

REPORT ON WATER TUBE BOILERS.

No. 48106

Received at London Office 23 AUG 1928 - 8 APR 1929

ing Report 191 When handed in at Local Office 191 Port of *Glasgow*

Survey held at *Panama* Date, First Survey *20/10/27* Last Survey *4/6/1928*

on the *S. S. STATENDAM* Number of Visits *24* Gross Tons Net

Built at By whom built When built

made at By whom made *6/12/25* When made

made at *Panama* By whom made *Messrs Babcock & Wilcox Ltd* When made

Horse Power Owners Port belonging to

ER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel

for Record *8* Date of Approval of plan *28/9/27 (Leads & Muddrums)* Number and Description or Type

6 Babcock & Wilcox Type Working Pressure *430 lbs* Tested by Hydraulic Pressure to Date of Test

ertificate Can each boiler be worked separately Total Heating Surface of Boilers

draught fitted Area of fire grate (coal) in each Boiler Total grate area of boilers in vessel including

d Auxiliary No. and type of burners (oil) in each boiler No. and description of safety valves on

er Area of each valve Pressure to which they are adjusted

fitted with easing gear In case of donkey boilers state whether steam from main boilers can enter the donkey boiler

distance between boilers or uptakes and bunkers or woodwork Height of Boiler Width and Length

Drums:—Number in each boiler Inside diameter Material of plates Thickness

f Tensile Strength Are drum shell plates welded or flanged Description of riveting:—

ms long, seams Diameter of rivet holes in long, seams Pitch of Rivets

plate or width of butt straps Thickness of straps Percentage strength of long, joint:—Plate Rivet

r of tube holes in drum Pitch of tube holes Percentage strength of shell in way of tubes

n has a flat side state method of staying Depth and thickness of girders at centre

Distance apart Number and pitch of stays in each Working pressure

Steam Drum Heads or Ends:—Material Thickness Radius or how stayed

Manhole or Handhole *MUD* Water Drums:—Number in each boiler *One* Inside Diameter *6"x6"*

of plates *Steel* Thickness *3/4"* Range of tensile strength *24/29 Tons* Are drum shell plates welded

ed *Solid drawn* Description of riveting:—Cir. seams long, seams Diameter of Rivet Holes in

ms Pitch of rivets Lap of plates or width of butt straps Thickness of straps

ge strength of long, joint:—Plate Rivet Diameter of tube holes in drum *4 3/4"* Pitch of tube holes *7 1/2"*

ge strength of drum shell in way of tubes *44.1* Water Drum Heads or Ends:—Material *Steel* Thickness *3/4"*

or how stayed *Steel* Size of manhole or handhole Tested by Hydraulic Pressure to *700 lbs* Material of Stays

smallest part Area supported by each stay Working Pressure by Rules *620 lbs* Tubes:—Diameter

Number Steam Dome or Collector:—Description of Joint to Shell

ge strength of Joint Diameter Thickness of shell plates Material

on of longitudinal joint Diameter of Rivet Holes Pitch of Rivets Working Pressure of shell

Crown or End Plates:—Material Thickness How stayed

FEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

Test Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler

of Safety Valve Pressure to which each is adjusted Is casing gear fitted

n cock or valve fitted at lowest point of superheater Number, diameter, and thickness of tubes

Gear. Tubes Gaskets or joints:—Manhole Handhole Handhole plates

The foregoing is a correct description,

Manufacturer.

During progress of *1927 Oct 20-24-31 Nov 24-25-30 Dec 1-6-12* Is the approved plan of *Leads & Muddrums* forwarded herewith *Yes*

work in shops - - -

During erection on *428 Feb 29 Mar 1-5-12 11-16-12 24-25-27* Total No. of visits *24*

board vessel - - - *May 8-11-25 June 4*

REAL REMARKS (State quality of workmanship, opinions as to class, &c.) *The Leads, muddrums, & superheater*

have been made under survey in accordance with the Rules and approved plan.

has been tested by hydraulic pressure to 700 lbs; muddrums & superheater boxes to 695 lbs.

These parts have been dispatched to Belfast, where, it is stated, the boilers are

to be erected. Reply letter 27/6/28.

ey Fee ... £ *to see for* When applied for, 191

elling Expenses (if any) £ *Boiler to be erected to Glasgow.* When received, 191

John S. Thomas

Engineer Surveyor to Lloyd's Register of Shipping.

ittee's Minute **GLASGOW 19 JUN 1928**

TUE. 9 APR 1929

ed *Deferred.*

See Minute on Rot Rpt 18287

Lloyd's Register Foundation

3700-98286-0043