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L. R. SYSTEM

No. 1762

THE BRITISH CORPORATION FOR THE SURVEY  
AND

REGISTRY OF SHIPPING.

RETAIN

Report No. 1972 No. in Register Book 3303.

S.S. "MOYALLON"

Makers of Engines THE AILSA SHIPBUILDING CO. LTD. TROON

Works No. 134

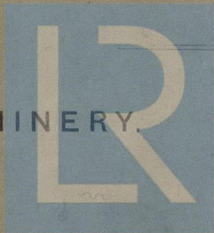
Makers of Main Boilers THE FORTH S. & E. CO. LTD.

Works No. 1870

Makers of Donkey Boiler NONE

Works No. ✓

MACHINERY.



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No.

THE BRITISH CORPORATION FOR THE SURVEY

AND

REGISTRY OF SHIPPING.

Report No. 1972 No. in Register Book 3303

Received at Head Office

18<sup>th</sup> December 1926.

Surveyor's Report on the New Engines, Boilers, and Auxiliary  
Machinery of the ~~Single Triple~~ ~~Twin Quadruple~~ Screw STEAMSHIP

— "MOYALLON" —

Official No.

Port of Registry

BELFAST

Registered Owners

R. & D.A. DUNCAN LTD.

Engines Built by THE AILSA SHIPBUILDING CO. LTD.

TROON

at

TROON

Main Boilers Built by THE FORTH S. & E. CO. LTD.

at

GOVAN, GLASGOW.

Donkey ..

NONE

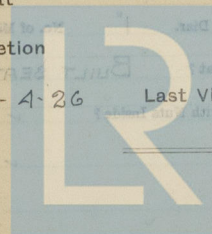
at

Date of Completion

First Visit 2-4-26

Last Visit 7-8-26

Total Visits 20



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## RECIPROCATING ENGINES.

Works No. 134 No. of Sets ONE Description

TRIPLE EXPANSION. SURFACE CONDENSING. DIRECT ACTING.

No. of Cylinders each Engine 3 No. of Cranks 3  
 Diars. of Cylinders  $9\frac{1}{2}"$ ,  $15\frac{1}{2}"$ ,  $26"$  Stroke 18"  
 Cubic feet in each L.P. Cylinder 553  
 Are Spring-loaded Relief Valves fitted to Top and Bottom of each Cylr? YES  
 " " " each Receiver? TO TOP OF I.P. & L.P. ONLY  
 Type of H.P. Valves, PISTON  
 " 1st I.P. " COMMON SLIDE  
 " 2nd I.P. " -  
 " L.P. " DO.  
 " Valve Gear STEPHENSON'S LINK MOTION  
 " Condenser IRON, CAST WITH I.P. COLUMN. Cooling Surface 320 sq. ft.  
 Diameter of Piston Rods (plain part)  $2\frac{3}{4}"$  Screwed part (bottom of thread) 2"  
 Material " INGOT STEEL  
 Diar. of Connecting Rods (smallest part)  $2\frac{3}{4}"$  Material INGOT STEEL  
 " Crosshead Gudgeons  $2\frac{3}{4}"$  Length of Bearing  $2\frac{3}{4}"$  Material DO.  
 No. of Crosshead Bolts (each) 4 Diar. over Thrd.  $1\frac{1}{4}"$  Thrds. per inch Material STEEL  
 " Crank Pin " " 2 "  $1\frac{1}{2}"$  " " DO.  
 " Main Bearings 6 Lengths  $5\frac{1}{2}"$   
 " Bolts in each 2 Diar. over Thread  $1\frac{1}{2}"$  Threads per inch Material STEEL  
 " Holding Down Bolts, each Engine 38 Diar. 1" No. of Metal Chocks 38  
 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? ✓  
 If not, how are they fitted? ✓

M.W. ROBERTSON & C. L<sup>TD</sup>. AVON STEEL WORKS<sup>3</sup>  
 GLENPARK ST. DENNISTOUN. GLASGOW.

Connecting Rods, Forged by

Piston " " DO.

Crossheads, " " DO.

Connecting Rods, Finished by

THE AILSA SHIPBUILDING CO. L<sup>TD</sup>

Piston " " DO.

Crossheads, " " DO.

Date of Harbour Trial

" Trial Trip NONE.

Trials run at

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

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

Revs. per min.

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

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.

300

Revs. per min.

170

Estimated Speed

8½ KNOTS.



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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

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

Estimated Pressure per lineal inch

Diarr. 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.
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Makers of Turbines

" Generators

" Motors

" Reduction Gear

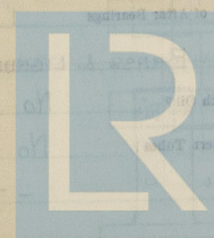
Turbine Spindles forged by

" Wheels forged or cast by

Reduction Gear Shafts forged by

" Wheels forged or cast by

## DESCRIPTION OF INSTALLATION.



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# SHAFTING.

Are the Crank Shafts Built or Solid?

BUILT

No. of Lengths in each

ONE

Angle of Cranks

120°

Diar. by Rule

4.987"

Actual

5 1/8"

In Way of Webs

5 1/4"

" of Crank Pins

5 1/8"

Length between Webs

5 3/8"

Greatest Width of Crank Webs

9 3/4"

Thickness

3 1/4"

Least " "

9 3/4"

" "

3 1/4"

Diar. of Keys in Crank Webs

1"

Length

2"

" Dowels in Crank Pins

NONE

Length

-

Screwed or Plain

W-

No. of Bolts each Coupling

4

Diar. at Mid Length

1 3/8"

Diar. of Pitch Circle

9"

Greatest Distance from Edge of Main Bearing to Crank Web

CLEARANCE

Type of Thrust Blocks

HORSESHOE

No. " Rings

3

Diar. of Thrust Shafts at bottom of Collars

5 1/8"

No. of Collars

3

" " Forward Coupling

5 1/8"

At Aft Coupling

5 1/8"

Diar. of Intermediate Shafting by Rule

NONE

Actual

-

No. of Lengths

-

No. of Bolts, each Coupling

Diar. at Mid Length

Diar. of Pitch Circle

-

Diar. of Propeller Shafts by Rule

5.3

Actual

5 3/4"

At Couplings

5 7/8"

Are Propeller Shafts fitted with Continuous Brass Liners?

YES

Diar. over Liners

6 3/4" & 6 7/8"

Length of After Bearings

1' 11"

Of what Material are the After Bearings composed?

BRASS & LIGNUMVITAE

Are Means provided for lubricating the After Bearings with Oil?

No

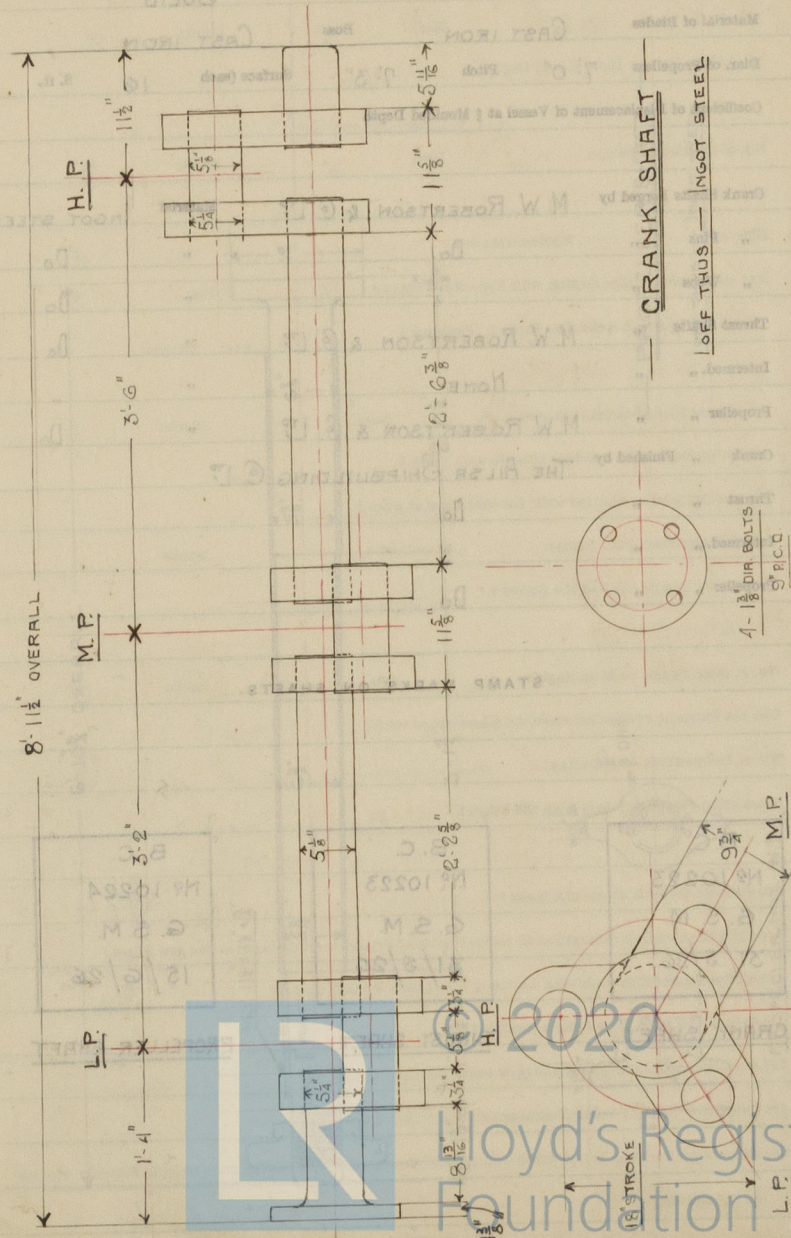
" " to prevent Sea Water entering the Stern Tubes?

No

If so, what Type is adopted?

-

## SKETCH OF CRANK SHAFT.



LOOKING FOR?



No. of Blades each Propeller 4 Fitted or Solid? SOLID

Material of Blades CAST IRON Boss CAST IRON

Diar. of Propellers 7' 0" Pitch 7' 3" Surface (each) 16 S. ft.

Coefficient of Displacement of Vessel at  $\frac{2}{3}$  Moulded Depth

Crank Shafts Forged by	M. W. ROBERTSON & CO. LTD.	Material	INGOT STEEL
" Pins "	Do.	"	Do
" Webs "		"	Do
Thrust Shafts "	M. W. ROBERTSON & CO. LTD.	"	Do
Intermed. " "	NONE	"	
Propeller " "	M. W. ROBERTSON & CO. LTD.	"	Do
Crank " Finished by	THE AILSA SHIPBUILDING CO. LTD.		
Thrust " "	Do.		
Intermed. " "			
Propeller " "	Do.		

STAMP MARKS ON SHAFTS.

B. C.  
Nº 10223  
G. S. M.  
31/5/26

CRANK SHAFT

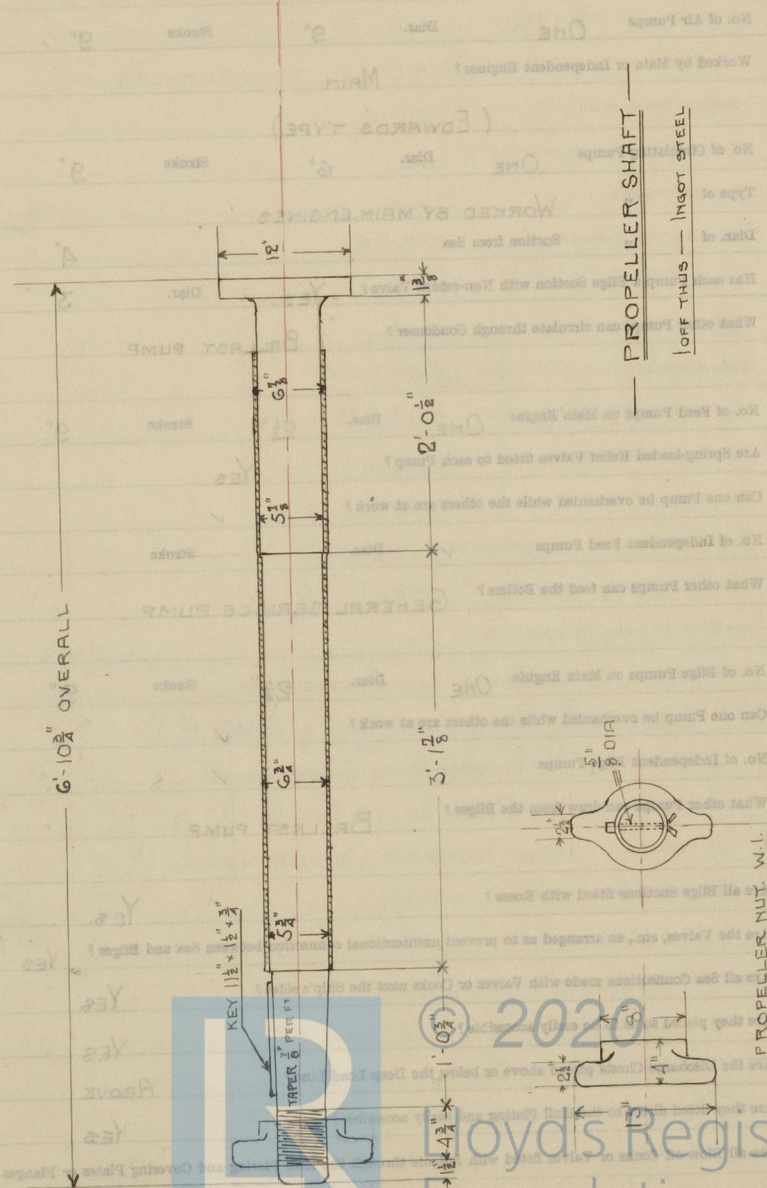
B. C.  
Nº 10223  
G. S. M.  
31/5/26

THRUST SHAFT

B. C.  
Nº 10224  
G. S. M.  
15/6/26

PROPELLER SHAFT

## SKETCH OF PROPELLER SHAFT.



PROPELLER NUT. W.L.



## PUMPS, ETC.

No. of Air Pumps **ONE**      Diar. **9"**      Stroke **9"**

Worked by Main or Independent Engines? **MAIN**

(EDWARDS TYPE)

No. of Circulating Pumps **ONE**      Diar. **6"**      Stroke **9"**

Type of " **WORKED BY MAIN ENGINES**

Diar. of " **Suction from Sea**      **4"**

Has each Pump a Bilge Suction with Non-return Valve? **YES**      Diar. **3"**

What other Pumps can circulate through Condenser? **BALLAST PUMP**

No. of Feed Pumps on Main Engine **ONE**      Diar. **2 1/4"**      Stroke **9"**

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? **GENERAL SERVICE PUMP**

No. of Bilge Pumps on Main Engine **ONE**      Diar. **2 1/4"**      Stroke **9"**

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

No. of Independent Bilge Pumps **✓**

What other Pumps can draw from the Bilges? **BALLAST PUMP**

Are all Bilge Suctions fitted with Roses? **YES**

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

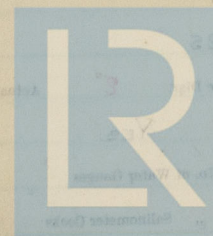
Are all Sea Connections made with Valves or Cocks next the Ship's sides? **YES**

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**



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## BOILERS.

Works No. 1870

No. of Boilers ONE Type CYLINDRICAL, MULTITUBULAR.

Single or Double-ended SINGLE

No. of Furnaces in each TWO

Type of Furnaces PLAIN

Date when Plan approved 18-3-26

Approved Working Pressure 180 LBS.

Hydraulic Test Pressure 320 LBS.

Date of Hydraulic Test 16-6-26

" when Safety Valves set 7-8-26

Pressure at which Valves were set 185 LBS.

Date of Accumulation Test 7-8-26

Maximum Pressure under Accumulation Test 187 LBS.

System of Draught NATURAL

Can Boilers be worked separately?

Makers of Plates W<sup>M</sup> BEARDMORE & C. L<sup>TS</sup>. (GLASGOW) & D. COLVILLE & SONS, L<sup>TS</sup>. (MOTHERWELL)

Furnace do. THE PARK GATE IRON & STEEL C. L<sup>TS</sup>

Stay Bars D. COLVILLE & SONS, L<sup>TS</sup>

Rivets THE STEEL C. OF SCOTLAND, L<sup>TS</sup>

Furnaces THE RIVET, BOLT & NUT C. L<sup>TS</sup>

Greatest Internal Diam. of Boilers 10' 6"

Length 10' 0"

Square Feet of Heating Surface each Boiler 940

Grate 3325

No. of Safety Valves each Boiler ONE Rule Diam. 2" Actual 2"

Are the Safety Valves fitted with Easing Gear? YES.

No. of Pressure Gauges, each Boiler ONE No. of Water Gauges ONE

Test Cocks 3 Salinometer Cocks ONE

## STAMP MARKS ON BOILER

B.C. TEST  
 N° 4943  
 T.P. 320 LBS  
 W.P. 180 LBS.  
 G. S. M.  
 16/6/26



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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

Diar. of Rivet Holes  $\frac{15}{16}$  Pitch

No. of Rows of Rivets in Centre Circumferential Seams

Are these Seams Hand or Machine Riveted?

Diar. of Rivet Holes Pitch

No. of Rows of Rivets in Front End Circumferential Seams

Are these Seams Hand or Machine riveted?

Diar. of Rivet Holes  $\frac{15}{16}$  Pitch

No. of Rows of Rivets in Back End Circumferential Seams

Are these Seams Hand or Machine Riveted?

Diar. of Rivet Holes  $\frac{15}{16}$  Pitch

Size of Manholes in Shell

Dimensions of Compensating Rings

PILLARS

PIPES

COCKS

VALVES

ONE

TWO

$\frac{7}{8}$ "

$\frac{7}{8}$ "

STEEL

BUTT

DOUBLE

YES

$\frac{11}{16}$ "

$\frac{13}{16}$ "

MACHINE

TREBLE

5

$6\frac{7}{8}$ "

✓

✓

✓

2

HAND

$3\frac{1}{4}$ "

2

MACHINE

$3\frac{1}{4}$ "

$16" \times 12"$

$2'3" \times 2'7" \times \frac{7}{8}"$



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Thickness of End Plates in Steam Space Approved

$\frac{27}{32}$ "

" " " " " in Boilers

$\frac{27}{32}$ "

Pitch of Steam Space Stays

13" x 15"

Diar. " " " " Approved  $2\frac{3}{8}$ " Threads per Inch

6

" " " " " in Boilers  $2\frac{3}{8}$ "

6

Material of " " "

STEEL

How are Stays Secured?

DOUBLE NUTS

Diar. and Thickness of Loose Washers on End Plates

$8\frac{1}{2}$ " x  $\frac{3}{4}$ "

" " Riveted " " "

✓

Width " " Doubling Strips "

$\frac{7}{8}$ "

Thickness of Middle Back End Plates Approved

$\frac{27}{32}$ "

" " " " " in Boilers

$\frac{27}{32}$ "

Thickness of Doublings in Wide Spaces between Fireboxes

✓

Pitch of Stays at " " " "

8" x 10"

Diar. of Stays Approved  $1\frac{5}{8}$ " Threads per Inch

9

" " in Boilers  $1\frac{5}{8}$ "

9

Material "

STEEL

Are Stays fitted with Nuts outside?

YES

Thickness of Back End Plates at Bottom Approved

$\frac{27}{32}$ "

" " " " " in Boilers

$\frac{27}{32}$ "

Pitch of Stays at Wide Spaces between Fireboxes

8" x 10"

Thickness of Doublings in " "

✓

Thickness of Front End Plates at Bottom Approved

$\frac{27}{32}$ "

" " " " " in Boilers

$\frac{27}{32}$ "

No. of Longitudinal Stays in Spaces between Furnaces

ONE



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Diar. of Stays Approved  $2\frac{3}{8}$ " Threads per Inch

" " in Boilers  $2\frac{3}{8}$ "

Material " STEEL

Thickness of Front Tube Plates Approved  $\frac{27}{32}$ "

" " " in Boilers  $\frac{27}{32}$ "

Pitch of Stay Tubes at Spaces between Stacks of Tubes  $4\frac{3}{8}$ " &  $8\frac{3}{4}$ "

Thickness of Doublings in " " "

" Stay Tubes at " " "

Are Stay Tubes fitted with Nuts at Front End ?

4 WITH NUTS, 38 WITHOUT

Thickness of Back Tube Plates Approved  $\frac{25}{32}$ "

" " " in Boilers  $\frac{25}{32}$ "

Pitch of Stay Tubes in Back Tube Plates

VARIOUS

" Plain "

$4\frac{3}{8}$ "

Thickness of Stay Tubes

$\frac{5}{16}$ " &  $\frac{3}{8}$ "

" Plain "

9 W.G.

External Diar. of Tubes

$3\frac{1}{2}$ "

Material " LAPWELDED IRON

Thickness of Furnace Plates Approved  $\frac{23}{32}$ "

" " " in Boilers  $\frac{23}{32}$ "

Smallest outside Diar. of Furnaces

$3\frac{1}{2}$ " &  $3\frac{7}{16}$ "

Length between Tube Plates

6'-6"

Width of Combustion Chambers (Front to Back)

$2\frac{7}{16}$ "

Thickness of " " Tops Approved  $\frac{21}{32}$ "

" " " in Boilers  $\frac{21}{32}$ "

Pitch of Screwed Stays in O.C. Tops

$7\frac{1}{2}$ " x 10"



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Diar. of Screwed Stays Approved  $1\frac{5}{8}$ " Threads per Inch 9  
 " " " in Boilers  $1\frac{5}{8}$ " 9  
 Material " " STEEL

Thickness of Combustion Chamber Sides Approved  $\frac{21}{32}$ "  
 " " " " in Boilers  $\frac{21}{32}$ "

Pitch of Screwed Stays in C.O. Sides  $8" \times 10"$

Diar. " " Approved  $1\frac{5}{8}$ " Threads per Inch 9

" " " in Boilers  
 Material " " STEEL

Thickness of Combustion Chamber Backs Approved  $\frac{21}{32}$ "

" " " " in Boilers  $\frac{21}{32}$ "

Pitch of Screwed Stays in C.O. Backs  $8\frac{1}{2} \times 8\frac{3}{4}"$

Diar. " " Approved  $1\frac{3}{4}$ " &  $1\frac{5}{8}"$  Threads per Inch 9

" " " in Boilers  $1\frac{3}{4}"$  &  $1\frac{5}{8}"$  9

Material " " STEEL

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

YES

Thickness of Combustion Chamber Bottoms

$\frac{21}{32}$ "

No. of Girders over each Wing Chamber

5

" " " Centre "

✓

Depth and Thickness of Girders

$7\frac{1}{2}" \times \frac{3}{2}"$

Material of Girders

STEEL

No. of Stays in each

2

No. of Tubes, each Boiler

82 FLAIN, 50 STAY,

132 TOTAL

Size of Lower Manholes

$16" \times 12"$

# VERTICAL DONKEY BOILERS

No. of Boilers  
 Type  
 Height in Feet  
 Height of Boiler Crown above Fire Grate  
 Are Boiler Crowns Flat or Dished?  
 Internal Radius of Dished Ends  
 Thickness of Plates  
 Description of Stays in Boiler Crowns  
 Pitch of Stays  
 Height of Firebox Crown above Fire Grate  
 Are Firebox Crowns Flat or Dished?  
 External Radius of Dished Crowns  
 Thickness of Plates  
 No. of Crown Stays  
 Material  
 Internal Dia. of Firebox at Top  
 Bottom  
 Thickness of Plates  
 No. of Water Tubes  
 Material of Water Tubes  
 Dia. of Manhole in Shell  
 Thickness of Combustion Head  
 Height of Combustion Head  
 (State whether)

## SUPERHEATERS

Description of Superheaters  
 (State whether)  
 Which boilers are connected to Superheaters?  
 Are superheaters fitted with safety valves?  
 No. of Safety Valves on each superheater



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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		
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



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## MAIN STEAM PIPES.

No. of Lengths	ONE		
Material	COPPER		
Brazed, Welded or Seamless	SEAMLESS		
Internal Diam.	3"		
Thickness	8 W.G. ( $\frac{5}{32}$ " F)		
How are Flanges secured?	BRAZED		
Date of Hydraulic Test	2-8-26		
Test Pressure	360 LBS.		
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			



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## EVAPORATORS.

No.	Type	Tons per Day
	NONE.	
Makers		
Working Pressure	Test Pressure	Date of Test
Date of Test of Safety Valves under Steam		

## FEED WATER HEATERS.

No.	Type	Size
	NONE	
Makers		
Working Pressure	Test Pressure	Date of Test

## FEED WATER FILTERS.

No.	Type	Size
	NONE	
Makers		
Working Pressure	Test Pressure	Date of Test

## LIST OF DONKEY PUMPS.

BALLAST PUMP 1. D.A. THOM, LAMONT & CO. L<sup>td</sup>. N<sup>o</sup> 13502. 5" x 5" x 6"  
 SUCTIONS:- SEA. BILGES. SEPARATE BILGE. PEAK TANKS.  
 DISCHARGES:- OVERBOARD. CONDENSER. PEAK TANKS.

GEN<sup>l</sup> SERVICE PUMP 1. D.A. THOM, LAMONT & CO. L<sup>td</sup>. N<sup>o</sup> 12749. 4½" x 3" x 6"  
 SUCTIONS:- SEA. HOTWELL. PEAK TANKS. BOILER.  
 DISCHARGES:- DECK. BOILER. OVERBOARD.

PUMPING ARRANGEMENTS EXAMINED AND TRIALS SATISFACTORILY  
 CARRIED OUT, SAT. 7<sup>th</sup> AUG. 1926.



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No. of Top End Bolts.	2	No. of Bot. End Bolts.	2	No. of Cylinder Cover Studs
" Coupling Bolts	1 SET	" Main Bearing Bolts	2	" Valve Chest
" Junk Ring Bolts		" Feed Pump Valves	1 SET	" Bilge Pump Valves
" H.P. Piston Rings		" I.P. Piston Rings		" L.P. Piston Rings
" " Springs		" " Springs		" " Springs
" Safety Valve	"	" Fire Bars	2 TOTAL NO SUPPLIED	" 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	1	" Propeller Blades
" Boiler Tubes	6	" Condenser Tubes	4	" Condenser Ferrules

OTHER ARTICLES OF SPARE GEAR:—

BAR AND PLATE IRON IN VARIOUS SIZES

ASSORTED BOLTS & NUTS

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REFRIGERATORS.

No. of Machines

Capacity of each

Makers

NONE

### 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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Are Out-outs fitted as follows?—

On Main Switch Board, to Cables of Main Circuits

On Aux.	"	"	each Auxiliary Circuit
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

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

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?

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## GENERAL CONSTRUCTION

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

Approved Plans? *Is the construction of the machinery and boilers in accordance with the approved plans?*

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

*Is the construction of the machinery and boilers in accordance with the approved plans?*

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

*Has the installation been made over the whole system been tested?*

*What does the installation consist of?*

*Is the installation supplied with a full set of drawings?*

*Are the drawings complete?*

*Has the installation been made in accordance with the approved plans?*

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

*Are the materials used in the construction of the machinery and boilers, so far as could be seen, sound and*

*trustworthy?*

*Is the workmanship throughout thoroughly satisfactory?*

*Are the materials used in the construction of the machinery and boilers, so far as could be seen, sound and*

*trustworthy?*

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

Is the Workmanship throughout thoroughly satisfactory?

Are the materials used in the construction of the machinery and boilers, so far as could be seen, sound and

trustworthy?

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

as ascertained by me from personal examination

What special provision is provided for the following cases?

(1) Construction of the hull or keel

(2) ... ..

(3) ... ..

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

"MOYALLON"

Geo. S. Macfarlane

## Fees—

MAIN BOILERS. £ s. d.

H.S. Sq. ft. : :

G.S. " : :

DONKEY BOILERS.

H.S. Sq. ft. : :

G.S. " : :

£ : :

ENGINES.

L.P.C. Cub. ft. : :

£ : :

Testing, &c. ... .. : :

£ : :

Expenses ... .. : :

Total ... £ : :

It is submitted that this Report be approved,

Chief Surveyor.

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

Fees advised

Fees paid



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Secretary.



# NOTIFICATION OF CONSTRUCTION

The following information is to be submitted to the Local Authority in accordance with the provisions of the Building Regulations 1985.

1. Name of the person or persons who are to be responsible for the construction of the building: *Mr. J. J. Jones*

2. Name of the person or persons who are to be responsible for the design of the building: *Mr. J. J. Jones*

3. Name of the person or persons who are to be responsible for the construction of the building: *Mr. J. J. Jones*

4. Name of the person or persons who are to be responsible for the design of the building: *Mr. J. J. Jones*

5. Name of the person or persons who are to be responsible for the construction of the building: *Mr. J. J. Jones*

6. Name of the person or persons who are to be responsible for the design of the building: *Mr. J. J. Jones*

7. Name of the person or persons who are to be responsible for the construction of the building: *Mr. J. J. Jones*

8. Name of the person or persons who are to be responsible for the design of the building: *Mr. J. J. Jones*

9. Name of the person or persons who are to be responsible for the construction of the building: *Mr. J. J. Jones*

10. Name of the person or persons who are to be responsible for the design of the building: *Mr. J. J. Jones*

11. Name of the person or persons who are to be responsible for the construction of the building: *Mr. J. J. Jones*

12. Name of the person or persons who are to be responsible for the design of the building: *Mr. J. J. Jones*

13. Name of the person or persons who are to be responsible for the construction of the building: *Mr. J. J. Jones*

14. Name of the person or persons who are to be responsible for the design of the building: *Mr. J. J. Jones*

It is submitted that this Report be approved.

The Local Authority has received the Report and has approved it.

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