

REPORT ON BOILERS.

No. 26459

Received at London Office

191 When handed in at Local Office **31 MAY 1915** Port of Sunderland
No. in Survey held at Sunderland Date, First Survey 28 Sep 15 Last Survey 24 May 1915
eg. Book. on the S/S. Spenny moor (Number of Visits ☒) Gross 3992
Master G. Knott Built at Slau By whom built H Blumer & Co Tons { Net 2544
Engines made at Slau By whom made J. Dickinson & Sons When built 1915
Boilers made at " By whom made " When made 1915
Registered Horse Power " Owners W. R. Ruman & Co Port belonging to London

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Spencer & Sons Ltd
Letter for record S Total Heating Surface of Boilers 756 sq ft Is forced draft fitted no No. and Description of
Boilers one multi Working Pressure 100 Tested by hydraulic pressure to 200 Date of test 27.3.15
No. of Certificate 3292 Can each boiler be worked separately ☒ Area of fire grate in each boiler 26 1/2 No. and Description of
Safety valves to each boiler two Spring Area of each valve 2 3/4 Pressure to which they are adjusted 103 lb
Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no
Smallest distance between boilers or uptakes and bunkers or woodwork 20" Mean dia. of boilers 10 ft Length 10 ft
Material of shell plates S Thickness 5/8 Range of tensile strength 28-29-32 Are the shell plates welded or flanged no
Descrip. of riveting: cir. seams dr lap long. seams dr lap Diameter of rivet holes in long. seams 1" Pitch of rivets 3 3/4"
Lap of plates 6 3/4" Per centages of strength of longitudinal joint 85-45 Working pressure of shell by
lap of plates or width of butt straps 6 3/4" plate 13-2
Rules 101 Size of manhole in shell 16" x 12" Size of compensating ring 8" x 5/8 No. and Description of Furnaces in each
Boiler two plain Material S Outside diameter 2' 10 1/2" Length of plain part 6' 1 1/2" Thickness of plates 17
Description of longitudinal joint SR- SB 8 No. of strengthening rings 1 Working pressure of furnace by the rules 114 Combustion chamber
plates: Material S Thickness: Sides 5/8 Back 5/8 Top 5/8 Bottom 5/8 Pitch of stays to ditto: Sides 10 7/8 x 12 Back 10 x 12 3/8
Top 12 x 12 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 105 Material of stays S Diameter at
smallest part 1 1/4" Area supported by each stay 123 3/4 Working pressure by rules 101 End plates in steam space: Material S Thickness 22-23
Pitch of stays 15 x 14 1/2 How are stays secured nuts Working pressure by rules 112 1/2 Material of stays S Diameter at smallest part 1 1/4"
Area supported by each stay 217 1/2 Working pressure by rules 112 1/2 Material of Front plates at bottom B Thickness 32 Material of
Lower back plate S Thickness 16 Greatest pitch of stays 12 x 12 3/8 Working pressure of plate by rules 109 Diameter of tubes 3 1/4"
Pitch of tubes 4 1/2 x 4 1/2 Material of tube plates S Thickness: Front 23/32 Back 5/8 Mean pitch of stays 11 1/2 x 9 Pitch across wide
water spaces 1' 14" Working pressures by rules 103 Girders to Chamber tops: Material S Depth and thickness of
girder at centre 6 1/2 x 5/8 two Length as per rule 2' 3 3/4" Distance apart 7 1/2 Number and pitch of Stays in each one @ 12"
Working pressure by rules 103 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,
John Dickinson & Sons, Limited Manufacturer.

Is the approved plan of boiler forwarded herewith yes
Total No. of visits 1

Dates of Survey { During progress of work in shops - - }
while building { During erection on board vessel - - }

all Machinery report

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
Boiler built under Survey. Materials and workmanship good. Examined under full steam & found satisfactory

Survey Fee ... £ 2.2 : : When applied for, **31 MAY 1915**
Travelling Expenses (if any) £ : : When received, 3/6 1915 4/15

J. J. Finlay
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute FRI. JUN. 4-1915
Assigned see minute on P. Exp. attached

