

# REPORT ON BOILERS.

No. 26459

Received at London Office

No. in Survey held at Sunderland Date, First Survey 28 Sep 15 Last Survey 24<sup>th</sup> May 1915  
 on the S/S Spenny moor (Number of Visits ) Gross 3992  
 Tons Net 2544  
 Master G. Knott Built at Slau By whom built J. Blumer & Co When built 1915  
 Engines made at Slau By whom made J. Dickinson & Sons When made 1915  
 Boilers made at " By whom made " When made 1915  
 Registered Horse Power ✓ Owners Moore & Co W. Runeman & Co Port belonging to London

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel J. Spencer & Son 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 1/2 Length 10 1/2

Material of shell plates S Thickness 5/8 Range of tensile strength 28-29 3/2 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 73.2 Working pressure of shell by  
 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  
 crown 17 bottom 32

Description of longitudinal joint SR-SB No. of strengthening rings 114 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 1/2 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 S Thickness 32 Material of  
 Lower back plate S Thickness 1 1/2 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 2 3/32 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 1/4 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,  
J. Dickinson & Sons, Limited Manufacturer.

Is the approved plan of boiler forwarded herewith yes

Total No. of visits ✓

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

*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

J. J. Findlay  
 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

