

No. 1983

THE BRITISH CORPORATION FOR THE SURVEY
AND
REGISTRY OF SHIPPING.

Report No. *1733* No. in Register Book *3019*

S.S. *"SETTZU"*

Makers of Engines *Smith's Dock Co Ltd*

Works No. *264*

Makers of Main Boilers *Blair & Co Ltd*

Works No. *A43*

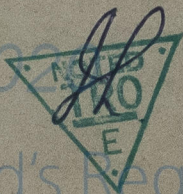
Makers of Donkey Boiler *✓*

Works No. *✓*

MACHINERY.



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No.

THE BRITISH CORPORATION FOR THE SURVEY
AND
REGISTRY OF SHIPPING.

Report No. 1733 No. in Register Book 3019

Received at Head Office

13th May 1921

Surveyor's Report on the New Engines, Boilers, and Auxiliary
Machinery of the ~~Single Triple~~ ~~Twin Quadruple~~ Screw Self-Propelled (Trawler)

Official No.

Port of Registry

Cardiff

Registered Owners

Heale & West Ltd.

Engines Built by

Smiths & Co. Ltd.

at

South Bank-on-Tees.

Main Boilers Built by

Blair & Co. Ltd.

at

Clockton-on-Tees.

Donkey

at

Date of Completion

3-4-24

First Visit

26-11-23

Last Visit

1-4-24

Total Visits

35

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RECIPROCATING ENGINES.

Works No.

261

No. of Sets

1

Description

Triple expansion.
S.C. 3 Cyls.

No. of Cylinders each Engine

3

No. of Cranks

3

Diars. of Cylinders

13 1/4" - 23" - 34"

Stroke 27.

Cubic feet in each L.P. Cylinder

16.8

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

Yls.

" " " each Receiver?

Yls.

Type of H.P. Valves,

- Piston.

" 1st I.P. "

" 2nd I.P. "

" L.P. "

" Valve Gear

" Condenser

Slide
Stephenson Link.
Surface.

Cooling Surface 700 sq. ft.

Diameter of Piston Rods (plain part)

4

Screw part (bottom of thread) 2.5-3"

Material

Steel

Diar. of Connecting Rods (smallest part)

3 3/4"

Material

W. G.

" Crosshead Gudgeons

3 3/4"

Length of Bearing

2 1/2"

Material

"

No. of Crosshead Bolts (each)

4

Diar. over Thrd.

1 3/4"

Thrs. per inch

7

Material

Steel.

" Crank Pin "

2

" "

2 1/4"

" "

6

" "

"

" Main Bearings

6

Lengths

8"

" Bolts in each

2

Diar. over Thread

2"

Threads per inch

7

Material

Steel.

" Holding Down Bolts, each Engine

43

Diar.

1 1/4"

No. of Metal Chocks

43.

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?

Connecting Rods, Forged by

Smiths Walsend Forge.

Piston

"

Crossheads,

Connecting Rods, Finished by

Smiths Walsend Ld.

Piston

"

Crossheads,

Date of Harbour Trial

31-3-24.

" Trial Trip

3-4-24

Trials run at

Between Suss. Lynce.

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

Yls.

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

540

Revs. per min. 104.

Pressure in 1st I.P. Receiver,

5-8

lbs., 2nd I.P.,

"

lbs., L.P.,

10

lbs., Vacuum, 25.5 ins.

Speed on Trial

no chart taken.

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



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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

Diam. of 1st Reduction Pinion

Width

Pitch of Teeth

" 1st " Wheel

Estimated Pressure per lineal inch

Diam. of 2nd Reduction Pinion

Width

Pitch of Teeth

" 2nd " Wheel

Estimated Pressure per lineal inch

Revs. per min. of 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.

Sketch of Propeller Shaft

Are the Crank Shafts built or built?

No. of Length in each

Diam. by Rule

Actual

Length between Webs

Thickness

Overhaul Width or Crank Webs

Length

Diam. of Key in Crank Webs

Length

Down to Crank Pin

No. of Bolts each Coupling

Diam. at Mid Length

Distance between Bolts

Type of Thrust Blocks

No. of Bolts

Diam. of Thrust Bolts at bottom of Collars

Forward Coupling

No. of Bolts each Coupling

Diam. at Mid Length

Actual

No. of Length

Diam. of Propeller Shafts by Rule

Actual

Length of After Bearings

Of what material are the After Bearings composed?

Are the Propeller Shafts fitted with Anti-friction Bearings?

Diam. over Liners

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SHAFTING.

Are the Crank Shafts Built or Solid?

Built.

No. of Lengths in each

4

Angle of Cranks

120°

Diar. by Rule

6.7

Actual

7 3/8"

In Way of Webs

7 3/8"

,, of Crank Pins

7 3/8"

Length between Webs

8"

Greatest Width of Crank Webs

14 1/2"

Thickness

4 5/8"

Least ,, ,,

11 1/4"

,,

Diar. of Keys in Crank Webs

1 1/4"

Length

3 3/8"

,, Dowels in Crank Pins

1"

Length

3 1/2"

Screwed or Plain

plain.

No. of Bolts each Coupling

4

Diar. at Mid Length

2 1/8"

Diar. of Pitch Circle

11 3/4"

Greatest Distance from Edge of Main Bearing to Crank Web

4 1/8"

Type of Thrust Blocks

Horseshoe Type.

No. ,, Rings

4

Diar. of Thrust Shafts at bottom of Collars

7 3/8"

No. of Collars

4

,, ,, Forward Coupling

7"

At Aft Coupling

7"

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

7.38

Actual

8"

At Couplings

7"

Are Propeller Shafts fitted with Continuous Brass Liners?

yes.

Diar. over Liners

9"

Length of After Bearings

3'-0 1/2"

Of what Material are the After Bearings composed?

Signum 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.

Handwritten notes and sketches on the right page, including a large bracketed list of items and a small sketch of a crankshaft.



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PUMPS, ETC.

No. of Air Pumps 169 Diar. 14" Stroke 13 1/2"

Worked by Main or Independent Engines? *by main engines.*

No. of Circulating Pumps 1 Diar. — Stroke —

Type of " *Centrifugal*

Diar. of " Suction from Sea 5-2

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

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

No. of Feed Pumps on Main Engine 2 Diar. 2 7/8" Stroke 13 1/2"

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

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

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

What other Pumps can feed the Boilers? *Ballast Donkey.*

No. of Bilge Pumps on Main Engine 2 Diar. 2 7/8" Stroke 13 1/2"

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

No. of Independent Bilge Pumps 1

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

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

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

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

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

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

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

Are all Blow-off Cocks or Valves fitted with Spigots through the Hull Plating and Covering Plates or Flanges

on the Outside? *ylo.*

BOILERS

No. of Boilers 1

Type of Boilers *Water-tube*

No. of Furnaces in each *3*

Type of Furnaces *Water-tube*

Date when last overhauled *1880*

Approved Working Pressure *100 lbs.*

Hydraulic Test Pressure *120*

Date of Hydraulic Test *1880*

When Safety Valves set *1880*

Pressure at which Valves were set *100 lbs.*

Date of Accumulation Test *1880*

Maximum Pressure under Accumulation Test *100 lbs.*

System of Drafting *Water-tube*

Has Boiler been worked separately? *ylo.*

System of Drafting *Water-tube*

Has Boiler been worked separately? *ylo.*

System of Drafting *Water-tube*

Has Boiler been worked separately? *ylo.*

System of Drafting *Water-tube*

Has Boiler been worked separately? *ylo.*

System of Drafting *Water-tube*

Has Boiler been worked separately? *ylo.*

System of Drafting *Water-tube*

Has Boiler been worked separately? *ylo.*

System of Drafting *Water-tube*

Has Boiler been worked separately? *ylo.*

System of Drafting *Water-tube*

Has Boiler been worked separately? *ylo.*



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BOILERS.

Works No. *A 43.*
 No. of Boilers *1* Type *Cylindrical multitubular.*
 Single or Double-ended *single.*
 No. of Furnaces in each *3*
 Type of Furnaces *plain.*
 Date when Plan approved
 Approved Working Pressure *180 lbs.*
 Hydraulic Test Pressure *320 "*
 Date of Hydraulic Test *13-3-24*
 " when Safety Valves set *31-4-24*
 Pressure at which Valves were set *185 lbs.*
 Date of Accumulation Test *31-4-24*
 Maximum Pressure under Accumulation Test *186 lbs.*
 System of Draught *natural.*
 Can Boilers be worked separately? *Yls.*
 Makers of Plates *Wm. Chenevix Trench.*
 " Stay Bars *Wm. Chenevix Trench.*
 " Rivets *Blair & Co.*
 " Furnaces *James Pigott & Co.*
 Greatest Internal Diam. of Boilers *14'-0"*
 " " Length " *10'-9"*
 Square Feet of Heating Surface each Boiler *1980 sq ft*
 " " Grate " " *55.4 sq ft*
 No. of Safety Valves each Boiler *2* Rule Diam. Actual *2 3/4"*
 Are the Safety Valves fitted with Easing Gear? *Yls.*
 No. of Pressure Gauges, each Boiler *2* No. of Water Gauges *1*
 " Test Cocks " *3* " " Salinometer Cocks *1*

Test Mark on Boilers: —

B.C. TEST.
 No 384
 320 lbs
 W.P. 180
 13-3-24
 J. D. S.

Size of Compression Ring: —
 Started $3/8"$ Port B

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

Thickness of Stays Approved

" " " " in Boilers

" " " " " in Boilers

Thickness of Front End Plates Approved

" " " " in Boilers

Pitch of Stays at Wide Spaces between Fireboxes

" " " " " in Boilers

" " " " " in Boilers

" " " " " in Boilers

Thickness of Back End Plates Approved

" " " " in Boilers

Pitch of Stays at Wide Spaces between Fireboxes

" " " " " in Boilers

Thickness of Stays Approved

" " " " in Boilers

External Diam. of Tubes

Material

Thickness of Furnace Plates Approved

" " " " in Boilers

Thickness of Stays at Wide Spaces between Fireboxes

" " " " " in Boilers



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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

Diagrams of Stays Approved

" " " 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



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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

VERTICAL DONKEY BOILERS

No. of Boilers
Type
Greatest Incl. Diam.
Height of Boiler Crown above Fire Grate
Is Boiler Crown Flat or Dished?
Internal Radius of Dished Ends
Description of Seams in Boiler Crown
Pitch of Rivet Hoops
Width of Overlap
Height of Firebox Crown above Fire Grate
Is Firebox Crown Flat or Dished?
Internal Radius of Dished Crown
No. of Crown Stays
Diam.
Thickness of Plates
Internal Diam. of Firebox at Top
Riv. Diam.
No. of Water Tubes
Material of Water Tubes
Size of Manholes in Shell
Dimensions of Combustion Flue
Is there space each Boiler

SUPERHEATERS

Description of Superheaters
Where situated?
Which boiler are connected to superheaters?
Can superheaters be shut off while boiler are working?
No. of Safety Valves on each superheater
Is there any steam going to the
Date when Safety Valves set



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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 Lasing Gear?	
Date of Hydraulic Test	Test Pressure
Date when Safety Valves set	Pressure on Valves

MAIN STEAM PIPES

No. of Pipes	
Material	
Joined, Welded or Flanged	
Internal Diar.	
Thickness	
How are Flanges secured?	
Date of Hydraulic Test	
Test Pressure	
No. of Pipes	
Material	
Joined, Welded or Flanged	
Internal Diar.	
Thickness	
How are Flanges secured?	
Date of Hydraulic Test	
Test Pressure	
No. of Pipes	
Material	
Joined, Welded or Flanged	
Internal Diar.	
Thickness	
How are Flanges secured?	
Date of Hydraulic Test	
Test Pressure	



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MAIN STEAM PIPES.

No. of Lengths

Material

Brazed, Welded or Seamless

Internal Diam.

Thickness

How are Flanges secured?

Date of Hydraulic Test

Test Pressure

1
Copper.
S. D.
4"
6 W.S.
braced.
26-3-24
400 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.

FEED WATER FILTERS.



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EVAPORATORS.

No.	Type	Makers	Working Pressure	Test Pressure	Date of Test	Tons per Day
	Copper					
	5					
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	Makers	Working Pressure	Test Pressure	Date of Test	Size

LIST OF DONKEY PUMPS.

1 Samonts General Service 6" x 4 1/4" x 6"
 1 Feed Donkey 6" x 4 1/4" x 6"

Feed Pump Valves	"	Feed Pump Valves	"	Feed Pump Valves	"
U.P. Piston Rings	"	U.P. Piston Rings	"	U.P. Piston Rings	"
Valve Springs	"	Valve Springs	"	Valve Springs	"
Feed Check Valves	"	Feed Check Valves	"	Feed Check Valves	"
Valve Springs	"	Valve Springs	"	Valve Springs	"
Air Pump Valves	"	Air Pump Valves	"	Air Pump Valves	"
"	"	"	"	"	"
"	"	"	"	"	"
Crank Pin Bushes	"	Crank Pin Bushes	"	Crank Pin Bushes	"
Propeller Blades	"	Propeller Blades	"	Propeller Blades	"
Condenser Fittings	"	Condenser Fittings	"	Condenser Fittings	"



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

OTHER ARTICLES OF SPARE GEAR:—

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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.

COMPARTMENT.	Temp. at beginning of Trial.	Temp. at end of Trial.	Time required to obtain this Result.	Rise of Temp. after hours.
No. of Compartments	45	50	350	
Capacity				
Current Alternating or Continuous				
Single or Double Wire System				
Position of Dynamo				
State of the Engine				
No. of Circuits to which Pumps are powered or Water System used				
Particulars of these Circuits				
Current				
Power				
Speed				
Pressure				
Temperature				
Humidity				
Wind				
Barometer				
Direction of Wind				
Force of Wind				
Direction of Current				
Force of Current				
Direction of Tide				
Force of Tide				
Direction of Wind				
Force of Wind				
Direction of Current				
Force of Current				
Direction of Tide				
Force of Tide				

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



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ELECTRIC LIGHTING.
R. Pickens & Sons

No. and Description of Dynamos

Capacity ..

Single or Double Wire System

„ Main Switch Board

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

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.
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Same as ship

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Total No. of Lights

No. of Motors driving Fans, &c.

No. of Heaters

Current required for Motors and Heaters

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?

Salons, 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 *3-4-24* Duration of Trial *6 hours*

Have all the requirements of Section 42 been satisfactorily carried out? *Yes*

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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. *are the Dynamometer Main and Branch Pipes so placed that the Compressors are*

affected by them?

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

Has the Installation Resistance over the whole system been tested?

What does the Resistance amount to?

Is the Installation Resistance within a reasonable limit?

What is the maximum pressure?

Date of Trial of complete Installation

Have all the requirements of Section 42 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.

"SETTZU"

as ascertained by ^{us}me from personal examination

J. D. Clitherson

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

Fees—

MAIN BOILERS.

		£	s.	d.
H.S.	1980	Sq. ft.	:	:
G.S.	55.4	"	:	:

DONKEY BOILERS.

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

ENGINES.

L.P.C.	16.8	Cub. ft.	:	:
		£	:	:

Testing, &c. ...	:	:
£	:	:

Expenses ...	:	:
Total ...	£	:

It is submitted that this Report be approved,

Joe Bass for Chief Surveyor.

Approved by the Committee for the Class of M.B.S.* on the *14th May 1924*

Fees advised

Fees paid



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Foundation

Secretary.

GENERAL CONSTRUCTION

Foot—

not less than 1/2 inch and not more than 1/4 inch in thickness and not less than 1/2 inch in width and not more than 1/4 inch in depth.

1. The main body of the structure shall be constructed of concrete or masonry.

2. The main body of the structure shall be constructed of concrete or masonry.

3. The main body of the structure shall be constructed of concrete or masonry.

4. The main body of the structure shall be constructed of concrete or masonry.

5. The main body of the structure shall be constructed of concrete or masonry.

6. The main body of the structure shall be constructed of concrete or masonry.

7. The main body of the structure shall be constructed of concrete or masonry.

8. The main body of the structure shall be constructed of concrete or masonry.

9. The main body of the structure shall be constructed of concrete or masonry.

10. The main body of the structure shall be constructed of concrete or masonry.

11. The main body of the structure shall be constructed of concrete or masonry.

12. The main body of the structure shall be constructed of concrete or masonry.

13. The main body of the structure shall be constructed of concrete or masonry.

14. The main body of the structure shall be constructed of concrete or masonry.

It is submitted that this Report be approved.

Approved by the Committee for the U.S.S. on the 11th day of 1980.

SETTZO

Not advised

Not held



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