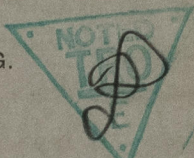


No. 1767

23/1

THE BRITISH CORPORATION FOR THE SURVEY
AND
REGISTRY OF SHIPPING.



Report No. 1621 No. in Register Book

28 1/2

"YORKGARTH"

S.S. Makers of Engines

Smith's Dock Co. Ltd.

Works No.

230

Makers of Main Boilers

Hawthorne Leslie & Co. Ltd.

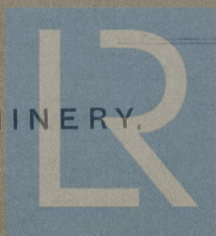
Works No.

8649 Hob.

Makers of Donkey Boiler

Works No.

MACHINERY



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004263-004274-0080

No.

THE BRITISH CORPORATION FOR THE SURVEY
AND
REGISTRY OF SHIPPING.

Report No. No. in Register Book

Received at Head Office

Surveyor's Report on the New Engines, Boilers, and Auxiliary
Machinery of the ^{Single Triple} ~~Twin Quadruple~~ Screw ^{Screw} ~~Screw~~ *Yag.*

Official No.

Port of Registry

Registered Owners

Engines Built by

at

Main Boilers Built by

at

Donkey

at

Date of Completion

First Visit

Last Visit

Total Visits

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RECIPROCATING ENGINES.

Works No. *230* No. of Sets *1* Description *Triple expansion*
S.C. 3 crks.

No. of Cylinders each Engine *3* No. of Cranks *3*
Diams. of Cylinders *14" - 23" - 39"* Stroke *24"*
Cubic feet in each L.P. Cylinder *18.6*

Are Spring-loaded Relief Valves fitted to Top and Bottom of each Cylr.?

" " " each Receiver?

Type of H.P. Valves,

" 1st I.P. "

" 2nd I.P. "

" L.P. "

" Valve Gear

" Condenser

Cooling Surface sq. ft.

Diameter of Piston Rods (plain part)

Screw part (bottom of thread)

Material "

Diam. of Connecting Rods (smallest part)

Material

" Crosshead Gudgeons

Length of Bearing

Material

No. of Crosshead Bolts (each)

Diam. over Thrd.

Thrds. per inch

Material

" Crank Pin " "

" Main Bearings

Lengths

" Bolts in each

Diam. over Thread

Threads per inch

Material

" Holding Down Bolts, each Engine

Diam.

No. of Metal Chocks

Are the Engines bolted to the Tank Top or to a Built Seat?

Are the Bolts tapped through the Tank Top and fitted with Nuts Inside?

If not, how are they fitted?

Connecting Rods, Forged by

Piston " "

Crossheads,

Connecting Rods, Finished by

Piston " "

Crossheads

Date of Harbour Trial

" Trial Trip

Trials run at

Were the Engines tested to full power under Sea-going conditions? *yes.*

If so, what was the I.H.P.?

Revs. per min. *130*

Pressure in 1st I.P. Receiver, *62* lbs., 2nd I.P., *10* lbs., L.P., *10* lbs., Vacuum, *25.4* ins.

Speed on Trial

If the Conditions on Trial were such that full power records were not obtained give the following estimated

data:—

Builders' estimated I.H.P.

Revs. per min.

Estimated Speed



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TURBINE ENGINES.

Works No.	Type of Turbines		
No. of H.P. Turbines	No. of I.P.	No. of L.P.	No. of Stern
Are the Propeller Shafts driven direct by the Turbines or through Gearing?			
Is Single or Double Reduction Gear employed?			
Diam. of 1st Reduction Pinion	} Width	Pitch of Teeth	
" 1st " Wheel			
Estimated Pressure per lineal inch			
Diam. of 2nd Reduction Pinion	} Width	Pitch of Teeth	
" 2nd " Wheel			
Estimated Pressure per lineal inch			
Revs. per min. of H.P. Turbines at Full Power		S.H.P.	
If the Conditions on Trial were such that full power records were not obtained give following estimated			
" " I.P. " "			
" " L.P. " "			
" " 1st Reduction Shaft	Boltless estimated I.H.P.		
" " 2nd " "	Estimated Speed		
" " Propeller Shaft			
Total Shaft Horse Power			
Date of Harbour Trial			
" Trial Trip			
Trials run at			
Speed on Trial	Knots.	Propeller Revs. per min.	S.H.P.
Turbine Spindles forged by			
" Wheels forged or cast by			
Reduction Gear Shafts forged by			
" Wheels forged or cast by			

DESCRIPTION OF INSTALLATION.

No. of Turbo-Generating Sets	Capacity of each
Type of Turbines employed	
Description of Generators	
No. of Motors driving Propeller Shafting	
Are the Propeller Shafts driven direct by the Motors or through Gearing?	
Is Single or Double Reduction Gear employed?	
Description of Motors	
Diam. of 1st Reduction Pinion	} Width
" 1st " Wheel	
Estimated Pressure per lineal inch	
Diam. of 2nd Reduction Pinion	} Width
" 2nd " Wheel	
Estimated Pressure per lineal inch	
Revs. per min. of Generators at Full Power	
No. of Motors	
1st Reduction Shaft	
2nd " "	
Propeller Shaft	
Total Shaft Horse Power	
Date of Harbour Trial	
Trial Trip	
Speed on Trial	
Propeller Revs. per min.	
S.H.P.	



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TURBO-ELECTRIC PROPELLING MACHINERY.

No. of Turbo-Generating Sets Capacity of each

Type of Turbines employed

Description of Generators

No. of Motors driving Propeller Shafting

Are the Propeller Shafts driven direct by the Motors or through Gearing?

Is Single or Double Reduction Gear employed?

Description of Motors

Diam. of 1st Reduction Pinion } Width Pitch of Teeth
 " 1st " Wheel

Estimated Pressure per lineal inch

Diam. of 2nd Reduction Pinion } Width Pitch of Teeth
 " 2nd " Wheel

Estimated Pressure per lineal inch

Revs. per min. of Generators at Full Power

" Motors "

" 1st Reduction Shaft

" 2nd "

" Propellers at Full Power

Total Shaft Horse Power

Date of Harbour Trial

" Trial Trip

Trials run at

Speed on Trial Knots. Propeller Revs. per min. S.H.P.

Makers of Turbines

Generators Are the Crank Shafts Bolt or Solid?

Motors Angle of Crank No. of Lagging in each

Reduction Gears In Way of Webs Actual Place of Hole

Turbine Spindles forged by

Wheels forged or cast by

Reduction Gear Shafts forged by

Wheels forged or cast by

DESCRIPTION OF INSTALLATION.

Type of Thrust Blocks

No. of Thrust Shafts at bottom of Collars

Diam. of Thrust Shafts at bottom of Collars

Forward Coupling

At Air Coupling

No. of Collars

No. of Intermediate Shafts by Hole

Actual

No. of Holes each Coupling

Diam. at Mid Length

Diam. of Pitch Circle

No. of Lagging

Actual

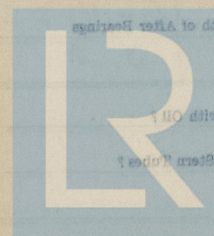
Diam. of Propeller Shafts by Hole

Are Propeller Shafts fitted with Couplings Press Liners?

Are Means provided for Indicating the After Bearings with Oil?

Of what Material are the After Bearings composed?

Length of After Bearings



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No. of Blades each Propeller *Fitted or Solid?*

Material of Blades

Boss

Diam. of Propellers

Pitch

Surface (each

S. ft.

Coefficient of Displacement of Vessel at $\frac{1}{2}$ Moulded Depth

Crank Shafts Forged by

Material

" Pins "

" Webs "

Thrust Shafts "

Intermed. " "

Propeller " "

Crank " Finished by

Thrust " "

Intermed. " "

Propeller " "

STAMP MARKS ON SHAFTS.

Crank Shaft

B.C.
 Nov 403
 28-9-22
 G. H. B.

Thrust & Tail Shafts

B.C.
 6-11-22
 J. F.

SKETCH OF PROPELLER SHAFT.

No. of Air Pumps

Worked by Main or Independent Engines?

No. of Circulating Pumps

Type of

Diam. of

Has each Pump a High Section with Non-return Valve?

What other Pumps can circulate through Condensers?

No. of Feed Pumps on Main Engines

Are Spring-loaded Relief Valves fitted to each Pump?

Can one Pump be overhauled while the others are at work?

No. of Independent Feed Pumps

What other Pumps can feed the Boilers?

No. of High Pumps on Main Engines

Can one Pump be overhauled while the others are at work?

No. of Independent High Pumps

What other Pumps can draw from the Boilers?

Are all High Sections fitted with Bosses?

Are the Valves etc. so arranged as to prevent maintenance connection between Pumps and Highs?

Are all Sea Connections made with valves on the Ship's side?

Are they placed so as to be easily accessible?

Are the Discharge Pipes placed above or below the Deep Load Line?

Are the Pipes placed so as to be easily accessible?

Are all High or other Pumps fitted with Relief Valves and Governing Pumps or Pumps

on the Condenser?

BOILERS.

Works No. 8649 Hob.
 No. of Boilers 1 Type Cylindrical multitubular
 Single or Double-ended single.
 No. of Furnaces in each 3.
 Type of Furnaces Morrison.
 Date when Plan approved 3-8-22.
 Approved Working Pressure 200 lbs.
 Hydraulic Test Pressure 350 "
 Date of Hydraulic Test 10-11-22
 " when Safety Valves set 13-1-23
 Pressure at which Valves were set 205 lbs.
 Date of Accumulation Test 13-1-23
 Maximum Pressure under Accumulation Test 209 lbs.
 System of Draught natural.
 Can Boilers be worked separately? yls.
 Makers of Plates Jno. Spencer & Sons.
 " Stay Bars do
 " Rivets R. Br. & Co. Ltd.
 " Furnaces James Marshall & Co.
 Greatest Internal Diam. of Boilers 14-0 13/32
 " " Length " 11'-9"
 Square Feet of Heating Surface each Boiler 2126 ft
 " " Grate " 60 ft
 No. of Safety Valves each Boiler 2 Rule Diam. Actual 3"
 Are the Safety Valves fitted with Easing Gear? yls.
 No. of Pressure Gauges, each Boiler 2 No. of Water Gauges 1
 " Test Cocks 3 " Salinometer Cocks 1

Test Mark on Boilers:—

B. C.
 No 3915
 350 lbs.
 W. P. 200 lbs.
 10-11-22
 H. N.

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Are the Water Gauges fitted direct to the Boiler Shells or mounted on Pillars?

Are the Water Gauge Pillars fitted direct to the Boiler Shells or connected by Pipes?

Are these Pipes connected to Boilers by Cocks or Valves?

Are Blow-off Cocks or Valves fitted on Boiler Shells?

No. of Strakes of Shell Plating in each Boiler

Plates in each Strake

Thickness of Shell Plates Approved

in Boilers

Are the Rivets Iron or Steel?

Are the Longitudinal Seams Butt or Lap Joints?

Are the Butt Straps Single or Double?

Are the Double Butt Straps of equal width?

Thickness of outside Butt Straps

inside

Are Longitudinal Seams Hand or Machine Riveted?

Are they Single, Double, or Treble Riveted?

No. of Rivets in a Pitch

Diam. of Rivet Holes Pitch

No. of Rows of Rivets in Centre Circumferential Seams

Are these Seams Hand or Machine Riveted?

Diam. of Rivet Holes Pitch

No. of Rows of Rivets in Front End Circumferential Seams

Are these Seams Hand or Machine riveted?

Diam. of Rivet Holes Pitch

No. of Rows of Rivets in Back End Circumferential Seams

Are these Seams Hand or Machine Riveted?

Diam. of Rivet Holes Pitch

Size of Manholes in Shell

Dimensions of Compensating Rings

Thickness of End Plates in Steam Space Approved

in Boilers

Pitch of Steam Space Straps

Threads per Inch

Approved

in Boilers

Material of

How are Straps Secured?

Diam. and Thickness of Loose Washers on End Plates

Riveted

With

Thickness of Middle Back End Plates Approved

in Boilers

Thickness of Doublets in Wide Spaces between

Pitch of Straps as

Diam. of Straps Approved

in Boilers

Material

Are Straps fitted with Nuts outside

Thickness of Head End Plates at Bottom Approved

in Boilers

Pitch of Straps at Wide Spaces between

Thickness of Doublets in

Thickness of Front End Plates at Bottom Approved

in Boilers

No. of Longitudinal Straps in Space between



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Thickness of End Plates in Steam Space Approved

" " " " " in Boilers

Pitch of Steam Space Stays

Diar. " " " " Approved Threads per Inch

" " " " " in Boilers

Material of " " "

How are Stays Secured?

Diar. and Thickness of Loose Washers on End Plates

" " Riveted " " "

Width " " Doubling Strips "

Thickness of Middle Back End Plates Approved

" " " " " in Boilers

Thickness of Doublings in Wide Spaces between Fireboxes

Pitch of Stays at " " "

Diar. of Stays Approved Threads per Inch

" " in Boilers

Material "

Are Stays fitted with Nuts outside?

Thickness of Back End Plates at Bottom Approved

" " " " " in Boilers

Pitch of Stays at Wide Spaces between Fireboxes

Thickness of Doublings in " "

Thickness of Front End Plates at Bottom Approved

" " " " " in Boilers

No. of Longitudinal Stays in Spaces between Furnaces

Threads per Inch

Plan of Stays Approved

" " in Boilers

Material "

Thickness of Front Tube Plates Approved

" " " " in Boilers

Pitch of Stay Tubes at Spaces between Stacks of Tubes

Thickness of Doublings in " "

Stay Tubes at " "

Are Stay Tubes fitted with Nuts at Front End?

Thickness of Back Tube Plates Approved

" " " " in Boilers

Pitch of Stay Tubes in Back Tube Plates

" " " " " Plain

Thickness of Stay Tubes

" " " " " Plain

External Diam. of Tubes

Material "

Thickness of Furnace Plates Approved

" " " " in Boilers

Smallest outside Diam. of Tubes

Length between Tube Plates

Width of Combustion Chambers (Front to Back)

" " " " " " "

" " " " " in Boilers

Pitch of Stayed Stays in C.C. Tubes



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Diam. of Stays Approved Threads per Inch

" " in Boilers

Material "

Thickness of Front Tube Plates Approved

" " " " in Boilers

Pitch of Stay Tubes at Spaces between Stacks of Tubes

Thickness of Doublings in " " "

" Stay Tubes at " " "

Are Stay Tubes fitted with Nuts at Front End?

Thickness of Back Tube Plates Approved

" " " in Boilers

Pitch of Stay Tubes in Back Tube Plates

" Plain "

Thickness of Stay Tubes

" Plain "

External Diam. of Tubes

Material "

Thickness of Furnace Plates Approved

" " " in Boilers

Smallest outside Diam. of Furnaces

Length between Tube Plates

Width of Combustion Chambers (Front to Back)

Thickness of " " Tops Approved

" " " in Boilers

Pitch of Screwed Stays in C.C. Tops

Diam. of Screwed Stays Approved

" " " in Boilers

Material "

Thickness of Combustion Chamber Sides Approved

" " " in Boilers

Pitch of Screwed Stays in C.C. Sides

Diam. " Approved

" " " in Boilers

Material "

Thickness of Combustion Chamber Backs Approved

" " " in Boilers

Pitch of Screwed Stays in C.C. Backs

Diam. " Approved

" " " in Boilers

Material "

Are all Screwed Stays fitted with Nuts at C.C.?

Thickness of Combustion Chamber Bottoms

" " " in Boilers

No. of Girders over each Wing Chamber

" " " in Boilers

Height and Thickness of Girders

" " " in Boilers

No. of Stays in each

" " " in Boilers

No. of Tubes in each

" " " in Boilers

Size of Tubes in each



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Diar. of Screwed Stays Approved Threads per Inch

" " " in Boilers

Material " "

Thickness of Combustion Chamber Sides Approved

" " " " in Boilers

Pitch of Screwed Stays in C.C. Sides

Diar. " " Approved Threads per Inch

" " " in Boilers

Material " "

Thickness of Combustion Chamber Backs Approved

" " " " in Boilers

Pitch of Screwed Stays in C.C. Backs

Diar. " " Approved Threads per Inch

" " " in Boilers

Material " "

Are all Screwed Stays fitted with Nuts inside C.C.?

Thickness of Combustion Chamber Bottoms

No. of Girders over each Wing Chamber

" " " Centre

Depth and Thickness of Girders

Material of Girders

No. of Stays in each

No. of Tubes, each Boiler

Size of Lower Manholes

VERTICAL DONKEY BOILERS.

No. of Boilers

Type

Greatest Int. Diam.

Height

Height of Boiler Crown above Fire Grate

Are Boiler Crowns Flat or Dished?

Internal Radius of Dished Ends

Thickness of Plates

Description of Frame in Boiler Crown

Diam. of Rivet Holes

Width of Overlap

Height of Firebox Crown above Fire Grate

Are Firebox Crowns Flat or Dished?

External Radius of Dished Crowns

Thickness of Plates

Material

Diam.

No. of Crown Stays

External Diam. of Firebox at Top

Bottom

Thickness

Ext. Diam.

No. of Water Tubes

Material of Water Tubes

Size of Manhole in Shell

Dimensions of Compensating Ring

Grate Surface

Heating Surface, each Boiler

SUPERHEATERS

Description of Superheaters

Where situated?

Which Boilers are connected to Superheaters?

Can Superheaters be shut off while Boilers are working?

No. of Safety Valves on each Superheater

Date when Safety Valves set

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VERTICAL DONKEY BOILERS.

No. of Boilers	Type		
Greatest Int. Diar.		Height	
Height of Boiler Crown above Fire Grate			
Are Boiler Crowns Flat or Dished?			
Internal Radius of Dished Ends		Thickness of Plates	
Description of Seams in Boiler Crowns			
Diarr. of Rivet Holes	Pitch	Width of Overlap	
Height of Firebox Crowns above Fire Grate			
Are Firebox Crowns Flat or Dished?			
External Radius of Dished Crowns		Thickness of Plates	
No. of Crown Stays	Diarr.	Material	
External Diarr. of Firebox at Top	Bottom	Thickness of Plates	
No. of Water Tubes	Ext. Diarr.	Thickness	
Material of Water Tubes			
Size of Manhole in Shell			
Dimensions of Compensating Ring			
Heating Surface, each Boiler		Grate Surface	

SUPERHEATERS.

Description of Superheaters

Where situated?

Which Boilers are connected to Superheaters?

Can Superheaters be shut off while Boilers are working?

No. of Safety Valves on each Superheater

Diarr.

Are " " fitted with Easing Gear?

Date of Hydraulic Test

Test Pressure

Date when Safety Valves set

Pressure on Valves

MAIN STEAM PIPES

No. of Lengths	
Material	
Heated, Welded or Seamed?	
Internal Diarr.	
Thickness	
How are Flanges secured?	
Date of Hydraulic Test	
Test Pressure	

No. of Lengths	
Material	
Heated, Welded or Seamed?	
Internal Diarr.	
Thickness	
How are Flanges secured?	
Date of Hydraulic Test	
Test Pressure	

No. of Lengths	
Material	
Heated, Welded or Seamed?	
Internal Diarr.	
Thickness	
How are Flanges secured?	
Date of Hydraulic Test	
Test Pressure	



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EVAPORATORS.

No.	Type	Tons per Day
Makers		
Working Pressure	Test Pressure	Date of Test
Date of Test of Safety Valves under Steam		

FEED WATER HEATERS.

No.	Type	
Makers		
Working Pressure	Test Pressure	Date of Test

FEED WATER FILTERS.

No.	Type	Size
Makers		
Working Pressure	Test Pressure	Date of Test

LIST OF DONKEY PUMPS.

Came as c/s Carlgarth

No. of Top of Valve	No. of Top of Valve	No. of Top of Valve	No. of Top of Valve
Jack Ring Valve	Feed Pump Valve	Feed Pump Valve	Feed Pump Valve
H.P. Piston Rings	H.P. Piston Rings	H.P. Piston Rings	H.P. Piston Rings
Valve Springs	Valve Springs	Valve Springs	Valve Springs
Feed Check Valve	Feed Check Valve	Feed Check Valve	Feed Check Valve
Valve Springs	Valve Springs	Valve Springs	Valve Springs
Air Pump Valve	Air Pump Valve	Air Pump Valve	Air Pump Valve
Valve Springs	Valve Springs	Valve Springs	Valve Springs
Condenser Tubes	Condenser Tubes	Condenser Tubes	Condenser Tubes



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SPARE GEAR.

No. of Top End Bolts.	No. of Bot. End Bolts.	No. of Cylinder Cover Studs
" Coupling Bolts	" Main Bearing Bolts	" Valve Chest "
" Junk Ring Bolts	" Feed Pump Valves	" Bilge Pump Valves
" H.P. Piston Rings	" I.P. Piston Rings	" L.P. Piston Rings
" " Springs	" " Springs	" " Springs
" Safety Valve "	" Fire Bars	" Feed Check Valves
" Piston Rods	" Connecting Rods	" Valve Spindles
" Air Pump Rods	" Air Pump Buckets	" Air Pump Valves
" Cir. "	" Cir. "	" Cir. "
" Crank Shafts	" Crank Pin Bushes	" Crosshead Bushes
" Propeller Shafts	" Propellers	" Propeller Blades
" Boiler Tubes	" Condenser Tubes	" Condenser Ferrules

OTHER ARTICLES OF SPARE GEAR:—

REFRIGERATORS.

No. of Machines

Capacity of each

Makers

Description

No. of Steam Cylinders, each Machine

No. of Compressors

No. of Cranks

Particulars of Pumps in connection with Refrigerating Plant and whether worked by Refrigerating Machines
or Independently

System of Refrigeration

Insulation

Are Brine and other Regulating Valves placed so as to be accessible without entering the Insulated Spaces?

Are all Pipes, Air Trunks, &c., well secured and protected from risk of damage?

Are all Bilge, Sounding, and Air Pipes in Insulated Spaces properly insulated?

Are Thermometer Tubes so arranged that Water cannot enter and freeze in them?

Date of Test under Working Conditions

RESULTS OF TRIALS.

Articles of Spare Gear for Refrigerating Plant carried on board:—

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ELECTRIC LIGHTING.

No. and Description of Dynamos

Makers of Dynamos

Capacity	Amperes, at	Volts,	Revs. per Min.
----------	-------------	--------	----------------

Current Alternating or Continuous

Single or Double Wire System

Position of Dynamos

“ Main Switch Board

No. of Circuits to which Switches are provided on Main Switch Board

Particulars of these Circuits:—

Total No. of Lights

No. of Motors driving Fans, &c.

No. of Heaters

Current required for Motors and Heaters

Positions of Auxiliary Switch Boards, with No. of Switches on each

Are Cut-outs fitted as follows?—

On Main Switch Board, to Cables of Main Circuits

On Aux. " " each Auxilliary Circuit

Wherever a Cable is reduced in size

To each Lamp Circuit

To both Flow and Return Wires of all Circuits when the Double-Wire System is adopted

Are the Fuses of Standard Sizes ?

Are all Switches and Cut-outs constructed of Non-inflammable Material?

Are they placed so as to be always and easily accessible?

Smallest Single Wire used, No.	S.W.G.,	Largest, No.	S.W.G.
--------------------------------	---------	--------------	--------

How are Conductors in Engine and Boiler Spaces protected ?

„ Saloons, State Rooms, &c., „ ?

What special protection is provided in the following cases?—

- (1) Conductors exposed to Heat or Damp
- (2) „ passing through Bunkers or Cargo Spaces
- (3) „ „ Deck Beams or Bulkheads

Are all Joints in Cables properly soldered and thoroughly Insulated so that the efficiency of the Cables is unimpaired?

Are all Joints in accessible positions, none being made in Bunkers or Cargo Spaces?

Are all Hull Connections for Single-Wire Systems made with Screws of large Surface?

Are the Dynamos, Motors, Main and Branch Cables, so placed that the Compasses are not injuriously affected by them?

Have Tests been made to prove that this condition has been satisfactorily fulfilled?

Has the Insulation Resistance over the whole system been tested?

What does the Resistance amount to?

Ohms.

Is the Installation supplied with a Voltmeter?

" " " an Ampere Meter?

Date of Trial of complete Installation

Duration of Trial

Have all the requirements of Section 42 been satisfactorily carried out?

GENERAL CONSTRUCTION.

Have the Machinery and Boilers been constructed in accordance with the requirements of the Rules and the

Approved Plans? *yes.*

If not, give details of the points of difference, and state when these were sanctioned by the Chief

Surveyor.

Have Tests been made to prove that this condition has been satisfactorily fulfilled?

Has the Institution Resistance over the whole system been tested?

What does the Resistance amount to?

Is the Installation supplied with a Vacuum?

Has the Installation been tested?

Have all the requirements of Section 42 been satisfactorily carried out?

Are the Materials used in the Construction of Engines and Boilers, so far as could be seen, sound and

trustworthy? *yes.*

Is the Workmanship throughout thoroughly satisfactory? *yes.*

Are they placed so as to be always and easily accessible?

The above correctly describes the Machinery of the S.S.

as ascertained by *me* from personal examination

"Yorkgarth"

J. D. Stephenson

Engineer Surveyor to the British Corporation for the
Survey and Registry of Shipping.

Fees—

MAIN BOILERS.

		£	s.	d.	
H.S.	2126	Sq. ft.	14	4	5
G.S.	60.5	"	:	:	:

DONKEY BOILERS.

		£	s.	d.
H.S.	✓	Sq. ft.	:	:
G.S.	✓	"	:	:
		£	:	:

ENGINES.

			£	s.	d.
L.P.C.	18.6	Cub. ft.	18	10	0
			£	:	:

Testing, &c. ...		£	:	:
Expenses ...		£	:	:
Total ...	£ 32	:	14	5

It is submitted that this Report be approved,

John King
Chief Surveyor.

Approved by the Committee for the Class of M.B.S.* on the

7th March 1923

Fees advised

Fees paid



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Foundation
Secretary.

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Testes

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