

TRANSFERRED TO
L. R. SYSTEM

No. 1990

THE BRITISH CORPORATION FOR THE SURVEY
AND
REGISTRY OF SHIPPING.

Report No. 1758 No. in Register Book 3048

TRANSFERRED TO
L. R. SYSTEM

S.S. "Alice"

Makers of Engines Thiemens Eisenwerk AG
Hamburg

Works No. _____

Makers of Main Boilers Thiemens Eisenwerk AG
Hamburg

Works No. 4164-4165

Makers of Donkey Boiler _____

Works No. _____

MACHINERY.



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028129-008136-0114

No.

THE BRITISH CORPORATION FOR THE SURVEY

AND

REGISTRY OF SHIPPING.

Report No. 1758 No. in Register Book 3048

Received at Head Office 23rd October 1924

Surveyor's Report on the Peto Engines, Boilers, and Auxiliary
Machinery of the Single Deck Secret Steamer

"Alice"

Official No.

Port of Registry Copenhagen

Registered Owners

Vampskibsselskabet A/S

Engines Built by

Otto von Guericke

at

Ultana, Hamburg

Main Boilers Built by

Otto von Guericke

at

Ultana, Hamburg

Donkey " "

None

at

Date of Completion

14/5-24

First Visit

1/2 23

Last Visit

4/5-24

Total Visits 20

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RECIPROCATING ENGINES.

Works No. *1160* No. of Sets *1* Description *Triple expansion.*

No. of Cylinders each Engine *3* No. of Cranks *3*

Diams of Cylinders *15 3/4" x 25 5/8" x 41 3/8"* Stroke *26 3/4"*

Cubic feet in each L.P. Cylinder *20.8*

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

Type of H.P. Valves, *Piston valve*
 " 1st I.P. " *Tones piston valve*
 " 2nd I.P. " *Pemas double-ported valve*
 " L.P. " *link motion*
 " Valve Gear *link motion*
 " Condenser *Surface* Cooling Surface *969* sq. ft.

Diameter of Piston Rods (plain part) *4"* Screwed part (bottom of thread)

Material " *P.M. Steel*

Diar. of Connecting Rods (smallest part) Material *P.M. Steel*

" Crosshead Gudgeons Length of Bearing Material

No. of Crosshead Bolts (each) *0* Diar. over Thrd. Thrds. per inch Material

" Crank Pin " *2* " " "

" Main Bearings *6* Lengths *10 7/16"*

" Bolts in each Diar. over Thread Threads per inch Material

" Holding Down Bolts, each Engine *114* Diar. No. of Metal Chocks *114*

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

Piston " "

Crossheads, " "

Connecting Rods, Finished by *Ohmenner Eisenwerk*

Piston " "

Crossheads, " "

Date of Harbour Trial *15/20*" Trial Trip *14/5/20*Trials run at *Nahrhor*Were the Engines tested to full power under Sea-going conditions? *Yes*

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

580

Revs. per min.

*110*Pressure in 1st I.P. Receiver, *178* lbs., 2nd I.P., *43* lbs., L.P., *6* lbs., Vacuum, *25* ins.

Speed on Trial

9.9 knot

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

data:-

Builders' estimated I.H.P.

480

Revs. per min.

Estimated Speed

9 1/4 knots

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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 Astern
 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
 Revols. per min. of H.P. Turbines at Full Power S.H.P.
 If the Conditions on Trial were such that full power records were obtained, the following particulars were obtained:
 " " 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 Revols. 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 PROPELLING MACHINERY. DESCRIPTION OF INSTALLATION.

No. of Turbo-Generating Sets
 Type of Turbines employed
 Description of Generators
 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
 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
 Revols. per min. of Generators at Full Power
 " " Motors
 " " 1st Reduction Shaft
 " " 2nd " "
 Estimated Pressure per lineal inch
 Total Shaft Horse Power
 Date of Harbour Trial
 " Trial Trip
 Trials run at
 Speed on Trial Knots. Propeller Revols. per min. S.H.P.
 Turbine Spindles forged by
 " Wheels forged or cast by
 Reduction Gear Shafts forged by
 " Wheels forged or cast by



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SHAFTING.

Are the Crank Shafts Built or Solid? *Quill*

No. of Lengths in each *1/2* Angle of Cranks *120°*

Diar. by Rule Actual In Way of Webs

" of Crank Pins Length between Webs

Greatest Width of Crank Webs Thickness *see plan*

Least " " " " " "

Diar. of Keys in Crank Webs Length

" Dowels in Crank Pins Length Screwed or Plain

No. of Bolts each Coupling Diar. at Mid Length Diar. of Pitch Circle

Greatest Distance from Edge of Main Bearing to Crank Web

Type of Thrust Blocks *Michell*

No. " Rings

Diar. of Thrust Shafts at bottom of Collars *8 1/16"* No. of Collars *1*

" " Forward Coupling *8 1/16"* At Aft Coupling *8 1/16"*

Diar. of Intermediate Shafting by Rule Actual *7 1/16"* No. of Lengths *4*

No. of Bolts, each Coupling *6* Diar. at Mid Length *2"* Diar. of Pitch Circle *12 7/32"*

Diar. of Propeller Shafts by Rule Actual *10 3/8 9 3/4"* At Couplings *8 1/16"*

Are Propeller Shafts fitted with Continuous Brass Liners? *No*

Diar. over Liners Length of After Bearings *4'-0"*

Of what Material are the After Bearings composed? *White metal*

Are Means provided for lubricating the After Bearings with Oil? *Yes*

" " to prevent Sea Water entering the Stern Tubes? *Yes*

If so, what Type is adopted? *Cedermall Wax*

SKETCH OF CRANK SHAFT.

A. Brown 27-2-23
2 1/2 - 62905
2 Rod.

N. 4 - 24
G. E. P.



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No. of Blades each Propeller *4*

Fitted or Solid *Solid*

Material of Blades *Bronce*

Boss *Bronce*

Diar. of Propellers *11'-4" Pitch*

9'-7 3/4"

Surface (each) *4 2/3*

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

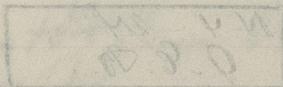
Thrust " "

Mitchell

Intermed. "

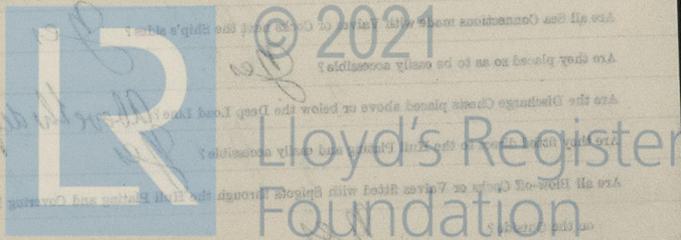
Propeller "

STAMP MARKS ON SHAFTS.



SKETCH OF PROPELLER SHAFT.

15 1/8 No. of Air Pumps
15 1/8 No. of Independent Engines?
15 1/8 No. of Operating Pumps
15 1/8 Type of " "
15 1/8 Diar. of " "
15 1/8 Has each Pump a High Section with Non-return Valves?
15 1/8 What other Pumps can operate through Condensers?
15 1/8 No. of Feed Pumps on Main Engines
15 1/8 Are Spring-loaded Relief Valves fitted to each Pump?
15 1/8 Can one Pump be overhauled while the others are at work?
15 1/8 No. of Independent Feed Pumps
15 1/8 What other Pumps can feed the Boilers?
15 1/8 No. of High Pumps on Main Engines
15 1/8 Can one Pump be overhauled while the others are at work?
15 1/8 No. of Independent High Pumps
15 1/8 What other Pumps can draw from the Highs?
15 1/8 Are all High Sections fitted with Hoses?
15 1/8 Are the Valves etc. so arranged as to prevent unintentional connection between low and high?
15 1/8 Are all Sea Connections made with the Valve or Chain end of the Ship's side?
15 1/8 Are they placed so as to be easily accessible?
15 1/8 Are the Distances between the Deck Load Lines and the Pumps or Tanks?
15 1/8 Are they fitted with Pipes or Valves fitted with Pipes through the Deck and Operating Pipes or Tanks?
15 1/8 on the Pumps?



BOILERS.

Works No. 4164 4165

No. of Boilers 2 Type horizontal return tubular boiler

Single or Double-ended Single-ended

No. of Furnaces in each 2

Type of Furnaces Maurisons

Date when Plan approved.

Approved Working Pressure 185 lbs. p. 29 inches

Hydraulic Test Pressure 535 lbs.

Date of Hydraulic Test

„ when Safety Valves set 12/5/20

Pressure at which Valves were set 185 lbs.

Date of Accumulation Test 8/5/20

Maximum Pressure under Accumulation Test 198 lbs.

System of Draught Natural

Can Boilers be worked separately? Yes

Makers of Plates

„ Stay Bars } See report from Hamburg

„ Rivets }

„ Furnaces }

Greatest Internal Diam. of Boilers 10'-6"

„ „ Length „ 10'-6"

Square Feet of Heating Surface each Boiler 1022

„ „ Grate „ „ 26.4

No. of Safety Valves each Boiler 2 Rule Diam. 2 3/8" Actual

Are the Safety Valves fitted with Easing Gear? Yes

No. of Pressure Gauges, each Boiler 2 No. of Water Gauges 2

„ Test Cocks „ 2 „ Salinometer Cocks

W. G. & L. P. 20
H. G. 370



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

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

Are these Pipes connected to Boilers by Cocks or Valves? *Cocks*

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

No. of Strakes of Shell Plating in each Boiler *1*

Plates in each Strake

Thickness of Shell Plates Approved

in Boilers *23 mm*

Are the Rivets Iron or Steel?

Are the Longitudinal Seams Butt or Lap Joints? *Butt joint*

Are the Butt Straps Single or Double? *Double*

Are the Double Butt Straps of equal width? *Yes*

Thickness of outside Butt Straps *18 mm*

inside *18 mm*

Are Longitudinal Seams Hand or Machine Riveted?

Are they Single, Double, or Treble Riveted? *Treble Riveted*

No. of Rivets in a Pitch

Diar. of Rivet Holes *28 mm* Pitch *88 mm*

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 *2*

Are these Seams Hand or Machine riveted?

Diar. of Rivet Holes *28 mm* Pitch *92 mm*

No. of Rows of Rivets in Back End Circumferential Seams *2*

Are these Seams Hand or Machine Riveted?

Diar. of Rivet Holes *28 mm* Pitch *92 mm*

Size of Manholes in Shell *300 x 400 mm*

Dimensions of Compensating Rings

pillars
by pipes
Boiler Shell

Thickness of End Plates in Steam Space Approved
in Boilers
Pitch of Steam Space Straps
Diar. of Rivet Holes in Boilers
Materials of
How are Straps Secured?
Diar. and Thickness of Loose Washers on End Plates
Rivets
Width of Doubling Straps
Thickness of Middle Back End Plates Approved
in Boilers
Thickness of Doubling in Wide Spaces between Pipes
Pitch of Straps at
Diar. of Straps Approved
Threads per Inch
in Boilers
Materials
Are Straps Fitted with Nuts outside?
Thickness of Back End Plates at Bottom Approved
in Boilers
Pitch of Straps at Wide Spaces between Pipes
Thickness of Doubling in
Thickness of Front End Plates at Bottom Approved
in Boilers
No. of Longitudinal Straps in Spaces between Pipes

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Thickness of End Plates in Steam Space Approved

in Boilers *Fore end plate 26.5 mm.*

Pitch of Steam Space Stays

400 mm.

Diam. of Stays Approved

Threads per Inch

in Boilers

13 mm " 6

Material of

How are Stays Secured?

Screwed in both plates with

Diam. and Thickness of Loose Washers on End Plates

Riveted

320 mm. diam x 25 mm.

Width of Doubling Strips

Thickness of Middle Back End Plates Approved

in Boilers

Thickness of Doublings in Wide Spaces between Fireboxes

25 mm

Pitch of Stays at

Diam. of Stays Approved

Threads per Inch

in Boilers

Material

Are Stays fitted with Nuts outside?

Yes

Thickness of Back End Plates at Bottom Approved

in Boilers

25 mm.

Pitch of Stays at Wide Spaces between Fireboxes

Thickness of Doublings in

Thickness of Front End Plates at Bottom Approved

in Boilers

26.5 mm.

No. of Longitudinal Stays in Spaces between Furnaces

1

Back end plate 25 mm.

nuts inside and outside

mm.



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Diar. of Stays Approved Threads per Inch
" " in Boilers 73 mm. 6

Material "

Thickness of Front Tube Plates Approved
" " " " in Boilers 26.5 mm.

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? No.

Thickness of Back Tube Plates Approved
" " " in Boilers 20 mm.

Pitch of Stay Tubes in Back Tube Plates
" Plain " 115 mm

Thickness of Stay Tubes
" Plain " 7.8 and 11 mm

External Diar. of Tubes 83 mm.
Material " Iron

Thickness of Furnace Plates Approved
" " " in Boilers 13

Smallest outside Diar. of Furnaces 1050 mm

Length between Tube Plates 2250 mm

Width of Combustion Chambers (Front to Back) 650 mm.

Thickness of " " Tops Approved
" " " in Boilers 18 mm.

Pitch of Screwed Stays in C.C. Tops

Diar. of Screwed Stays Approved
" " " in Boilers
Material "

Thickness of Combustion Chamber sides approved
" " " in Boilers
Pitch of screw stays in C.C. sides
Diar. " Approved " " "
" " " in Boilers
Material "

Thickness of Combustion Chamber flanges approved
" " " in Boilers
Pitch of screw stays in C.C. flanges
Diar. " Approved " " "
" " " in Boilers
Material "
Are all screw stays fitted with Nuts inside C.C.
Thickness of Combustion Chamber bottoms

No. of stays over each wire chamber
" " " " " " "
Pitch and thickness of stays
Material of stays
No. of stays in each
No. of stays in boiler
Size of stays



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Diar. of Screwed Stays Approved Threads per Inch

" " " in Boilers 34.5 mm
 Material " " P. M. Steel

Thickness of Combustion Chamber sides Approved

" " " " in Boilers 18 mm
 Pitch of Screwed Stays in C.C. Sides 205 mm

Diar. " " Approved Threads per Inch

" " " in Boilers 34.5 mm
 Material " " P. M. Steel

Thickness of Combustion Chamber Backs Approved

" " " " in Boilers 18 mm
 Pitch of Screwed Stays in C.C. Backs 190 - 200 mm

Diar. " " Approved Threads per Inch

" " " in Boilers 34.5 mm. = 44.02 mm
 Material " " P. M. Steel

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

Thickness of Combustion Chamber Bottoms

No. of Girders over each Wing Chamber

" " " Centre " 5
 Depth and Thickness of Girders 2 off 200 x 14

Material of Girders

No. of Stays in each

No. of Tubes, each Boiler

Size of Lower Manholes

130
 200 x 400 mm.

VERTICAL DONKEY BOILERS.

No. of Boilers Type
 Greatest Int. Diar.
 Height
 Height of Boiler Crown above Fire Grate
 Are Boiler Crown Flat or Dished?
 Internal Radius of Dished Boilers
 Description of Beams in Boiler Crown
 Diar. of Live Holes
 Height of Firebox Crown above Fire Grate
 Are Firebox Crown Flat or Dished?
 External Radius of Dished Crown
 Thickness of Plates
 No. of Crown Stays
 Material
 External Diar. of Firebox at Top
 Bottom
 Thickness
 No. of Water Tubes
 Material of Water Tubes
 Size of Manhole in Shell
 Dimensions of Combustion Flue
 Heating Surface, each Boiler
 Gross Surface

SUPERHEATERS
 Description of Superheaters
 Where situated?
 When Boilers are connected to superheaters?
 Can superheaters be shut off while Boilers are working?
 No. of Safety Valves of each Superheater
 Are they fitted with Safety Caps?
 Date of Re-Examination
 Date when safety Valves set

Pressure on Valves
 Test Pressure
 180 lbs
 180 lbs

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VERTICAL DONKEY BOILERS.

No. of Boilers *None* Type *None*

Greatest Int. Diar. *4 1/2 ft* Height *12 ft*

Height of Boiler Crown above Fire Grate *12 ft*

Are Boiler Crowns Flat or Dished? *None*

Internal Radius of Dished Ends *None* Thickness of Plates *None*

Description of Seams in Boiler Crowns *None*

Diar. of Rivet Holes *None* Pitch *None* Width of Overlap *None*

Height of Firebox Crowns above Fire Grate *None*

Are Firebox Crowns Flat or Dished? *None*

External Radius of Dished Crowns *None* Thickness of Plates *None*

No. of Crown Stays *None* Diar. *None* Material *None*

External Diar. of Firebox at Top *None* Bottom *None* Thickness of Plates *None*

No. of Water Tubes *None* Ext. Diar. *None* Thickness *None*

Material of Water Tubes *None*

Size of Manhole in Shell *None*

Dimensions of Compensating Ring *None*

Heating Surface, each Boiler *None* Grate Surface *None*

SUPERHEATERS.

Description of Superheaters

Schmidt's

Where situated?

In firetubes

Which Boilers are connected to Superheaters?

The main-boilers

Can Superheaters be shut off while Boilers are working?

Yes

No. of Safety Valves on each Superheater

Diar.

2"

Are " " fitted with Easing Gear?

Yes

Date of Hydraulic Test

Test Pressure

550 lbs

Date when Safety Valves set

Pressure on Valves

*180 lbs**13/5 24*

MAIN STEAM PIPES.

No. of Lengths *1*

Material *Steel*

Brand, Weight or Section *12" x 1/2"*

Internal Diar. *11 1/2"*

Thickness *1/2"*

How are Flanges secured? *None*

Date of Hydraulic Test *18-9-25*

Test Pressure *180 lbs*

No. of Lengths *1*

Material *Steel*

Brand, Weight or Section *12" x 1/2"*

Internal Diar. *11 1/2"*

Thickness *1/2"*

How are Flanges secured? *None*

Date of Hydraulic Test *18-9-25*

Test Pressure *180 lbs*

No. of Lengths *1*

Material *Steel*

Brand, Weight or Section *12" x 1/2"*

Internal Diar. *11 1/2"*

Thickness *1/2"*

How are Flanges secured? *None*

Date of Hydraulic Test *18-9-25*

Test Pressure *180 lbs*



MAIN STEAM PIPES.

No. of Lengths

Material

Brazed, Welded or Seamless

Internal Diam.

Thickness

How are Flanges secured?

Date of Hydraulic Test

Test Pressure

Steel
Copper
3 1/4

4 mm

rolled

555 lbs. p. 14

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

7-2-24. 39 kg	
G. E. F. D.	

7-2-24. 39 kg	
G. E. F. D.	

30-2-24. 39 kg.	
G. E. F. D.	



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EVAPORATORS.

No. 1 Type Davis Tons per Day 8
 Makers Davis & Home, Johnstone
 Working Pressure _____ Test Pressure _____ Date of Test _____
 Date of Test of Safety Valves under Steam _____

FEED WATER HEATERS.

No. 1 Type Surface feed water heater
 Makers A/S Nahaar, Dhaka, West
 Working Pressure 185 lbs Test Pressure 370 lbs Date of Test _____

FEED WATER FILTERS.

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

LIST OF DONKEY PUMPS.

1 off Duplex Donkey pump 6" x 4" x 6"
1 off Duplex Ballard pump 7 1/2" x 8 1/2" x 12"

Valve Rods	✓	Valve Rods	✓
Valve Springs	✓	Valve Springs	✓
Valve Seats	✓	Valve Seats	✓
Valve Packing	✓	Valve Packing	✓
Valve Gaskets	✓	Valve Gaskets	✓
Valve Bolts	✓	Valve Bolts	✓
Valve Nuts	✓	Valve Nuts	✓
Valve Washers	✓	Valve Washers	✓
Valve Spacers	✓	Valve Spacers	✓
Valve Locks	✓	Valve Locks	✓
Valve Keys	✓	Valve Keys	✓
Valve Pins	✓	Valve Pins	✓
Valve Cotter Pins	✓	Valve Cotter Pins	✓
Valve Screws	✓	Valve Screws	✓
Valve Rivets	✓	Valve Rivets	✓
Valve Bolts	✓	Valve Bolts	✓
Valve Nuts	✓	Valve Nuts	✓
Valve Washers	✓	Valve Washers	✓
Valve Spacers	✓	Valve Spacers	✓
Valve Locks	✓	Valve Locks	✓
Valve Keys	✓	Valve Keys	✓
Valve Pins	✓	Valve Pins	✓
Valve Cotter Pins	✓	Valve Cotter Pins	✓
Valve Screws	✓	Valve Screws	✓
Valve Rivets	✓	Valve Rivets	✓

12 off 2 1/2" x 3 1/2" x 4 1/2" fine line
12 off 2 1/2" x 3 1/2" x 4 1/2" coarse gauge



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REFRIGERATORS.

No. of Machines *6* Capacity of each *2*
 Makers *W. G. & Co. Ltd.* *W. G. & Co. Ltd.*
 Description *W. G. & Co. Ltd.* *W. G. & Co. Ltd.*
 No. of Steam Cylinders, each Machine *1* No. of Compressors *6* No. of Cranks *12*

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

15 off Gyroscopic fire line
6 Water gauge glass

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.			
Material of System							
Capacity							
Current Alternating or Continuous							
Single or Double Wire System							
Position of Dynamo							
Main Switch Board							
No. of Circuits to which Switches are provided on Main Switch Board							
Particulars of these circuits—							
Current	Number of Amps	Change of Power	Change of Voltage	Rate of Consumption	Pressure	Temperature	Quantity of Water

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



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Total No. of Trials

Carries supplied for stores and fixtures

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 Dynamometers, Motors, Main and Branch Cables, so placed that the Compresses are easily

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?

Is the Installation supplied with a Voltmeter?

Date of Trial of complete Installation

Have all the requirements of Section 11 been satisfactorily carried out?

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. *"Alice"*

as ascertained by ^{us} _{me} from personal examination

Signature of Surveyor

W. H. Morrison

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

Fees—

MAIN BOILERS.

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,

Green King
Chief Surveyor.

Approved by the Committee for the Class of M.B.S.* on the 19th Nov 1924

Fees advised

Fees paid



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Secretary

NO. 100121800 LABORED

Test

MAIN BOILERS

H.S.

Sp. R.

DOCKET BOILERS

H.S.

Sp. R.

G.S.

PROCESSES

L.P.C.

Op. R.

Testing & Co.

Expenses

Total

It is submitted that this Report be approved.

Test advised

Test paid



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