

No. 2242

THE BRITISH CORPORATION FOR THE SURVEY
AND
REGISTRY OF SHIPPING.

Report No. 2238 No. in Register Book 3621

M^r F. W. MOORE

S.S. *GEORGE L. EATON*

Makers of Engines

Swanwick & Co. Ltd.

Works No.

337

Makers of Main Boilers

Blair (1926) Ltd.

Works No.

C. 182.

Makers of Donkey Boiler

Works No.

© 2020

MACHINERY.

Lloyd's Register
Foundation

No.

THE BRITISH CORPORATION FOR THE SURVEY
AND
REGISTRY OF SHIPPING.

Report No. No. in Register Book

Received at Head Office *8th November 1929*

Surveyor's Report on the New Engines, Boilers, and Auxiliary
Machinery of the ~~Single Triple~~ *Single Triple* Screw *Steamer*
"George L. Latou"

Official No. *160717* Port of Registry *Grimsby*
Registered Owners *Hall Corporation of Canada*

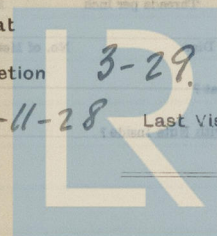
Engines Built by *Cuyther Dock Co. Ltd.*
at *South Bank-on-Sea*

Main Boilers Built by *Blair & Co. (1926) Ltd.*
at *Stockton-on-Tees*

Donkey " "
at

Date of Completion *3-29*

First Visit *19-11-28* Last Visit *26-3-29* Total Visits *40*



© 2020

Lloyd's Register
Foundation

RECIPROCATING ENGINES.

Works No.

334

No. of Sets

1

Description

Triple expansion.
C.C. Berks.

No. of Cylinders each Engine

3

No. of Cranks

3

Diams of Cylinders

15"-25"-40"

Stroke

33"

Cubic feet in each L.P. Cylinder

24

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)

Screwed part (bottom of thread)

Material

Diam. of Connecting Rods (smallest part)

Material

" Crosshead Guidebars

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

Brown Bros.

Piston

" "

Crossheads

Connecting Rods, Finished by

Cruitts & Co.

Piston

" "

Crossheads,

Date of Harbour Trial

19-3-29

" Trial Trip

25-3-29

Trials run at

In Lees Bay.

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

yes.

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

820

Revs. per min. 110

Pressure in 1st I.P. Receiver,

59

lbs., 2nd I.P.,

lbs., L.P., 11

lbs., Vacuum, 25 ins.

Speed on Trial

no speed taken

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



© 2020

Lloyd's Register
Foundation

TURBINE ENGINES.

Works No.	Type of Turbines		
No. of H.P. Turbines	No. of I.P.	No. of L.P.	No. of Astern
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.	
" " I.P. " "			
" " L.P. " "			
" " 1st Reduction Shaft			
" " 2nd " "			
" " 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			

TURBO-ELECTRIC INSTALLATIONS IN ENGINEERING.

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		S.H.P.	
" " Motors			
" 1st Reduction Shaft			
" 2nd " "			
" 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.



© 2020

Lloyd's Register
Foundation

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

" 1st " Wheel

} Width

Pitch of Teeth

Estimated Pressure per lineal inch

Diam. of 2nd Reduction Pinion

" 2nd " Wheel

} Width

Pitch of Teeth

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

" Motors

" Reduction Gear

Turbine Spindles forged by

" Wheels forged or cast by

Reduction Gear Shafts forged by

" Wheels forged or cast by

DESCRIPTION OF INSTALLATION.



© 2020

Lloyd's Register
Foundation

No. of Blades each Propeller

Material of Blades

Diam. of Propellers

Pitch

Surface (each

S. ft.)

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

Crank Shafts Forged by

Life Long Co.

Material

I.S.

Pins

Webs

Thrust Shafts

Intermed. "

Propeller "

Crank " Finished by

Thrust "

Intermed. "

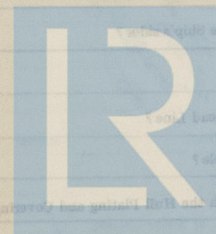
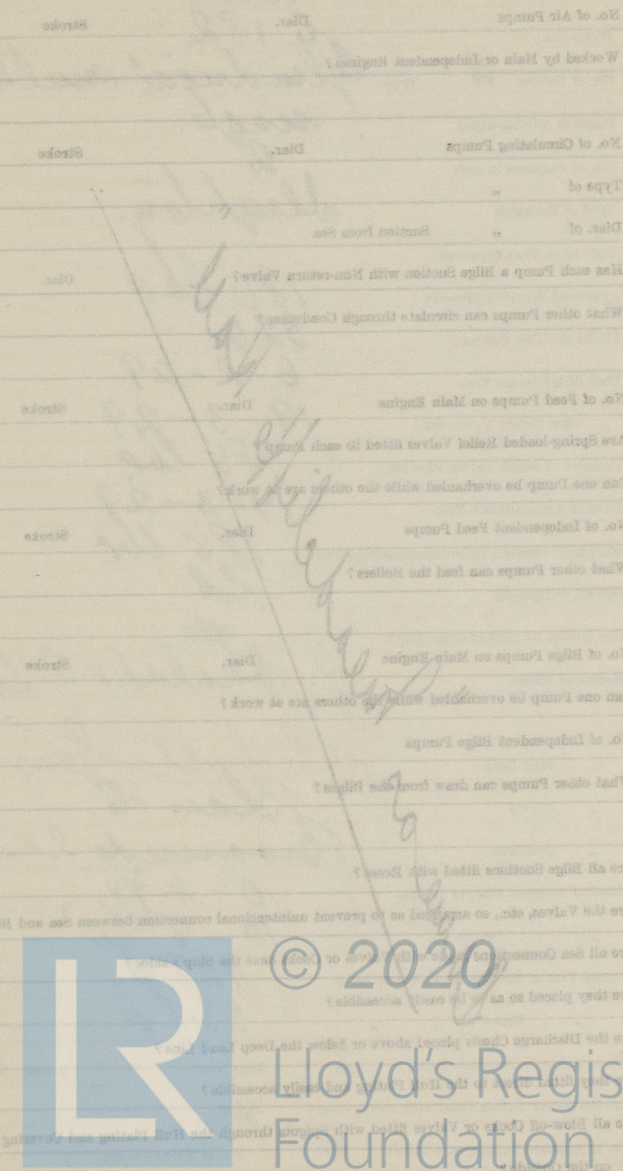
Propeller "

STAMP MARKS ON SHAFTS.

Crank. Thrust & Tail Shafts:—

B. O.
N^o 220
21-12-28
R. S.

SKETCH OF PROPELLER SHAFT.



© 2020

Lloyd's Register
Foundation

PUMPS, ETC. SKETCH OF SHIP'S

No. of Air Pumps

Diar.

Stroke

Worked by Main or Independent Engines?

No. of Circulating Pumps

Diar.

Stroke

Type of

"

Diar. of

"

Suction from Sea

Has each Pump a Bilge Suction with Non-return Valve?

Diar.

What other Pumps can circulate through Condenser?

No. of Feed Pumps on Main Engine

Diar.

Stroke

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

Diar.

Stroke

What other Pumps can feed the Boilers?

No. of Bilge Pumps on Main Engine

Diar.

Stroke

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

No. of Independent Bilge Pumps

What other Pumps can draw from the Bilges?

Are all Bilge Suctions fitted with Roses?

Are the Valves, etc., so arranged as to prevent unintentional connection between Sea and Bilges?

Are all Sea Connections made with Valves or Cocks next the Ship's sides?

Are they placed so as to be easily accessible?

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

Are they fitted direct to the Hull Plating and easily accessible?

Are all Blow-off Cocks or Valves fitted with Spigots through the Hull Plating and Covering Plates or Flanges

on the Outside?

BOILERS

Work No.

No. of Boilers

Single or Double-ended

No. of Furnaces in each

Type of Furnaces

Date when Plan approved

Approved Working Pressure

Hydraulic Test Pressure

Date of Hydraulic Test

" when Safety Valves set

Pressure at which Valves were set

Date of Accumulation Test

Maximum Pressure under Accumulation Test

System of Drafting

Can Boilers be worked separately?

Makers of Boilers

" Day Plate

" Rivets

" Furnaces

Greatest Internal Diam. of Boilers

" " "

Square Foot of Heating Surface

" " "

" " "

Are the Safety Valves fitted with Safety Cocks?

No. of Independent Feed Pumps

Test Cocks



© 2020

Lloyd's Register
Foundation

BOILERS.

Works No.

No. of Boilers

2

Type

C. 182.
Cylindrical multitubular
single.

Single or Double-ended

No. of Furnaces in each

2

Type of Furnaces

Slighton.

Date when Plan approved

Approved Working Pressure

180 lbs.

Hydraulic Test Pressure

320 "

Date of Hydraulic Test

6-2-29

" when Safety Valves set

19-3-29

Pressure at which Valves were set

185 lbs.

Date of Accumulation Test

19-3-29

Maximum Pressure under Accumulation Test

185 lbs.

System of Draught

C.A.

Can Boilers be worked separately?

Yes.

Makers of Plates

J. Shulap & Co. Ltd.

" Stay Bars

D. Leavelle & Sons Ltd.

" Rivets

Blair B.

" Furnaces

Brookside S. & Co. A

Greatest Internal Diam. of Boilers

10'-4 3/8"

" " Length "

10'-9 1/16"

Square Feet of Heating Surface each Boiler

1128 sq ft

" " Grate "

33.8 sq ft

No. of Safety Valves each Boiler

2

Rule Diam.

Actual

2 1/2"

Are the Safety Valves fitted with Easing Gear?

Yes.

No. of Pressure Gauges, each Boiler

2

No. of Water Gauges

1

" Test Cocks

3

" Salinometer Cocks

1



© 2020

Lloyd's Register
Foundation

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



© 2020

Lloyd's Register
Foundation

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



© 2020

Lloyd's Register
Foundation

Diar. 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 Diar. of Tubes

Material "

Thickness of Furnace Plates Approved

" " " in Boilers

Smallest outside Diar. 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.O. Tops

Threads per Inch

Diar. of Screwed Stays Approved

" " " in Boilers

Material "

Thickness of Combustion Chamber Sides Approved

" " " in Boilers

Pitch of Screwed Stays in C.O. Sides

Diar. " Approved " Threads per Inch

" " " in Boilers

Material "

Thickness of Combustion Chamber Backs Approved

" " " in Boilers

Pitch of Screwed Stays in C.O. Backs

Diar. " Approved " Threads per Inch

" " " in Boilers

Material "

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

Thickness of Combustion Chamber Bottoms

No. of Girders over each Wing Flange

© 2020



Lloyd's Register
Foundation

Diam. of Screwed Stays Approved Threads per Inch

" " " in Boilers

Material " "

Thickness of Combustion Chamber Sides Approved

" " " " in Boilers

Pitch of Screwed Stays in C.O. Sides

Diam. " " Approved Threads per Inch

" " " in Boilers

Material " "

Thickness of Combustion Chamber Backs Approved

" " " " in Boilers

Pitch of Screwed Stays in C.O. Backs

Diam. " " Approved Threads per Inch

" " " in Boilers

Material " "

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

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

Type
No. of Bottom
Greatest Diam. Boil.
Height
Height of Boiler Crown above Fire Grate
Are Boiler Crowns Flat or Dished?
Internal Radius of Dished Boil.
Thickness of Plates
Description of Joists in Boiler Crown
Diam. of Rives Boil.
Width of Overlap
Height of Rives Crown above Fire Grate
Are Rives Crowns Flat or Dished?
External Radius of Dished Crown
Thickness of Plates
Diam.
No. of Crown Stays
External Diam. of Rives as Top
Bottom
Thickness of Plates
No. of Water Tubes
Diam. Boil.
Material of Water Tubes
Size of Manhole in Shell
Dimensions of Combustion Liner
Heating Surface, each Boiler
Diam. Boil.

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
Are they fitted with lifting gear?
Date of Examination
Date when Safety Valves set



© 2020

Lloyd's Register
Foundation

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			
Diar. 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	Diar.	Material	
External Diar. of Firebox at Top	Bottom	Thickness of Plates	
No. of Water Tubes	Ext. Diar.	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	Diar.
Are " " fitted with Easing Gear?	
Date of Hydraulic Test	Test Pressure
Date when Safety Valves set	Pressure on Valves

MAIN STEAM PIPES



© 2020

Lloyd's Register
Foundation

MAIN STEAM PIPES.

No. of Lengths

Material

Brazed, Welded or Seamless

Internal Diam.

Thickness

How are Flanges secured?

Date of Hydraulic Test

Test Pressure

No. of Lengths

Material

Brazed, Welded or Seamless

Internal Diam.

Thickness

How are Flanges secured?

Date of Hydraulic Test

Test Pressure

No. of Lengths

Material

Brazed, Welded or Seamless

Internal Diam.

Thickness

How are Flanges secured?

Date of Hydraulic Test

Test Pressure

LIST OF DONKEY PUMPS
EVAPORATORS

FEED WATER HEATERS

FEED WATER FILTERS



© 2020

Lloyd's Register
Foundation

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.	1	Type	Holden Brook
Makers			
Working Pressure	180 lbs	Test Pressure	400 lbs
			Date of Test

FEED WATER FILTERS.

No. 1 Type Inacall & Pallock
Makers
Working Pressure 180 lbs. Test Pressure 400 lbs. Date of Test:

LIST OF DONKEY PUMPS.

Same as head cliffs Hall

© 2020

Lloyd's Register
Foundation

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:—

© 2020

Lloyd's Register
Foundation

No. of Machines
to each
circuit

Developer and
maker of
this circuit

No. of
Lamp
to be
used

No. of
Lamp
to be
used

DESCRIPTION

Description

No. of circuits (including main switch)

No. of circuits

No. of circuits

Particulars of circuits to which switches are provided on Main Switch Board

on Main Switch Board

Installation Fitted by

R. Pickersque & Sons, Ltd.

No. and Description of Dynamos

One compound wound
Underland Force Cuslo Ltd.

Makers of Dynamos

Capacity " 110 Amperes at 1/2 Volts 350 Revs. per Min.

Current Alternating or Continuous

Continuous.

Single or Double Wire System

Double

Position of Dynamos

Starting platform

" Main Switch Board

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

4

Particulars of these Circuits:—

Circuit.	Number of Lights.	Candle Power.	Current Required. Amps.	Size of Conductor.	Current Density.	Conductivity of Conductor.	Insulation Resistance per Mile.
----------	-------------------------	------------------	-------------------------------	--------------------------	---------------------	----------------------------------	---------------------------------------

Same as Maudsliffe Hall		
© 2020		
Lloyd's Register Foundation		
Total No. of Lights	No. of Motors driving Fans, &c.	No. of Heaters
Current required for Motors and Heaters		

Current required for Motors and Heaters

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

Position of Switch Board	No. of Switches on Main Switch Board	No. of Switches on Auxiliary Switch Board	Position of Switch Board	No. of Switches on Main Switch Board	No. of Switches on Auxiliary Switch Board

Are Out-outs fitted as follows?—

On Main Switch Board, to Cables of Main Circuits

On Aux. " " each Auxiliary 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 Out-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? Have the Machinery and Boilers been examined in accordance with the requirements of the Regulations?

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 25-3-29. Duration of Trial 6 hours.

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



© 2020

Lloyd's Register
Foundation

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.

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.*

The above correctly describes the Machinery of the S.S. *11* GEORGE L. EATON *11*

as ascertained by ^{me} from personal examination

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

Fees—

MAIN BOILERS.		£	s.	d.
H.S.	<i>2256</i> Sq. ft.	:	:	:
G.S.	<i>64.6</i> "	:	:	:
DONKEY BOILERS.				
H.S.	Sq. ft.	:	:	:
G.S.	"	:	:	:
		£	:	:
ENGINES.				
L.P.O.	<i>24</i> Cub. ft.	:	:	:
		£	:	:
Testing, &c. ...		:	:	:
		£	:	:
Expenses ...		:	:	:
Total ...		£	:	:

It is submitted that this Report be approved,

Gas Barr for Chief Surveyor.

Approved by the Committee for the Class of M.B.S.* on the *13th November 1929.*

Fees advised

Fees paid



© 2020

Lloyd's Register
Foundation
Secretary.



© 2020

Lloyd's Register
Foundation