

REPORT ON BOILERS.

No. 56134
MUN. 15 FEB 1909

Received at London Office

Writing Report 6th Oct. 1908 When handed in at Local Office 19 Port of Newcastle
in Survey held at Gateshead Date, First Survey Jan. 13th 1908 Last Survey Feb 2nd 1909
Book. 5/3 Brantford (Number of Visits) Gross Tons Net
on the
ter Built at Newcastle By whom built Northumbrian & L. B. Co. Ltd. When built
ines made at Sunderland By whom made Richardson Westgarth & Co. Ltd. when made 1908
made at Gateshead By whom made Clarke Chapman & Co. Ltd. when made 1908
stered Horse Power Owners Port belonging to

LTITUBULAR BOILERS ~~MAIN, AUXILIARY OR~~ **DONKEY.**—Manufacturers of Steel J. Spence & Sons
er for record S) Total Heating Surface of Boilers 1000 sq ft Is forced draft fitted No. and Description of
rs One, single-ended Working Pressure 80 lbs Tested by hydraulic pressure to 160 lbs Date of test 5/10/08
of Certificate 7771 Can each boiler be worked separately Area of fire grate in each boiler 34.5 sq ft No. and Description of
valves to each boiler 2 Spring Area of each valve 4.04 sq ft Pressure to which they are adjusted 82 lbs
they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No.
test distance between boilers or uptakes and bunkers or woodwork 15 Mean dia. of boilers 10' - 5 15/32" Length 10' - 0"
rial of shell plates Steel Thickness 17/32 Range of tensile strength 26-29 Are the shell plates welded or flanged No
ip. of riveting: cir. seams S. Lap. long. seams S. Lap. Diameter of rivet holes in long. seams 7/8" Pitch of rivets 4 1/2"
of plates or width of butt straps 6 1/2" Per centages of strength of longitudinal joint rivets 85- Working pressure of shell by
85 lbs Size of manhole in shell 16" x 12" Size of compensating ring 6" x 17/32" plate 80.5- No. and Description of Furnaces in each
2 - plain Material Steel Outside diameter 39" Length of plain part top 79" Thickness of plates crown 9/16"
bottom 75" description of longitudinal joint Welded No. of strengthening rings Working pressure of furnace by the rules 110 lbs Combustion chamber
Material Steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 9/16" Pitch of stays to ditto: Sides 7 1/8" x 7 1/8" Back 7 1/8" x 7 3/4"
7 1/8" x 7 1/8" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 138 lbs Material of stays Steel Diameter at
st part 1.230" Area supported by each stay 62 sq in Working pressure by rules 118 lbs End plates in steam space: Material Steel Thickness 1/16"
of stays 16 1/2" x 14 1/2" How are stays secured S. n. w. Working pressure by rules 93 lbs Material of stays Steel Diameter at smallest part 2.760"
supported by each stay 239 sq in Working pressure by rules 115 lbs Material of Front plates at bottom Steel Thickness 1/16" Material of
back plate Steel Thickness 1/16" Greatest pitch of stays 11" Working pressure of plate by rules 65 lbs Diameter of tubes 3 1/4"
of tubes 4 9/16" x 4 1/4" Material of tube plates Steel Thickness: Front 4/16" Back 5/8" Mean pitch of stays 12 1/8" Pitch across wide
spaces 13" Working pressures by rules 96 lbs Girders to Chamber tops: Material Steel Depth and thickness of
at centre 7 1/4" x 1 1/8" Length as per rule 25" Distance apart 7 7/8" Number and pitch of Stays in each 2 - 7 7/8"
ng pressure by rules 174 Superheater or Steam chest: how connected to boiler None Can the superheater be shut off and the boiler worked
tely Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
ened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
ng pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

For CLARKE, CHAPMAN & Co. LTD.
The foregoing is a correct description,

Robert Scotty Manufacturer.

During progress of work in shops - - Jan 13, 17, 21, 22, Feb 2, 3, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, Mar 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, Apr 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, May 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, Aug 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, Sept 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, Oct 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, Nov 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, Dec 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 1908
During erection on board vessel - - (Nure) Oct. 28. 1908, Jan. 6. 1909
Total No. of visits 21.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. This donkey boiler has
constructed under special survey & the materials & workmanship
found & good. Examined under steam & valves adjusted to the
King pressure. J. T. M. L. C.

Fee ... £ 2 : 2 : - When applied for, Monday 19
Traveling Expenses (if any) £ : : - When received, - 1 DEC 1908

Thomas Field
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

nittec's Minute

FRI. 19 FEB 1909