

No. 1755 TRANSFERRED TO:
L. R. SYSTEM

THE BRITISH CORPORATION FOR THE SURVEY
AND
REGISTRY OF SHIPPING.

Report No. 1941 No. in Register Book 3268

TRANSFERRED TO:
L. R. SYSTEM

" S H I L A "
S.S.

Makers of Engines

Swanston & Co. Ltd.

Works No. 292

Makers of Main Boilers

Hawthorne Leslie & Co. Ltd.

Works No. 8981 B.

Makers of Donkey Boiler

Works No. ✓

MACHINERY.



© 2020

Lloyd's Register
Foundation

002109-002118-0153

No.

THE BRITISH CORPORATION FOR THE SURVEY
AND
REGISTRY OF SHIPPING.

Report No. *1941* No. in Register Book *3268*

Received at Head Office *20th May 1926*

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

Official No.

Port of Registry *Leith*

Registered Owners

South Georgia Coy.

Engines Built by

Smiths Dock Co. Ltd.

at

South Bank-on-Tees,

Main Boilers Built by

Hawthorn Leslie & Co. Ltd.

at

Newcastle-on-Tyne.

Donkey " "

at

Date of Completion

3-26

First Visit

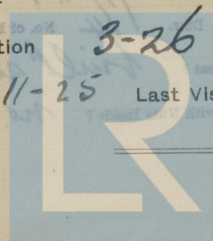
6-11-25

Last Visit

25-3-26

Total Visits

35



© 2020

Lloyd's Register
Foundation

RECIPROCATING ENGINES

Works No.

292

No. of Sets

1

Description

Triple expansion.
L.C. Berks.

No. of Cylinders each Engine

3

No. of Cranks

3

Diars. of Cylinders

12 1/4" - 20" - 34"

Stroke 24"

Cubic feet in each L.P. Cylinder

12.6

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

yes.

" " " each Receiver?

yes.

Type of H.P. Valves,

Piston
Slide.

" 1st I.P. "

" 2nd I.P. "

" L.P. "

" Valve Gear

Slide.
Stephenson links.
Surface.

" Condenser

Diameter of Piston Rods (plain part)

3 3/8"

Screw part (bottom of thread)

Cooling Surface 6 1/2 sq. ft.
2.384"

Material

Steel.

Diar. of Connecting Rods (smallest part)

3 3/8"

Material

Iron. I.P.

" Crosshead Gudgeons

3 5/8"

Length of Bearing

3 3/4"

Material

Steel.

No. of Crosshead Bolts (each)

4

Diar. over Thrd.

1 1/2"

Thrds. per inch

8

Material

Steel.

" Crank Pin "

2

" "

2"

" "

" "

" "

" Main Bearings

6

Lengths

7 3/8"

" Bolts in each

2

Diar. over Thread

1 7/8"

Threads per inch

7

Material

Steel.

" Holding Down Bolts, each Engine

51

Diar.

1 1/4"

No. of Metal Chocks

51

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

Built seat.

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

no.

If not, how are they fitted?

Connecting Rods, Forged by

Cuthbert Wallenda Forge.

Piston " "

Yip Yip Coy.

Crossheads,

Cuthbert Wallenda Forge.
Cuthbert Dock Co. Ltd.

Connecting Rods, Finished by

Piston " "

Crossheads,

Date of Harbour Trial

25-3-26

" Trial Trip

25-3-26

Trials run at

In North Sea.

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

yes.

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

614

Revs. per min. 134

Pressure in 1st I.P. Receiver, 68 lbs., 2nd I.P.,

lbs., L.P., 11 lbs., Vacuum, 25 ins.

Speed on Trial

11 1/2 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



© 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 Stern

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

Is Single or Double Reduction Gear employed?

Diar. of 1st Reduction Pinion

" 1st " Wheel

Width

Pitch of Teeth

Estimated Pressure per lineal inch

Diar. of 2nd Reduction Pinion

" 2nd " Wheel

Width

Pitch of Teeth

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

DESCRIPTION OF INSTALLATION.



© 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

Diar. of 1st Reduction Pinion

,, 1st ,, Wheel

Width

Pitch of Teeth

Estimated Pressure per lineal inch

Diar. 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

4

Angle of Cranks

120°

Diar. by Rule

6.6

Actual

6 7/8"

In Way of Webs

6 7/8"

" of Crank Pins

6 7/8"

Length between Webs

7 1/4"

Greatest Width of Crank Webs

13"

Thickness

4 1/4"

Least

" "

10"

"

4 1/4"

Diar. of Keys in Crank Webs

1 1/4"

Length

3 3/4"

" Dowels in Crank Pins

1"

Length

3 1/2"

Screwed or Plain

plain.

No. of Bolts each Coupling

4

Diar. at Mid Length

2"

Diar. of Pitch Circle

11 1/4"

Greatest Distance from Edge of Main Bearing to Crank Web

1/8"

Type of Thrust Blocks

Koneschae.

No.

" Rings

4

Diar. of Thrust Shafts at bottom of Collars

6 7/8"

No. of Collars

4

" " Forward Coupling

6 7/8"

At Aft Coupling

6 7/8"

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

6.94"

Actual

7 7/8"

At Couplings

6 7/8"

Are Propeller Shafts fitted with Continuous Brass Liners?

yes.

Diar. over Liners

8 7/16"

Length of After Bearings

3'-3 1/2"

Of what Material are the After Bearings composed?

Lignum Vitae.

Are Means provided for lubricating the After Bearings with Oil?

no.

" " to prevent Sea Water entering the Stern Tubes?

no.

If so, what Type is adopted?

SKETCH OF CRANK SHAFT.

Same as of's Shrua

© 2020

Lloyd's Register
Foundation

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.,

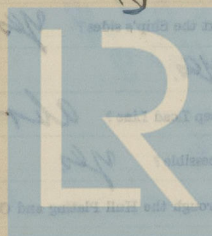
Propeller

STAMP MARKS ON SHAFTS.

Crank, Thrust, Propeller Shafts:—

B.C.
 No 10074
 30-12-25
 R.S.

SKETCH OF PROPELLER SHAFT.



© 2020

Lloyd's Register
 Foundation

PUMPS, ETC.

No. of Air Pumps 1 Diar. 12" Stroke 12"
 Worked by Main or Independent Engines? *main engines.*

No. of Circulating Pumps 6" Diar. 6" Stroke

Type of " *Centrifugal*

Diar. of " Suction from Sea

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

What other Pumps can circulate through Condenser? *H.P. pump.*

No. of Feed Pumps on Main Engine 2 Diar. 2 1/2" Stroke 12"

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

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

No. of Independent Feed Pumps 1 Diar. 4" Stroke 6"

What other Pumps can feed the Boilers?

No. of Bilge Pumps on Main Engine 2 Diar. 2 1/2" Stroke 12"

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? *Bilge Ejector.*

Are all Bilge Suctions fitted with Roses? *yes.*

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? *yes.*

Are they placed so as to be easily accessible? *yes.*

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

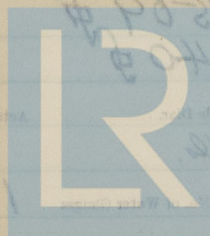
Are they fitted direct to the Hull Plating and easily accessible? *yes.*

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. 1
Boiler No. 2
Boiler No. 3
Boiler No. 4
Boiler No. 5
Boiler No. 6
Boiler No. 7
Boiler No. 8
Boiler No. 9
Boiler No. 10
Boiler No. 11
Boiler No. 12
Boiler No. 13
Boiler No. 14
Boiler No. 15
Boiler No. 16
Boiler No. 17
Boiler No. 18
Boiler No. 19
Boiler No. 20
Boiler No. 21
Boiler No. 22
Boiler No. 23
Boiler No. 24
Boiler No. 25
Boiler No. 26
Boiler No. 27
Boiler No. 28
Boiler No. 29
Boiler No. 30
Boiler No. 31
Boiler No. 32
Boiler No. 33
Boiler No. 34
Boiler No. 35
Boiler No. 36
Boiler No. 37
Boiler No. 38
Boiler No. 39
Boiler No. 40
Boiler No. 41
Boiler No. 42
Boiler No. 43
Boiler No. 44
Boiler No. 45
Boiler No. 46
Boiler No. 47
Boiler No. 48
Boiler No. 49
Boiler No. 50
Boiler No. 51
Boiler No. 52
Boiler No. 53
Boiler No. 54
Boiler No. 55
Boiler No. 56
Boiler No. 57
Boiler No. 58
Boiler No. 59
Boiler No. 60
Boiler No. 61
Boiler No. 62
Boiler No. 63
Boiler No. 64
Boiler No. 65
Boiler No. 66
Boiler No. 67
Boiler No. 68
Boiler No. 69
Boiler No. 70
Boiler No. 71
Boiler No. 72
Boiler No. 73
Boiler No. 74
Boiler No. 75
Boiler No. 76
Boiler No. 77
Boiler No. 78
Boiler No. 79
Boiler No. 80
Boiler No. 81
Boiler No. 82
Boiler No. 83
Boiler No. 84
Boiler No. 85
Boiler No. 86
Boiler No. 87
Boiler No. 88
Boiler No. 89
Boiler No. 90
Boiler No. 91
Boiler No. 92
Boiler No. 93
Boiler No. 94
Boiler No. 95
Boiler No. 96
Boiler No. 97
Boiler No. 98
Boiler No. 99
Boiler No. 100



© 2020

Lloyd's Register
Foundation

BOILERS.

Works No.

No. of Boilers

1

Type

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 Draught

Can Boilers be worked separately?

Makers of Plates

" Stay Bars

" Rivets

" Furnaces

Greatest Internal Diam. of Boilers

" " Length "

Square Feet of Heating Surface each Boiler

" " Grate "

No. of Safety Valves each Boiler

Are the Safety Valves fitted with Easing Gear?

No. of Pressure Gauges, each Boiler

" Test Cocks

8981 B.
Cylindrical multitubular
single.

2.

Mansion.

200 lbs.

350 "

12-1-26

25-3-26

206 lbs.

25-3-26

210 lbs.

Hawdens C.A.

yfs.
Stubby of ScotlandR. B. & J. C. Ltd.
John Thompson Ltd.

11'-9"

11'-0"

1509 sq

40 sq

2

Rule Diam.

Actual

2 3/4"

yfs.

2

No. of Water Gauges

1

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

Threads per Inch

Diagonal of Stays Approved

" " " in Boilers

Material "

Thickness of Front End 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 End Plates Approved

" " " " " in Boilers

Pitch of Stay Tubes in Back End Plates

" " " " " in Boilers

Thickness of Stay Tubes

" " " " " in Boilers

Diagonal of Stays Approved

" " " " " 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 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

Same as spec. Chua

VERTICAL DONKEY BOILERS

No. of Boilers
Type
Greatest Int. Diam.
Height of Boiler Crown above Fire Grate
The Boiler Crown Flat or Dished?
Internal Radius of Dished Boilers
Description of Stays in Boiler Crown
Diam. of Stays
Height of Firebox Crown above Fire Grate
Are Firebox Crown Flat or Dished?
External Radius of Dished Crown
No. of Crown Stays
Material
External Diam. of Firebox at Top
Bottom
Thickness
No. of Water Tubes
Material of Water Tubes
Diam. of Manhole in Shell
Dimensions of Communication Pipe
If water outlet over boiler
Grate surface

SUPERHEATERS



© 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.

No. of Pipes

Material

Pressure, Weight or Seams

Internal Diar.

Thickness

How are Flanges secured?

Date of Hydraulic Test

Test Pressure

No. of Pipes

Material

Pressure, Weight or Seams

Internal Diar.

Thickness

How are Flanges secured?

Date of Hydraulic Test

Test Pressure

No. of Pipes

Material

Pressure, Weight or Seams

Internal Diar.

Thickness

How are Flanges secured?

Date of Hydraulic Test

Test Pressure



© 2020

Lloyd's Register
Foundation

Material

Brazed, Welded or Seamless

Internal Diar.

Thickness

How are Flanges secured ?

Date of Hydraulic Test

Test Pressure

No. of Lengths

Material

Brazed, Welded or Seamless

Internal Diar.

Thickness

How are Flanges secured ?

Date of Hydraulic Test

Test Pressure

No. of Lengths

Material

Brazed, Welded or Seamless

Internal Diar.

Thickness

How are Flanges secured ?

Date of Hydraulic Test

Test Pressure

© 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	

FEED WATER FILTERS.

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

LIST OF DONKEY PUMPS

One 6" x 4 1/4" x 6" Duplex General Service Donkey by Thos. Lamont.

One 4 1/2" x 6" x 6" single cylind. whale air pump. Westinghouse make.



© 2020

Lloyd's Register
Foundation

SPARE GEAR.

No. of Top End Bolts.	2	No. of Bot. End Bolts.	2	No. of Cylinder Cover Studs	
" Coupling Bolts	4	" Main Bearing Bolts	2	" Valve Chest "	
" Junk Ring Bolts	6	" Feed Pump Valves	4	" Bilge Pump Valves	4
" H.P. Piston Rings		" I.P. Piston Rings		" L.P. Piston Rings	
" " Springs		" " Springs		" " Springs	1
" Safety Valve "	2	" Fire Bars	1 set of 1/4 in.	" Feed Check Valves	2
" Piston Rods		" Connecting Rods		" Valve Spindles	
" Air Pump Rods		" Air Pump Buckets		" Air Pump Valves	5
" Cir. "		" Cir. "		" Cir. "	
" Crank Shafts		" Crank Pin Bushes		" Crosshead Bushes	
" Propeller Shafts	1	" Propellers	1	" Propeller Blades	
" Boiler Tubes	6	" Condenser Tubes	15	" Condenser Ferrules	30

OTHER ARTICLES OF SPARE GEAR:—

20 WATER FILTERS

REFRIGERATORS



© 2020

Lloyd's Register
Foundation

REFRIGERATORS.

No. of Machines 4 Capacity of each 4
 Makers 4
 Description 6
 No. of Steam Cylinders, each Machine 2 No. of Compressors 1 No. of Cranks 1
 Particulars of Pumps in connection with Refrigerating Plant and whether worked by Refrigerating Machines or Independently
 Air Pump Working 5
 Air Pump Valves 5
 Crank Pin Bearings 1
 Crank Pin Shafts 1
 Propeller Shafts 1
 Propellers 1
 Confusion Types 15
 Confusion Parts 30

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.
Machine of Refrigeration				
Capacity	50			
Current consuming in Operation				
Single or Double Water System				
Position of Diagram				
Main Refining Board				
No. of Circuits to which Refining is applied on Main Refining Board				
Particulars of these Circuits				
Current				

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



© 2020

Lloyd's Register
Foundation

Installation Fitted by

No. and Description of Dynamos

Makers of Dynamos

Capacity " 570 Amperes, at 110 Volts, 340 Revols. per Min.

Current Alternating or Continuous

Single or Double Wire System

Position of Dynamos

11 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.
----------	-------------------------	------------------	-------------------------------	--------------------------	---------------------	----------------------------------	---------------------------------------

Total No. of Lights

No. of Motors driving Fans, &c.

No. of Heaters

Current required for Motors and Heaters

~~Came as c/p China~~

© 2020

Lloyd's Register	
ns, &c.	No. of Heaters
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

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

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?

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 25-3-16 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. D. Cliphenson

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

Fees—

MAIN BOILERS.

		£	s.	d.
H.S.	1509	Sq. ft.	:	:
G.S.	40	"	:	:

DONKEY BOILERS.

H.S.	Sq. ft.	:	:
G.S.	"	:	:
	£	:	:

ENGINES.

L.P.C.	12.4	Cub. ft.	:	:
				</

Testing, &c. ...	:	:
£	:	:

Expenses ...	:	:
Total ...	£	:

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 2nd June 1926

Fees advised

Fees paid



© 2020

Lloyd's Register
Foundation
Secretary.

GENERAL CONSTRUCTION

There are many different types of construction, and the following are the most common:

Approved Plans: *1000* *1000* *1000*

It is important to note that the following are not exhaustive, and there may be other types of construction.

Approved Plans: *1000* *1000* *1000*

Approved Plans: *1000* *1000* *1000*

Approved Plans: *1000* *1000* *1000*

Approved Plans: *1000* *1000* *1000*

Approved Plans: *1000* *1000* *1000*

Approved Plans: *1000* *1000* *1000*

It is submitted that this Report be approved.

and have now to show as far as possible the results of the work.

Approved by the Committee for the Class of M.B.S. on the 1st of January 1900.

"SHILA"

Now signed

Now signed

James H. Wilson



© 2020

Lloyd's Register
Foundation



© 2020

Lloyd's Register
Foundation



© 2020

Lloyd's Register
Foundation