

REPORT ON BOILERS.

No. 4607

SAT. OCT. 19. 1912

Received at London Office MIDDLESBROUGH-ON-SEAS

Date of writing Report 19 18. 10 When handed in at Local Office 10^{1/2} Port of
 No. in Survey held at Darlington Date, First Survey 7th June Last Survey 10th Oct. 1912
 Reg. Book. on the Donkey Boiler No. 3202 for the Dundee Shipbuilding Co. S.S. "Tees Trader" (Number of Visits 11) Gross Tons }
 Net Tons }
 Master Donkey Built at Darlington By whom built Blake Boiler, Wagon Eng. Co. Ltd When built 1912
 Boilers made at Darlington By whom made Blake Boiler, Wagon Eng. Co. Ltd When made 1912
 Owners _____ Port belonging to _____

VERTICAL DONKEY BOILER— No. One Description Blake Patent Manufacturers of steel Spencer & Sons Ltd
 Made at Darlington By whom made Blake Boiler, Wagon Eng. Co. Ltd When made 1912 Where fixed Stoke Newington Working pressure 100 lbs
 tested by hydraulic pressure to 200 Date of test 1. 10. 12 No. of Certificate 4953 Fire grate area 16 sq ft Description of safety valves Direct spring
 No. of safety valves One Area of each 5.9 Pressure to which they are adjusted 100 lbs If fitted with easing gear yes If steam from main boilers can enter the donkey boiler No
 Dia. of donkey boiler 5'-9" Length 11'-0" Material of shell plates Steel Thickness 3/16" Range of tensile strength 28-32 Descrip. of riveting long. seams B.R. Lap Dia. of rivet holes 13/16" Whether punched or drilled Drilled Pitch of rivets 2 3/4"
 Lap of plating 4 1/4" Percentage of strength of joint 73.3 Working pressure of shell by rules 106 lbs Thickness of shell crown plates 17/32"
 Radius of do. 4'-3" No. of Stays to do. 1 Dia. of stays 12 x 3/4" Diameter of furnace Top 2'-10 1/2" Bottom 4'-6" Length of furnace 3'-2"
 Thickness of furnace plates 1/2" Description of joint Welded Working pressure of furnace by rules 103 lbs Thickness of furnace crown plates Top 1/16" Radius of do. 3'-0" Stayed by 1 plate stay Diameter of tubes 2 1/2" Thickness of tube plates front 11/16"
Back 1/2" 3 5/8" Vert. 1 Back 29" 32"
 Thickness of water tubes 4.4" diag.

FOR & ON BEHALF OF
THE BLAKE BOILER, WAGON & ENGINEERING CO. LIMITED
James Blake Manufacturer.
 MANAGING DIRECTOR

Dates of Survey while building
 During progress of work in shops -- 1912. June 7. 14. 21. 28. July 8. 25. 31. Aug. 16. 23. Sept. 1. Oct. 1912.
 During erection on board vessel --- 11
 Total No. of visits 11 Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
This boiler has been constructed under Special Survey, is of good material and workmanship, and has been tested by hydraulic pressure with satisfactory results. It is to be fitted on board the vessel at this port.

The Surveyors are requested not to write on or below the space for Committee's Minute.

SURVEY REQUEST NO. 572 ATTACHED.
 Survey Fee ... £ 2 : 2 : When applied for, 19 MONTHLY A/c.
 Travelling Expenses (if any) £ 8/- : When received, 19
J. Kerr
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute TUE. APR. 8-1913
 Assigned ll Minute on Mat. F.E. 7814

