

No. 2284

Barclay Curle & Co

635.

31/5/29

THE BRITISH CORPORATION FOR THE SURVEY
AND
REGISTRY OF SHIPPING.

16/2/51

Report No. 2240 No. in Register Book 3654

FRANK WILKINSON.

"Fairriver."
"Fairstream"

S.S.

Makers of Engines

Barclay Curle & Co. Ltd.

Works No.

635

Makers of Main Boilers

Same

Works No.

635

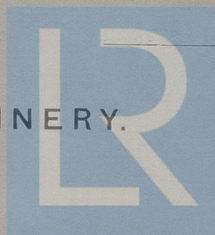
Makers of Donkey Boiler

—

Works No.

—

MACHINERY.



© 2020

Lloyd's Register
Foundation

00725-00735-0230

No. 2284

THE BRITISH CORPORATION FOR THE SURVEY
AND
REGISTRY OF SHIPPING.

Report No. No. in Register Book

S.S. " Fairriver.
~~Fairstream.~~ "

Makers of Engines Barclay, Curle & Co., Ltd.

Works No. 635

Makers of Main Boilers do.

Works No. 635

Makers of Donkey Boiler —

Works No. —

MACHINERY.



© 2020

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. 31st May 1929.

Surveyor's Report on the New Engines, Boilers, and Auxiliary
Machinery of the ~~Single~~ ~~Screw~~ Steamer
" ~~Fairstream~~ river "

Official No.

Port of Registry

Registered Owners

Engines Built by Barclay, Curle & Co., Ltd.
at Scotstoun, Glasgow.
Main Boilers Built by Same firm
at Kelvinhaugh St., Glasgow.

Donkey " "

at

Date of Completion

27/5/29

First Visit

26/2/29

Last Visit

27/5/29

Total Visits

16

Lloyd's Register
Foundation

RECIPROCATING ENGINES.

Works No. **635** No. of Sets **One** Description **Triple expansion vertical direct-acting surface-condensing steam**

No. of Cylinders each Engine **3** No. of Cranks **3**
 Diars of Cylinders **15", 25" and 40"** Stroke **33"**
 Cubic feet in each L.P. Cylinder **24**

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

" " each Receiver? **Yes, except H.P. Piston.**

Type of H.P. Valves,

Slide.

L.P.,

L.P.

" Valve Gear

" Condenser

Stevenson Link Motion.
Riveted Steel.

Cooling Surface **700** 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)

2 Diam. over Thrd.

Thrds. per inch

Material

" Crank Pin

2

" Main Bearings

6

Lengths

" Bolts in each

2

Diam. over Thread

Threads per inch

Material

" Holding Down Bolts, each Engine

61

Diam.

No. of Metal Chocks

61

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

Tank top.

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

Yes.

If not, how are they fitted?

Connecting Rods, Forged by

Rotherham Y. & R. M. Co. Ltd.

Piston

" "

Crossheads,

Barclay, Curle & Co. Ltd.

Connecting Rods, Finished by

Piston

" "

Crossheads,

Date of Harbour Trial

22/5/29

" Trial Trip

27/5/29.

Trials run at

Skelmorlie + Girth of Clyde.

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

Yes; in ballast.

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

724

Revs. per min.

89

Pressure in **H.P.** Receiver,

178

lbs., **and** I.P.,

60

lbs., L.P.,

7

lbs., Vacuum,

26

ins.

Speed on Trial

8.52 Knots.

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

**For all other particulars,
 see Report on
 S.S. "Sarniadoc".**



© 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 MACHINERY. DESCRIPTION OF INSTALLATION.

No. of Turbines employed

Type of Turbines employed

Description of Installation

No. of Motors driving Propeller Shafts

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

Estimated Pressure per lineal inch

Diam. of 2nd Reduction Pinion

" 2nd " Wheel

Estimated Pressure per lineal inch

Revs. per min. of H.P. Turbines at Full Power

" " 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



© 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

SHAFTING.

Are the Crank Shafts Built or Solid?

Built

No. of Lengths in each

One

Angle of Cranks

120°

Diar. by Rule

Actual

8³/₈"

In Way of Webs

8⁷/₈"

" of Crank Pins

8³/₈"

Length between Webs

8¹/₄"

Greatest Width of Crank Webs

1'-4¹/₄"

Thickness

5¹/₄"

Least

" "

1'-0"

"

"

Diar. of Keys in Crank Webs

1³/₄"

Length

3³/₄"

" Dowels in Crank Pins

Length

Screwed or Plain

No. of Bolts each Coupling

6

Diar. at Mid Length

2"

Diar. of Pitch Circle

1'-0⁷/₈"

Greatest Distance from Edge of Main Bearing to Crank Web

3¹/₁₆"

Type of Thrust Blocks

Horse-Shoe.

No. " Rings

4

Diar. of Thrust Shafts at bottom of Collars

8³/₈"

No. of Collars

4

" " Forward Coupling

"

At Aft Coupling

8³/₈"

Diar. of Intermediate Shafting by Rule

Actual

No. of Lengths

No. of Bolts, each Coupling

Diar. at Mid Length

Diar. of Pitch Circle

Diar. of Propeller Shafts by Rule

Actual

9"

At Couplings

9¹/₈"

Are Propeller Shafts fitted with Continuous Brass Liners?

Yes.

Diar. over Liners

10³/₁₆"

Length of After Bearings

3'-0"

Of what Material are the After Bearings composed?

Lig. Vitae strips.

Are Means provided for lubricating the After Bearings with Oil?

No.

" " to prevent Sea Water entering the Stern Tubes?

"

If so, what Type is adopted?

SKETCH OF CRANK SHAFT.

see Report on
S.S. "Sarniadoc"



© 2020

Lloyd's Register
Foundation

No. of Blades each Propeller *4* Fitted or Solid? *Fitted.*
 Material of Blades *C.I.* Boss *C.I.*
 Diam. of Propellers *12'-3"* Pitch *10'-9"* Surface (each) *48* S. ft.
 Coefficient of Displacement of Vessel at $\frac{3}{4}$ Moulded Depth

Crank Shafts Forged by	<i>Dennystown Forge.</i>	Material	<i>I.S.</i>
" Pins "	" "	"	"
" Webs "	<i>Beardmore & Co.</i>	"	"
Thrust Shafts "	<i>Dennystown Forge.</i>	"	"
Intermed. "	"	"	"
Propeller "	"	"	"
Crank " Finished by	<i>Barclay, Curle & Co.</i>		
Thrust " "	"	"	"
Intermed. "	"	"	"
Propeller "	"	"	"

STAMP MARKS ON SHAFTS.

B.C.
 11035
 J.W.H.
 9/4/29

SKETCH OF PROPELLER SHAFT.

See Report on
S.S. "Sarniadoc".



© 2020

Lloyd's Register
 Foundation

PUMPS, ETC.

No. of Air Pumps *One* Diar. *1'-2"* Stroke *1'-5"*
 Worked by Main or Independent Engines? *Main.*

No. of Circulating Pumps *One* Diar. *9½" + 12"* Stroke *1'-6"*

Type of " *Vert. singlex.*

Diar. of " Suction from Sea *7"*

Has each Pump a Bilge Suction with Non-return Valve? *Yes.* Diar. *4"*

What other Pumps can circulate through Condenser? *Ballast.*

No. of Feed Pumps on Main Engine *2* Diar. *2½"* Stroke *1'-5"*

Are Spring-loaded Relief Valves fitted to each Pump? *Yes.*

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? *Injector + G.S.*

No. of Bilge Pumps on Main Engine *2* Diar. *2½"* Stroke *1'-5"*

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

No. of Independent Bilge Pumps

What other Pumps can draw from the Bilges? *Ballast.*

Are all Bilge Suctions fitted with Roses? *Yes, except mud boxes*

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

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? *Above.*

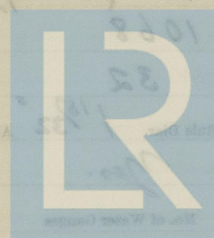
Are they fitted direct to the Hull Plating and easily accessible? *Yes.*

Are all Blow-off Cocks or Valves fitted with Spigots through the Hull Plating and Covering Plates or Flanges on the Outside? *Yes.*

BOILERS

Boiler No. 2
Capacity of Boilers in each
Type of Boilers
Date when first started
Approved Working Pressure
Hydraulic Test Pressure
Date of Hydraulic Test
When Safety Valves set
Pressure at which Valves were set
Date of Re-Commissioning Test
Maximum Pressure under Re-Commissioning Test
System of Drafting
Can Boilers be worked separately?
Diagram of Boilers
Boiler No. 1
Capacity of Boilers in each
Type of Boilers
Date when first started
Approved Working Pressure
Hydraulic Test Pressure
Date of Hydraulic Test
When Safety Valves set
Pressure at which Valves were set
Date of Re-Commissioning Test
Maximum Pressure under Re-Commissioning Test
System of Drafting
Can Boilers be worked separately?
Diagram of Boilers

with tail pipes in mscy spaces.



© 2020

Lloyd's Register
 Foundation

BOILERS

Works No. **635**

No. of Boilers **2** Type **Cyl. multitubular.**

Single or Double-ended **Single.**

No. of Furnaces in each **2**

Type of Furnaces **Deighton.**

Date when Plan approved **26/11/28**

Approved Working Pressure **180 lb/□"**

Hydraulic Test Pressure **320 "**

Date of Hydraulic Test **15/4/29**

" when Safety Valves set **22/5/29**

Pressure at which Valves were set **185 lb/□"**

Date of Accumulation Test **22/5/29**

Maximum Pressure under Accumulation Test **185 lb/□"**

System of Draught **F.D., c.a. (Howden's.)**

Can Boilers be worked separately? **Yes.**

Makers of Plates **Wm Beardmore & Co. Ltd.**

" Stay Bars **"Steel bar" Scotland Ltd.**

" Rivets **Rivet, Bolt & Nut Co. "**

" Furnaces **Wm Beardmore & Co. "**

Greatest Internal Diam. of Boilers **10'-1 3/8"**

" " Length " **10'-10" (nearly.)**

Square Feet of Heating Surface each Boiler **1068**

" " Grate " " **32**

No. of Safety Valves each Boiler **2** Rule Diam. **1 15/32"** Actual **1 3/4"** H.L.

Are the Safety Valves fitted with Easing Gear? **Yes.**

No. of Pressure Gauges, each Boiler **1** No. of Water Gauges **1**

" Test Cocks **3** " Salinometer Cocks **1**

B.C. TEST.

5147

320 lb.

W.P. 180 "

C.M.S.

15/4/29



© 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

0.3.2.2
7412
5.0.5
0.81.9W
2.M.C
P5/4/21

See Report on "Sarniadoc."



© 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

See Report on "Sarniadoc"



© 2020

Lloyd's Register
Foundation

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

See Report on "Sarniadoc."

See Report on "Sarniadoc."



© 2020

Lloyd's Register
Foundation

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.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 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

see Report on "Sarniadoc."



© 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

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
One	Exhaust	Hocking & Co.	25 lb/sq	Coils 450 lb/sq body 50 "	(covered by cladding.)

FEED WATER FILTERS.

No.	Type	Makers	Working Pressure	Test Pressure	Date of Test
One	H. P.	Henry Watson Ltd	180 lb/sq	450 lb/sq	22/4/29.

LIST OF DONKEY PUMPS.

Ballast.	Vert. duplex,	9" and 11" by 10"
G. S.	"	5" " 3 1/2" " 6"
Sanitary.	Horiz.	4 1/2" " 2 3/4" " 4"
F. W.	"	" " " " " "

all by Dawson & Downie, Ltd.



© 2020

Lloyd's Register
Foundation

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:—

see Report on
S.S. "Sarnia doc."

REFRIGERATORS.



© 2020

Lloyd's Register
Foundation

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.

COMPARTMENT.	Temp. at beginning of Trial.	Temp. at end of Trial.	Time required to obtain this Result.	Rise of Temp. after hours.
Location of	91	10	380	
Capacity				
Current Alternating or Continuous	Continuous			
Single or Double Wire System	Double			
Location of Dynamo	Steering engine platform			
Main Switch Board	"	"	"	
No. of Circuits to which Belcham was provided on Main Switch Board			4	
Description of these Circuits—				
Circuit	Number of Tubes	Length of Tube	Volume of Gas per Hour	Current Density
... ..	2.2	no report yet		

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

© 2020

Lloyd's Register
Foundation

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

See Report on S.S. "Sarmador."

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? *no joints.*

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? *Yes.*

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? *Yes.*

" " " an Ampere Meter *"*

Date of Trial of complete Installation *27/5/29* 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.

as ascertained by *me* from personal examination

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

Fees—

MAIN BOILERS.

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

DONKEY BOILERS.

H.S. Sq. ft.	:	:	:
G.S. "	:	:	:
	£	:	:

ENGINES.

L.P.O. Cub. ft.	:	:	:
	£	:	:
Testing, &c. ...	:	:	:
	£	:	:
Expenses ...	:	:	:
Total ...	£	:	:

It is submitted that this Report be approved,

J. L. King
Chief Surveyor.

Approved by the Committee for the Class of M.B.S.* on the 26th June 1929

Fees advised

Fees paid



© 2020

Lloyd's Register
Foundation
Secretary.

GENERAL INSTRUCTIONS

Form

MAIN BOARD

M.S.

G.P.

G.A.

"

DOCKET BOARD

M.S.

G.P.

G.A.

"

BOARD

L.P.C.

G.P.

Testing for ...

Examination ...

Total ...

It is submitted that this Report be approved.

G.M. Brown

Approved by the Committee for the Class of M.B.S. on the 12th June 1922

For advised

Signed

Harrington



© 2020

Lloyd's Register
Foundation



© 2020

Lloyd's Register
Foundation



© 2020

Lloyd's Register
Foundation

26/2/29

1/3/29

11 "

14 "

18 "

21 "

25 "

27 "

2/4/29

9 "

10 " G.M.S.

30 "

16/5/29

19 "

22 " G.M.S.

27 "



© 2020

Lloyd's Register
Foundation