

# REPORT ON BOILERS.

No. 257

Received at London Office MON. 20 AUG. 1917

Report 17/8/1917 When handed in at Local Office 17/8/1917 Port of Sheffield  
 Survey held at Oldbury Date, First Survey 12.2.17 Last Survey 3-8-1917  
 on the Donkey Boiler No. 1173 P.S. Assiout (Number of Visits 9) } Gross 4215  
 Built at Londonbury By whom built North of Dulant S.B. & Co } Net 2633  
 When made 1918  
 made at Oldbury By whom made North of Dulant S.B. & Co When made 1917  
 made at Oldbury By whom made North of Dulant S.B. & Co When made 1917  
 Horse Power 20 Owners Moss Steamship Coy Ltd Port belonging to Liverpool

**WATER TUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY.** - Manufacturers of Steel East Kent Steelworks Ltd

Total Heating Surface of Boilers 920 sq ft Is forced draft fitted No No. and Description of  
 Certificate 374 Working Pressure 100 lb Tested by hydraulic pressure to 200 lb Date of test 3-8-17  
 Can each boiler be worked separately Yes Area of fire grate in each boiler 29 sq ft No. and Description of  
 Area of each valve 4.91 sq ft Pressure to which they are adjusted 105 lb  
 In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No  
 Mean dia. of boilers 10' 6" Length 10' 0"  
 Thickness 5/8" Range of tensile strength 27,500 Are the shell plates welded or flanged No  
 Diameter of rivet holes in long. seams 4 1/2" Pitch of rivets 3 5/8"  
 Per centages of strength of longitudinal joint 87% Working pressure of shell by  
 Size of manhole in shell 16" x 12" Size of compensating ring 16" x 12" No. and Description of Furnaces in each  
 Outside diameter 3' 1" Length of plain part 7' 0" Thickness of plates 3/8"  
 Working pressure of furnace by the rules 112 lb Combustion chamber  
 Thickness: Sides 1/2" Back 3/4" Top 1/2" Bottom 3/4" Pitch of stays to ditto: Sides 9' 7" Back 10' 4" 9"  
 Working pressure by rules 106 lb Material of stays Steel Diameter at  
 Area supported by each stay 9' 4" 6" Working pressure by rules 150 lb End plates in steam space: Material Steel Thickness 1/2"  
 Working pressure by rules 130 lb Material of stays Steel Diameter at smallest part 3' 4 1/2"  
 Material of Front plates at bottom Steel Thickness 3/8" Material of  
 Greatest pitch of stays 14' 12" Working pressure of plate by rules 109 lb Diameter of tubes 3 1/2"  
 Material of tube plates Steel Thickness: Front 3/8" Back 1/2" Mean pitch of stays 10' 3 1/2" Pitch across wide  
 Working pressures by rules 100 lb Girders to Chamber tops: Material Steel Depth and thickness of  
 Length as per rule 2' 2" Distance apart 8 1/2" Number and pitch of Stays in each Two, 7"  
 Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked  
 Description of longitudinal joint Material Diam. of rivet  
 Thickness of shell plates Material Description of longitudinal joint Material Diam. of rivet  
 Working pressure of shell by rules Material Diameter of flue Material Thickness Material  
 End plates: Thickness Material How stayed Material  
 Area of safety valves to superheater Material Are they fitted with easing gear Material

The foregoing is a correct description,

F. J. Danks Manufacturer.

Is the approved plan of boiler forwarded herewith Yes  
 Total No. of visits Nine

**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 boiler is intended for the North of Ireland S.B. & Co.

Survey Fee £ 2 : 2/6 When applied for, Aug 17/17  
 Travelling Expenses (if any) £ 3 : 3/3 When received, 10.10.1917  
P. L. Morton  
 Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute FRI. 10 JAN. 1919 FRI. 14 FEB. 1919  
 Lloyd's Register  
 Foundation  
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