is the approved plan of boiler forwarded herewith 40

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

The Builder of King Contracts has allocated this boiler to be

fitted in the Drifter "Morn" Master: Kings Lynn S. B. Co. Ltd.

Survey Fee ... £ 4 : 10-0 When applied for, 191

Travelling Expenses (if any) £ : : When received, 22.1.1921

Signature of Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute FRI. 8 APR. 1921

Assigned FRI. 10 JUN 1921

Lloyd's Register Foundation

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