

REPORT ON BOILERS.

No. 7168.

FRI. DEC. 22. 1911

MON. MAR. 4 - 1912

Received at London Office

Date of writing Report

19

When handed in at Local Office

11. 12. 11

Port of MIDDLESBROUGH-ON-TEES.

Date, First Survey

Last Survey

11. Dec. 19 11

No. in
Reg. Book.

Survey held at

Burlington

(Number of Visits

7

Gross

Tons

Net

on the Donkey Boiler No. 3184 for Gooler S. B. & R. Co. SS. No. 146
S. S. "New Abbots Hall"

By whom built

When built

Master

Built at

By whom made

Blake Boiler, Wagon & Eng. Co. Ltd.

When made 1911

Boiler made at Burlington Port belonging to

Owners

VERTICAL DONKEY BOILER

No. One

Description Blake Patent

Manufacturers of steel

J. Spencer Sons Ltd.

Made at Burlington By whom made Blake Boiler, W. & E. Co. Ltd. When made 1911 Where fixed Stokhold Working pressure 100 lbs.

tested by hydraulic pressure to 200 Date of test 1. 12. 11 No. of Certificate 4786 Fire grate area 16 sq. ft. Description of safety valves Direct spring

No. of safety valves Two Area of each 3.9 sq. ft. Pressure to which they are adjusted 103 lbs. If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No Dia. of donkey boiler 5'-9 1/2" Length 11'-0" Material of shell plates Steel Thickness 15/32" Range of tensile strength 27-32 Descrip. of riveting long. seams DR. 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 Rivets 68.6 Working pressure of shell by rules 107 lbs. Thickness of shell crown plates 1/2"

Radius of do. 4'-3" No. of Stays to do. 3 Dia. of stays 20" x 7/16" Diameter of furnace Top 2'-10 1/2" Bottom 4'-6" Length of furnace 3'-2"

Thickness of furnace plates 19/32 Description of joint Welded Working pressure of furnace by rules 130 lbs. Thickness of furnace crown plates 23/32

plates Top 11/16" Radius of do. 3'-0" Stayed by plate 20" x 7/16" Diameter of uptake tubes 2 1/2" Thickness of uptake plates Front 23/32 Back 29/32

Pitch Back 1/2" Thickness of water tubes 3 5/8" Vert. 4'-4" Diag. 1'

The foregoing is a correct description.
For BLAKE BOILER, WAGON & ENGINEERING CO., LIMITED.James Blake Manufacturer.
MANAGING DIRECTOR

Dates

During progress of
work in shops - -

of Survey

During erection on
board vessel - - -

while

building

Total No. of visits

7

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 at this port.

This boiler has now been fitted & secured on board and efficiently lagged with non conducting material, and the safety valves adjusted under steam.

SURVEY

REQUEST

NO.

419

ATTACHED.

MONTHLY

Survey Fee

£ 2 : 2 :

When applied for.

19

Travelling Expenses (if any) £

8/8

When received,

31. 1

1912

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

Committee's Minute

TUE. MAR 5 - 1912

Assigned

015355-015365-0110

Lloyd's Register
Foundation