

No 2093

THE BRITISH CORPORATION FOR THE SURVEY  
AND  
REGISTRY OF SHIPPING.

Report No. 2044 No. in Register Book

3385

S.S.

BRAMPTON  
"Wellandoe"

E.L. King doc  
see King doc

Makers of Engines

MacColl & Pollock Ltd.

Works No.

355.

Makers of Main Boilers

MacColl & Pollock Ltd.

Works No.

355.

Makers of Donkey Boiler

✓

Works No.

✓

MACHINERY.



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002559-002567-0091



No.

THE BRITISH CORPORATION FOR THE SURVEY  
AND  
REGISTRY OF SHIPPING.

Report No. .... No. in Register Book .....

Received at Head Office *21<sup>st</sup> August 1928*

Surveyor's Report on the New Engines, Boilers, and Auxiliary  
Machinery of the *Single Triple* Screw *WELLANDOC*

Official No. *149435* Port of Registry *Newcastle*

Registered Owners *Pateron Steamships Ltd*

Engines Built by *MacColl & Pollock Ltd*

at *Sunderland.*

Main Boilers Built by *MacColl & Pollock Ltd*

at *Sunderland.*

Donkey " "

at

Date of Completion *22.6.27*

First Visit *3.12.26.*

Last Visit *22.6.27*

Total Visits *48*

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Same as 353. / 4

## RECIPROCATING ENGINES.

Works No. 345 No. of Sets One Description *Reciprocating Engines*  
*Triple expansion.*

No. of Cylinders each Engine *Three* No. of Cranks *Three*  
 Diars. of Cylinders *15", 25" & 40"* Strokes *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, *Piston Valve*" 1st I.P. " *D. Slide Valve*" 2nd I.P. " *✓*" L.P. " *D. Slide Valve*" Valve Gear *Stephenson Link*" Condenser *Surface 4 flow*Cooling Surface *403* sq. ft.Diameter of Piston Rods (plain part) *4.* Screwed part (bottom of thread) *2.03*Material " *Roller Steel bar.*Diar. of Connecting Rods (smallest part) *3 7/8"*" Crosshead Gudgeons *4 1/8"* Length of Bearing *2 @ 3 7/8"* Material *Forged Iron.*No. of Crosshead Bolts (each) *4* Diar. over Thrd. *1 3/4"* Thds. per inch *6* Material *Steel*" Crank Pin " " *2* " *2 1/4"* " *6* " "" Main Bearings *6* Lengths *1 7/8"*" Bolts in each *2* Diar. over Thread *2 1/8"* Threads per inch *6* Material *Steel*" Holding Down Bolts, each Engine *50* Diar. *3 1/2 - 1 3/8"* No. of Metal Chocks *50.*

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. Stockholm*Piston " " *Raine & Co.*Crossheads, " " *Brown Bros.*Connecting Rods, Finished by *MacCall + Porlock.*Piston " " *✓*Crossheads, " " *✓*Date of Harbour Trial *10.6.24.*" Trial Trip *22nd June 1924.*Trials run at *off R. Dyne.*Were the Engines tested to full power under Sea-going conditions? *Rough weather.*If so, what was the L.H.P.? *914*Revs. per min. *101 1/2*

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

lbs., L.P.,

lbs., Vacuum, ins.

Speed on Trial *4.86 (approx)*

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

data:—

Builders' estimated L.H.P.

Revs. per min.

Estimated Speed



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## TURBINE ENGINES.

Works No. \_\_\_\_\_ Type of Turbines \_\_\_\_\_

No. of H.P. Turbines \_\_\_\_\_ No. of I.P. \_\_\_\_\_ No. of L.P. \_\_\_\_\_ No. of Stern \_\_\_\_\_

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

Is Single or Double Reduction Gear employed? \_\_\_\_\_

Diam. of 1st Reduction Pinion \_\_\_\_\_

" 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 \_\_\_\_\_ S.H.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.



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### Description of Generators

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

Revol. per min. of Generators at Full Power

" Motors "

21                      22 1st Reduction Shaft

" " 2nd "

" " Propellers at Full Power

Total Shaft Horse Power

Date of Harbour Trial

## 12 Trial Trip

Trials run at

### Speed on Trial

Knots. Propeller Revolts. 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

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No. of Blades each Propeller *Low* Fitted or Solid? *Fitted*  
 Material of Blades *C.I. + Steel mixture* Boss *Cast iron*  
 Diam. of Propellers *12'-0"* Pitch *9'-4 1/4"* Surface (each) *46* S. ft.  
 Coefficient of Displacement of Vessel at  $\frac{1}{2}$  Moulded Depth

Crank Shafts Forged by *Guthehoffnungshutte* Material *I.S.*  
 „ Pins „ *✓* „ *✓*  
 „ Webs „ *✓* „ *✓*  
 Thrust Shafts „ *✓* „ *✓*  
 Intermed. „ „ *None* „ *—*  
 Propeller „ „ *Burmeister + Wainne* „ *IS*  
 Crank „ Finished by *Guthehoffnungshutte.*  
 Thrust „ „ *do*  
 Intermed. „ „ *None*  
 Propeller „ „ *MacLeod & Pollock.*

## STAMP MARKS ON SHAFTS.

{ Crank shafts made completely in Germany  
 Thrust a - do -  
 162594. 59. BC 1. G. J. L. 24  
 167023. 81. BC. 1 G. J. L. 24.

Crank Thrust & propeller shafts  
 marked BC. 10453 J.L. 27.4.27.

## SKETCH OF PROPELLER SHAFT.

*Same as 353/4.*  
*"Lachui doc"*  
*"Hamildoc"*



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## BOILERS.

Works No. **355**

No. of Boilers **Two** Type **Cylindrical Multitubular**

Single or Double-ended **Single**

No. of Furnaces in each **Two**

Type of Furnaces **Dighton Section**

Date when Plan approved **11.12.76.**

Approved Working Pressure **180 lbs.**

Hydraulic Test Pressure **320 .**

Date of Hydraulic Test **6.5.27.**

„ when Safety Valves set **10.6.27.**

Pressure at which Valves were set **185 lbs.**

Date of Accumulation Test **none**

Maximum Pressure under Accumulation Test **-**

System of Draught **Howdon Forced draught.**

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

Makers of Plates **Steel Coy of Scotland.**

„ Stay Bars **do**

„ Rivets **Rivet Bolt and Coy.**

„ Furnaces **Dighton.**

Greatest Internal Diam. of Boilers **10' 1  $\frac{3}{16}$ \"**

„ „ Length „ **10' 9  $\frac{5}{16}$ \"**

Square Feet of Heating Surface each Boiler **1068.43**

„ „ Grate „ „ **32.34**

No. of Safety Valves each Boiler **1. Double** Rule Diam. **3  $\frac{1}{2}$  ordinary**

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

No. of Pressure Gauges, each Boiler **Two** No. of Water Gauges **One**

„ Test Cocks **Three.** „ Salinometer Cocks **One**



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

*On Pillars*

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

*Direct*

Are these Pipes connected to Boilers by Cocks or Valves?

*✓*

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

*Yes*

No. of Strakes of Shell Plating in each Boiler

*One.*

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



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Thickness of End Plates in Steam Space Approved

" " " " " in Boilers

Pitch of Steam Space Stays

Diar. " " " " Approved Threads per Inch

" " " " " in Boilers

Material of " " "

How are Stays Secured?

Diar. and Thickness of Loose Washers on End Plates

" " Riveted " " "

Width " " Doubling Strips "

Thickness of Middle Back End Plates Approved

" " " " " in Boilers

Thickness of Doublings in Wide Spaces between Fireboxes

Pitch of Stays at " " " "

Diar. of Stays Approved Threads per Inch

" " in Boilers "

Material "

Are Stays fitted with Nuts outside?

Thickness of Back End Plates at Bottom Approved

" " " " " in Boilers

Pitch of Stays at Wide Spaces between Fireboxes

Thickness of Doublings in " "

Thickness of Front End Plates at Bottom Approved

" " " " " in Boilers

No. of Longitudinal Stays in Spaces between Furnaces

Threads per Inch

Thick. of Stays Approved

" " " " in Boilers

Material

Thickness of End Plates Approved

" " " " in Boilers

Pitch of Stay Tubes at Spaces between Heads of Tubes

" " " " Thickness of Doublings in

" " " " Stay Tubes at

Are Stay Tubes fitted with Nuts at Front End?

Thickness of End Plates Approved

" " " " in Boilers

Pitch of Stay Tubes in Back Tube Space

" " " "

Thickness of Stay Tubes

" " " "

Material

Are Stay Tubes fitted with Nuts at Front End?

Thickness of End Plates Approved

" " " " in Boilers

Pitch of Stay Tubes in Back Tube Space

" " " "

Thickness of Stay Tubes

" " " "

Material

Are Stay Tubes fitted with Nuts at Front End?



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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 Chambers Approved

" " " in Boilers

Pitch of Screwed Stays in C.O. Tops

Threads per Inch

Diar. " Approved

" " " in Boilers

Material "

Thickness of Combustion Chambers Approved

" " " in Boilers

Pitch of Screwed Stays in C.O. Tops

Threads per Inch

Diar. " Approved

" " " in Boilers

Material "

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

Thickness of Combustion Chambers Bottoms

No. of Rivets over each Weld Flange

" " " " " "

Height and Thickness of Stays

Material of Stays

No. of Stays in each



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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

No. of Boilers  
Type  
Greatest Diam. Dia.  
Height of Boiler above Main Grate  
Are Boilers Covered with Insulation?  
Internal Radius of Internal Ends  
Description of Boilers in Boiler Covers  
Dist. of Rivet Holes  
Height of Firebox Crown above Main Grate  
Are Firebox Crowns Flat or Dished?  
Internal Radius of Internal Crowns  
No. of Crown Stays  
Diam.  
Material  
External Diam. of Firebox at Top  
Bottom  
Thickness of Plates  
No. of Water Tubes  
Dist. Diam.  
Material of Water Tubes  
Size of Manhole in Shell  
Dimensions of Combustion Flue  
Hanging surface, each Boiler  
Inside surface

SUPERHEATERS

Description of Superheaters

When situated?

Which Boilers are connected to Superheaters?  
Can Superheaters be used in Boilers not connected?

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

No. of Boilers			
Material			
Height, Weight or Capacity			
Internal Diar.			
Thickness			
How are Flanges secured?			
Date of Hydraulic Test			
Test Pressure			
No. of Joints			
Material			
Height, Weight or Capacity			
Internal Diar.			
Thickness			
How are Flanges secured?			
Date of Hydraulic Test			
Test Pressure			



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## MAIN STEAM PIPES.

No. of Lengths	2	2
Material	Copper	-
Brazed, Welded or Seamless	Seamless	-
Internal Diam.	3.5"	-
Thickness	4. G.	-
How are Flanges secured?	Brazed	-
Date of Hydraulic Test	2.3.24	18.3.27
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	

## FEED WATER HEATERS

No. of Lengths	2
Material	Copper
Brazed, Welded or Seamless	Seamless
Internal Diam.	3.5"
Thickness	4. G.
How are Flanges secured?	Brazed
Date of Hydraulic Test	2.3.24
Test Pressure	360 lbs

## FEED WATER HEATERS

No. of Lengths	2
Material	Copper
Brazed, Welded or Seamless	Seamless
Internal Diam.	3.5"
Thickness	4. G.
How are Flanges secured?	Brazed
Date of Hydraulic Test	2.3.24
Test Pressure	360 lbs

## FEED WATER FILTERS

No. of Lengths	2
Material	Copper
Brazed, Welded or Seamless	Seamless
Internal Diam.	3.5"
Thickness	4. G.
How are Flanges secured?	Brazed
Date of Hydraulic Test	2.3.24
Test Pressure	360 lbs



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## EVAPORATORS.

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

## FEED WATER HEATERS.

No. <i>One</i>	Type <i>Behan Heater Type No 8.</i>	
Makers	<i>Walden &amp; Brooke</i>	
Working Pressure	<i>180 lbs</i>	Test Pressure
		Date of Test

## FEED WATER FILTERS.

No. <i>One</i>	Type <i>High pressure.</i>	Size <i>2 1/2"</i>
Makers	<i>MacCod &amp; Pollock.</i>	
Working Pressure	<i>180 lbs</i>	Test Pressure <i>450 lbs</i>
		Date of Test <i>28.4.27.</i>

## LIST OF DONKEY PUMPS.

<i>Ballast Pump</i>	<i>9 1/2 x 11 1/2 x 11</i>	<i>MacCod &amp; Pollock</i>
<i>G. S. pump</i>	<i>6 x 4 x 6</i>	<i>-do-</i>
<i>Sanitary</i>	<i>3 1/2 x 3 1/2 x 4</i>	<i>Mumford</i>
<i>Freshwater</i>	<i>-do-</i>	<i>-do-</i>



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## LIST OF SPARE GEARS

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
" Oil. "	" Oil. "	" Oil. "
" Crank Shafts	" Crank Pin Bushes	" Crosshead Bushes
" Propeller Shafts	" Propellers	" Propeller Blades
" Boiler Tubes	" Condenser Tubes	" Condenser Ferrules

OTHER ARTICLES OF SPARE GEAR:—

*Same as 353/4.*

## REFRIGERATORS



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## REFRIGERATORS.

No. of Machines

Capacity of each

## Makers

### Description

No. of Steam Cylinders, each Machine

No. of Compressors

No. of Cranks

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

### System of Refrigeration

## Insulation

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

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

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

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

Date of Test under Working Conditions

## RESULTS OF TRIALS

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

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## ELECTRIC LIGHTING.

Installation Fitted by  
 No. and Description of Dynamos  
 Makers of Dynamos  
 Capacity " Amperes, at Volts, Revs. per Min.  
 Current Alternating or Continuous  
 Single or Double Wire System  
 Position of Dynamos  
 " Main Switch Board  
 No. of Circuits to which Switches are provided on Main Switch Board  
 Particulars of these Circuits:—

Particulars of these Circuits:—

Particulars of these Circuits:—

Particulars of these Circuits:—

Particulars of these Circuits:—

Particulars of these Circuits:—

Particulars of these Circuits:—

Particulars of these Circuits:—

Particulars of these Circuits:—

Particulars of these Circuits:—

Particulars of these Circuits:—

## ELECTRIC LIGHTING.

Installation Fitted by

Swan Hunter & W.R. Ltd.

No. and Description of Dynamos

One compound wound.

Makers of Dynamos

Sunderland Forge & Eng'g.

Capacity

Amperes, at 110 Volts, 380 Revs. per Min.

Current Alternating or Continuous

Continuous

Single or Double Wire System

Single

Position of Dynamos

In engine room on lower platform

" Main Switch Board

near dynamo

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

4

Particulars of these Circuits:—

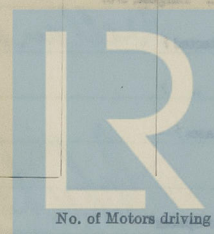
Circuit.	Number of Lights.	Candle Power.	Current Required. Amps.	Size of Conductor.	Current Density.	Conductivity of Conductor.	Insulation Resistance per Mile.
Same as			"Kinzdoc"			1236 Sng No	
			"Torondoc"			1238	

Total No. of Lights

No. of Motors driving Fans, &c.

No. of Heaters

Current required for Motors and Heaters



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Are Cut-outs fitted as follows?—

On Main Switch Board, to Cables of Main Circuits

On App.                   "                   "                   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 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 10-6-77 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? *Yes*

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

Surveyor. *Yes*

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

*"Wellandoe"*

*John Lundgren*  
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.C.	Obs. ft.	:	:	:
		£	:	:
Testing, &c. ...		:	:	:
		£	:	:
Expenses ...		:	:	:
Total ...	£	:	:	:

It is submitted that this Report be approved,

*Walter King*  
Chief Surveyor.

Approved by the Committee for the Class of M.B.S.\* on the 22<sup>nd</sup> August, 1928

Fees advised

Fees paid



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