

203 Main  
REPORT ON BOILERS.

No. 14706.

Received at London Office THU. AUG. 7-1913

When handed in at Local Office 6<sup>th</sup> Aug. 1913 Port of West Hartlepool

Survey held at West Hartlepool Date, First Survey Last Survey 191  
Description of the Steel steamer Kaskamba  
Built at West Hartlepool By whom built W Gray & Co Ltd When built 1913  
made at West Hartlepool By whom made Central Marine & Works When made 1913  
made at West Hartlepool By whom made Central Marine & Works When made 1913  
Horse Power Owners Bucknall & Sons Ltd Port belonging to London

TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel J. Spencer Jones

Total Heating Surface of Boilers 2561 sq ft Is forced draft fitted Yes No. and Description of

One single ended Working Pressure 220 lb Tested by hydraulic pressure to 440 lb Date of test 25/6/13

Certificate 3331 Can each boiler be worked separately Yes Area of fire grate in each boiler 67.75 sq ft No. and Description of

Area of each valve 11.04 sq ft Pressure to which they are adjusted 225 lb

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler Yes

Distance between boilers or uptakes and bunkers or woodwork 15.9 ft Length 12.3 ft

Thickness 19/16 Range of tensile strength 27-30 Are the shell plates welded or flanged both

Diameter of rivet holes in long. seams 19/16 Pitch of rivets 10 1/4

Per centages of strength of longitudinal joint rivets 89.02 Working pressure of shell by

Size of manhole in shell 16 x 12 Size of compensating ring 24 x 24 x 1 1/2 No. and Description of Furnaces in each

Material Mild Outside diameter 41.75 Length of plain part top Thickness of plates crown 19/32

No. of strengthening rings 1 Working pressure of furnace by the rules 226 lb Combustion chamber

Material Mild Thickness: Sides 1 1/16 Back 1 1/16 Top 1 1/16 Bottom 1 Pitch of stays to ditto: Sides 8 1/2 Back 9 1/2

Working pressure by rules 220 lb Material of stays Mild Diameter at

Area supported by each stay 9 1/2 x 7 1/2 Working pressure by rules 220 lb End plates in steam space: Material Mild Thickness 19/32

Working pressure by rules 220 lb Material of stays Mild Diameter at smallest part 3.05

Working pressure by rules 225 lb Material of Front plates at bottom Mild Thickness 1 1/32 Material of

back plate Mild Thickness 1 Greatest pitch of stays 15 Working pressure of plate by rules 220 lb Diameter of tubes 3

Material of tube plates Mild Thickness: Front 1 1/32 Back 1 1/16 Mean pitch of stays 8 1/2 Pitch across wide

Working pressures by rules 226 lb Girders to Chamber tops: Material Mild Depth and thickness of

Length as per rule 31 1/2 Distance apart 8 1/4 Number and pitch of Stays in each 3 x 8

Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked

Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

FOR THE CENTRAL MARINE ENGINE WORKS,

(W. Gray & Co. Ltd.)

The foregoing is a correct description,

Manufacturer.

DIRECTOR.

Is the approved plan of boiler forwarded herewith Yes

See Report on Machinery

Total No. of visits

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) Workmanship Good.

This main boiler has been constructed under special  
The survey in accordance with the approved Photo Prints and fitted  
in place. See First Entry Report attached hereto.

Survey Fee ... £ : : When applied for, 191  
Travelling Expenses (if any) £ : : When received, 191

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

Committee's Minute FRI. AUG. 8-1913

igned



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