

No. 2254

TRANSFERRED TO  
L R SYSTEM

BRITISH CORPORATION FOR THE SURVEY  
AND  
REGISTRY OF SHIPPING.

RETAIN

Report No. 2314 No. in Register Book 3404

EUGENE

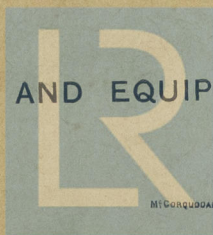
TRANSFERRED TO  
L R SYSTEM

"LOCHSHIEL"  
S.

Builder Henry Robb. Ltd.

Yard No. 143.

HULL AND EQUIPMENT.



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MICROQUADALE & CO. LTD. GLASGOW & LONDON

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# BRITISH CORPORATION FOR THE SURVEY

AND

## REGISTRY OF SHIPPING.

Report No. ....

No. in Register Book, .....

Received at Head Office, .....

28<sup>th</sup> October 1929

### Surveyor's Completion Report on the Construction of the

Wood  
Steel  
H.C.

Ship "LOCHSHIEL"

Official No. 160274

Surveyor's District *Leith*

Builders *Henry Robt. Ltd. Leith.*

Yard No. *143*

Surveys held at *Victoria Yard Leith.*

Owners *Messrs David Macbrayne (1928) Ltd.*

Port of Registry *Glasgow.*

Flag *British.*

Managers

Manager's Address

Master *R. McLean*

Year of Certificate *1926*

Rig

Code Letters

Scantling Sections approved by Committee *6.3.29*

To be classed *B.S.\* (with freeboard.)*

With a Freeboard of *7"*

Date of First Visit *21.2.29*

Date of Last Visit *18.9.29*

Total number of Visits *37.*

Keel Laid *20/3/29*

Date of Build *9/29*

Launched *8.8.29*

Date of this Report *26/10/29.*

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## PARTICULARS.

## Registered Dimensions

105.85' x 26.1' x 8.55'

## Tonnages—

Tons.

## Under Tonnage Deck

In ..... 'Tween Decks

In ..... 'Tween Decks

In ..... 'Tween Decks

In Turret

## Suez Canal Tonnage—

## Under Deck Tonnage

158.69

## Tonnage in Poop

" R.Q.D.

" Bridge

" Forecastle

" Hatchways

" Deck Houses

" Chart Houses

" Light and Air Spaces

## Gross Tonnage

208.03

## Deductions—

Crew Space

Engine Room

%

Light and Air

Navigation Spaces and Stores

Peak Tanks

Deep Tanks

## Net Registered Tonnage

102.11

Date of Expiry of Vessel's B.O.T. Passenger Certificate

## PARTICULARS—Continued.

## Moulded Dimensions

105'-0" x 26'-0" x 9'-6"

## Height of Superstructure

$$\frac{L}{B} = 4.04$$

$$\frac{L}{D} = 11.05$$

$$\frac{D}{B} = .37$$

$$\frac{L}{D \text{ (to Top of Superstructure)}} = 6.29$$

## Camber

6½"

## Rise of Floor

6"

## Number and Description of Decks for Register Book

Shelter deck + 1 deck steel.

## Number of Decks under Freeboard Deck

" " above " " 1

## Heights of 'Tween Decks

7'-2"

## Particulars of Superstructures

Shelter deck steel with tonnage opening.  
called "Bridge + Fole" in later plans.

## Distance between Bulkheads of Superstructures

## Freeboard Ratios of Superstructures

## Watertight Bulkheads.—State Number of Frame and Deck to which each Bulkhead extends

Bulkhead, Frame No.	extends to	Deck.	Bulkhead, Frame No.	extends to	Deck.
Fore Peak	54	" upper	No. 8	"	"
No. 1	51	"	" 9	"	"
" 2	19	"	" 10	"	"
" 3	"	"	" 11	"	"
" 4	"	"	" 12	"	"
" 5	"	"	" 13	"	"
" 6	"	"	" 14	"	"
" 7	"	"	After Peak	4	" upper.

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## PARTICULARS—Continued.

State which Bulkheads enclose Machinery Space

1102 + A.P.

State Number of Bulkheads to be recorded as effective

4

Number and Length of effective Watertight Compartments beginning Forward

1 FORE PEAK.

2. FEED TANK. 5'-3"

3. CARGO HOLD. 56'-0"

4. MOTOR ROOM. 26'-3"

5. AFT PEAK.

Number of Non-Watertight Bulkheads

Double Bottom

Extends from Frame

9

to Frame

19

Length and Capacity of Tanks—

No. 1 17'-6" Feet 12.5 O.F. Tons

" 2 " " "

" 3 " " "

" 4 " " "

" 5 " " "

" 6 " " "

" 7 " " "

" 8 " " "

" 9 " " "

" 10 " " "

Fore Peak Feet 16 Tons

Aft Peak 20 Tons

Deep Tanks 5.25 " 22 "

Oil Bunkers " " "

Particulars of Oil Fuel Tanks in Double Bottom.

State where Centre Girder Watertight

## GENERAL

In the case of **Steel Ships** state particulars of Parts where Iron is usedIn the case of **Wood Ships** state particulars of Wood used in different partsIn the case of **Reinforced Concrete Ships** state particulars of Concrete used in different parts and also Nature and Quality of ReinforcementState, to the best of your knowledge, whether the Materials used have been tested, and are in accordance with the Rule requirements *Yes.*

Give particulars of all Tests carried out under your supervision or date of your Report thereon

Rivets tested at various dates

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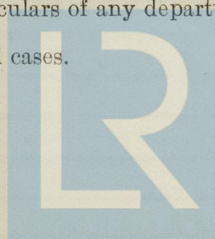
## PARTICULARS OF SCANTLINGS, ETC.

Where it is subsequently stated in this report that any portion of the structure is in accordance with approved Plans, and particulars are therefore not detailed, the name of plan and date of approval are to be entered in the appropriate place.

All differences from approved Plans and/or the Rules are to be recorded in this report, together with any necessary explanatory Sketches.

Where no detailed approved Plan is on record, full particulars of Scantlings, Construction and Riveting are to be reported, in conjunction with such Sketches as are necessary for clearness.

Where riveting is in exact accordance with the approved Plans and/or Rules this is to be stated in each case, and particulars of any departure therefrom are to be detailed in all cases.



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## KEELS, STEMS, STERN FRAMES, AND RUDDERS.

State particulars, which do not appear on approved Plans, of Dimensions; Scarphs of Bar Keels; Stems; Stern Frames; Butts of Flat Plate Keels; Connections at Heel of Stems and Stern Frames to Hull; Rudder Stocks, Couplings, Pintles, Gudgeons, Rudder Arms, Riveting; and whether forged or cast; Arrangement and Scantlings of Spectacle Bossing or Propeller Brackets and state material.

State whether particulars not given are in accordance with approved Plans *yes.*

State name of approved Plans and date of approval.

*Wedship Section. (1) 2.3.29*

*Shell Expansion (8) 7.5.29*

*Rudder & Sternpost (5) 3.4.29.*

*Centre Side Keelson (13) Reference*



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## DOUBLE BOTTOM.

State particulars, which do not appear on approved Plans, of Scantlings and Riveting, illustrated by Sketches of Construction, of Centre Girders Amidships, at Ends, and under Boilers and Engines; End Connections; Manholes in Centre Girder and Compensation where fitted; Centre Girder where watertight; Scantlings, &c., of Solid Floors; Frames and Reverse Frames on Solid Floors; Stiffeners on Tank End Floors; Open Floors, extent and spacing; Open Floor Frames, Reverses, Struts, and Brackets; Tank Top Plating, Butts, and Seams; Sheathing; Margin Plates; Margin Brackets to hold Frames; Connection to Tank Margin and Frames; Gussets; Intercostal Girders, amidships, under Engines, Thrust, Boilers, and Boiler Bearers; Arrangement and Spacing at Ends; Engine and Thrust Seatings; Stiffening under Wide Spaced Pillars and Air Pipes in each Compartment of Double Bottom.

State whether particulars not given are in accordance with approved Plans.

State name of approved Plans and date of approval.

		Date.	Surveyor's Initial.
No. 1 Compartment	<i>E.R.</i> (forward) tested and found satisfactory	<i>2.8.29</i>	<i>W.L.</i>
" 2	" "		
" 3	" "		
" 4	" "		
" 5	" "		
" 6	" "		

## DOUBLE BOTTOM—Continued.

*Midships Section (1) 2.3.29*

*Engine Seating (3) 28.3.29*

*Centre & Side Keelsons (13) Reference*

*For Air Pipes see Engine Bag.  
Pumping Plan (24) 27.4.29.*

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## HOLD FRAMES AND REVERSE FRAMES.

State particulars, which do not appear on approved Plans, of Framing in Fore Peak; forward  $\frac{1}{3}$  length or

Fore Hold;  $\frac{1}{3}$  to  $\frac{2}{3}$  length forward or 2nd Hold; 3rd Hold; Amidships; Bunkers; Boiler Space; Engine

Space; Deep Tanks; After Holds; Tunnel Flats; After Peak; also Connections at Head and Heel.

State whether Particulars not given are in accordance with approved Plans. *reference Yes.*

State name of approved Plans and date of approval.

*Midships Section (1) 2.3.29.*

*Profile & Decks (2) 2.3.29.*

*Framing Profile (14) reference*



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# 'TWEEN DECK FRAMING.

State particulars, which do not appear on approved Plans, of Framing in various 'Tween Decks.

State whether particulars not given are in accordance with approved Plans.

State name of approved Plans and date of approval.

*Midships Section (1) 2.3.29*  
*Profile + Decks. (2) 2.3.29.*  
*Framing Profile (14) reference*



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## WEB FRAMES AND SIDE STRINGERS.

State particulars, which do not appear on approved Plans, of Scantlings ; Spacing ; Attachments at Head and Heel ; Reverse Frames ; Ends of Side Stringers ; Beams at Heads of Web Frames.

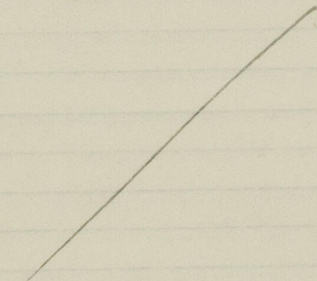
State whether particulars not given are in accordance with approved Plans.

State name of approved Plans and date of approval.

*Shedder Section (1) 237*

*Shedder Section (2) 237*

*Shedder Section (3) 237*



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Continued SINGLE BOTTOMS.

State particulars, which do not appear on approved Plans, of Floors, Frames, Reverse Frames, Side Girders,

Engine and Thrust Seats, Boiler Bearers, End Floors, Bossing, and Transom Floors.

State whether particulars not given are in accordance with approved Plans. *+ reference Yes.*

State name of approved Plans and date of approval.

*Midships Section (1) 2.3.29.*

*Centre & Side Keelsons (13) Reference*



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## SINGLE BEAMS. CONTINUED

State particulars, which do not appear on approved Plans, of Spacing and Scantlings of Beams, Half Beams, Beam Knees and Lug Connections to Girders and Hatch Coamings on all Decks; Beams of Deep Tank Tops, Tunnel Tops, Bulkhead Recesses, Open Decks, Transom Beams, Wide Spaced Hold Beams, and Strong Beams in Machinery Space.

State whether particulars not given are in accordance with approved Plans. <sup>reference</sup> *yes.*

State name of approved Plans and date of approval.

Profile & Decks. (2) 2.3.29.

Alteration to U.D. at Machinery Space (7) 14.4.29.

Rear. Shelter dk. beams. (9) 9.5.29.

upper deck (15) reference

Bridge & Forecastle dk. (16) reference.



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## HOLD KEELSONS AND STRINGERS.

State particulars, which do not appear on approved Plans, of Side Keelsons, Scantlings and Spacing Amidships, E. & B. Space, and Forward, and Connections to Floor Plates; Side Stringers, Scantlings, Extent, Spacing; Butts of Continuous Side Keelsons and Side Stringers; Connections to Bulkheads; Hold Stringers, Scantlings, and End Connections.

State whether particulars not given are in accordance with approved Plans. *+ reference*

State name of approved Plans and date of approval. *Yes.*

*Midships Section (1) 2.3.29.*

*Centre & Side Keelsons (13) reference*



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# STANCHIONS, PILLARS, AND GIRDERS.

State particulars, which do not appear on approved Plans, of number of Rows of Stanchions and where fitted; distance out from Centre Line of Girders or Runners; Spacing, Type, and General Scantlings of Stanchions, Pillars and Girders; Attachment at Heads and Heels of Stanchions and Pillars; Pillars in Engine Room; Attachment of Girders to Bulkheads and at Hatch Corners, Supports under Bulkhead Recesses and Deep Tanks; Supports at ends and corners of Deckhouses and Erections; extent and details of Longitudinal Cargo Divisions.

State whether particulars not given are in accordance with approved Plans. *Yes*

State name of approved Plans and date of approval.

*Profile + decks (2) 2.3.29.*



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## WATERTIGHT BULKHEADS

State particulars, which do not appear on approved Plans, of Watertight Bulkheads as given on page 3;

Webs in 'Tween Decks above Bulkheads; Attachments; Sluice Valves and Cocks.

State whether particulars not given are in accordance with approved Plans. *Yes.*

State name of approved Plans and date of approval.

(See also page 4 )

*W.T. Bulkheads (6)*

*5.4.29*



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## WATERTIGHT DOORS.

State particulars, which do not appear on approved Plans, of Watertight Doors, where situated, Type,

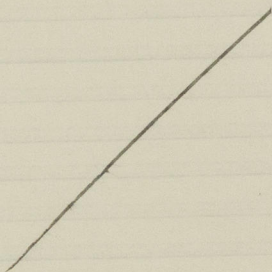
where controlled from, Makers, Buttresses at Sides of Doors; particulars of Testing.

State whether particulars not given are in accordance with approved Plans.

State name of approved Plans and date of approval.

(See also page 4.)

W.T. Buttress (C) 1847



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## WATERTIGHT BULKHEADS—TESTING.

State particulars and dates of tests of Watertight Bulkheads.

FORE PEAK. 54.	With F.P. pressed 30.7.29 (A.R.B.)
51	With Feed Tank pressed 2.8.29 <i>Inf.</i>
19.	Hosed 5.8.29 <i>Inf.</i>
AFT PEAK. 4	With A.P. pressed 2.8.29 <i>Inf.</i>



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## PANTING ARRANGEMENTS.

State particulars, which do not appear on approved Plans, illustrated by Sketches of construction, of Scantling

Arrangements, Heights of End Floors; Panting Beams and Stringers; Breast Hooks; Pillars; Shell Lugs

on Stringers and Flats in Peaks; Attachments of Stiffeners and Framing to Stringers.

State whether particulars not given are in accordance with approved Plans. *+ reference Yes*

State name of approved Plans and date of approval.

*Profile & Decks. (2) 2.3.29*

*Framing Profile (14) Reference*



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## SHELL PLATING.

State particulars, which do not appear on approved Plans, of number of Strakes of Plating, average Length and Width Amidships; Thickness of Side Plating Amidships and at Ends; Bottom Plating Amidships, Ends, and Flat of Floor Forward; End Connections; Seam Connections; Construction at Breaks of Erections; Compensation in way of Cargo Doors, Sidelights and other Openings; Doublings where fitted; Forefoot Plate, After Hood Plating, Boss Plating; Sheerstrakes, Topside Plating, Garboard Strakes with Bar Keels; Gunwale Angles and Mouldings.

State whether particulars not given are in accordance with approved Plans. *Yes*

State name of approved Plans and date of approval.

*Midship Section (I) 23.29*

*Shell Expansion (8) 7.5.29*

*Garway Doors (II) 24.5.29*



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## DECKS.

State particulars, which do not appear on approved Plans, of which Decks are Weather Decks, Freeboard Decks, Second, Third, &c., and Platform Decks; Scantlings of Plating and Areas in square inches of Plating abreast Machinery Openings, Hatches Amidships and at Ends; Stringer Plates Amidships and at Ends; End Connections and Seam Riveting in each case; Doublings at Hatch Corners; Size of Corner Angles; Wood Sheathing and Deck Compositions; Watertight Cement Chocks on Freeboard Deck, whether Chocks are fitted in other Decks, and particulars of all Chocks fitted in each Deck and Flat; Rusted Iron Chocks, W.T. Collars, Coaming Angles and Mast Collars; Riveting of Coaming Angles, Gutter Angles, Chock Angles, and particulars of Water Testing of Decks.

State whether particulars not given are in accordance with approved Plans. *reference*

State name of approved Plans and date of approval.

*Profile & Decks (2) 2.3.29.*

*Alteration to Upper dk. at Machy Space (7) 14.4.29*

*Reass. Shelter dk. beams (9) 9.5.29.*

*Upper deck (15) reference*

*Bridge & Aile decks (16) reference*



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## CEILING AND SPARRING.

State particulars, which do not appear on approved Plans, of Close Ceiling and how fastened in Holds and Bunkers; if Tank Top Ceiled where Double Bottom is used for Oil Fuel; Sparring and how fastened in Holds, Tween Decks; Manhole Covers, and Protection.

State whether particulars not given are in accordance with approved Plans.

State name of approved Plans and date of approval.

Ceiling 2½" W.P. bolted

Close Sparring 1½" W.P. Tongued & grooved  
in Hold & Tween dks.

Manhole covers in After Room Oiltight patent.

## SUPERSTRUCTURES.

State particulars, which do not appear on approved Plans, of 1st Superstructure  $\frac{\text{Length}}{\text{Length of Ship}} =$  ;  
2nd Superstructure  $\frac{\text{Length}}{\text{Length of Ship}} =$  ; illustrate by Sketches of Cross Section through

Superstructures; Coaming and Top Angles; Plating Amidships, at Ends; Riveting of Seams; Doublings at Windows and Doorways; Top Plating; Stiffening; Beams; Web Plates and Partial Bulkheads;

Breaks in continuity; and Bulkheads at End of Erections on Freeboard Deck.

State whether particulars not given are in accordance with approved Plans. <sup>+ reference</sup> Yes.

State name of approved Plans and date of approval.

Midships Section (1) 2.3.29.

Profile & dks. (2) 2.3.29.

Bridge & Fore dks. (16) reference

W. T. Bulkheads (6) 5.4.29.



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## HATCHWAYS AND OTHER DECK OPENINGS.

State particulars, which do not appear on approved Plans, of Dimensions of Openings in different Decks; Scantlings of Coamings; Coaming Angles; Side Stiffeners; Stays; Spacing and Scantlings of Hatch Webs; Hatch Covers; Details of Hatch Corner Construction; Mast Openings; Engine and Boiler Openings, and Casings and Companion Ways.

State whether particulars not given are in accordance with approved Plans.

*+ reference  
yes.*

State name of approved Plans and date of approval.

*Profile + decks. (2) 2.3.29.*

*M/d's hull Section (1) 2.3.29.*

*Upper deck (15) reference*

*Bridge + fore dks. (16) reference*



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# MACHINERY SPACE AND TUNNEL

State particulars, which do not appear on approved Plans, of Through Beams and Stanchions in Machinery Space; Engine Seating; Thrust Seating; Boiler Stools; Thrust Stools; Bossing Arrangements; ~~Seantlings of Stiffeners; Plating and Coaming Angles of Tunnels and Tunnel Recesses; Escape Hatches; Stiffening of Tunnels under Stanchions; and particulars and dates of Water Testing Tunnels.~~

State whether particulars not given are in accordance with approved Plans.

State name of approved Plans and date of approval.

*Profile & Decks. (2) 2.3.29*

*Engine Seating (3) 28.3.29*

*Boiler Stools (2) reference*



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# RIVETING AND CAULKING.

to rule

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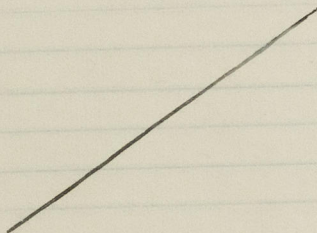
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## ELECTRIC WELDING.

State particulars of Electrodes, Manufacturers, Voltage, Amperage, sizes of Electrodes, arrangements for skilled supervision of work in the Yard; Particulars of Hammer and other Tests, including Samples of work in Yard.

Portions of Structure where Electric Welding used, Thickness of Material Welded, Size and Types of Welds, Angles of Edges and Clearance of Base in Butt Welds, Depth and Width of Lap Welds, and Connections of Plates and Bars.



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## BULWARKS, PORTS, SCUPPERS, ETC.

State particulars, which do not appear on approved Plans, of Length and Height of Bulwarks; Freeing Port Area; Construction of Freeing Ports; Details of Gangway Doors, Scuppers from Watertight Decks; Soil Pipe Elbows below Freeboard Deck.

State whether particulars not given are in accordance with approved Plans.

State name of approved Plans and date of approval.

*Shell Expansion (8) 7.5.29*

*Gangway Doors (11) 24.5.29.*

## BULWARKS, PORTS, SCUPPERS, ETC.—Continued.

*Find. Two sh. scuppers 4" x 5" G.M. with N.R. Valve.*

*Soil pipe elbow to rule.*



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# VENTILATORS AND SIDE SCUTTLES.

State particulars, which do not appear on approved Plans, of Coaming Heights; Thicknesses; Deck Connections of Hold Ventilators on Weather Portions of Freeboard Decks; Bridge Decks; Forecastle and Poop Decks; Ventilators to Holds ~~and Tunnels~~; and Side Scuttles in ~~Tween Decks~~.

State whether particulars not given are in accordance with approved Plans.

State name of approved Plans and date of approval.

*Coamings on Shelter deck F.A. 3'-0" above steel.*

*12' dia x .35      3½ x 3½ x 40 dr. angles.*

*18" " x .40      3½ x 3½ x .44 " "*

*2 - 12" Corb. wnts to hold.*

*4 - 18" " " to Tween drs.*



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## PUMPING ARRANGEMENTS.

State particulars, which do not appear on approved Plans, of Hand Pumps or Power Pumps and from which Deck they are operated; Hand Pump to Fore Peak, Drain Boxes and Tank Tops; Sounding Pipes,

Testing of Pumps.

Are the Chambers of the Plunger Pumps Copper? *Yes.*

Is a Plate fitted under the Lower End of each Sounding Pipe? *Yes.*

Are Pump Chambers, Tail Pipes, and Rods protected by substantial Casings? *Yes.*

State whether particulars not given are in accordance with approved Plans.

State name of approved Plans and date of approval.

*Engineers Bag Plan No. 24 -*

*Pumping Plan 27.4.29.*

## CEMENTING AND PAINTING.

State if and where Portland Cement is used and how it is applied.

State particulars and Composition of Cement, Cement Wash, Paint, or Bitumastic, in Tanks and elsewhere.

*Portland Cement + F.W. Sand.*

*Bottom inside in hold cemented from keel to tail end of floors.*

*Floors etc. bitumastic solution.*

*Above floors to upper deck - bitumastic solution.*

*Underside of upper dk. in hold - bitumastic solution.*

*Structures tested 12.9.29. (R.L.G.)*



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# MASTS, SPARS, AND RIGGING.

**Steam Vessels.**—State particulars, which do not appear on approved Plans, as to Heights, Diameters, and Scantlings of Masts; Derrick Loads and Outreaches; Scantlings and arrangements of Derrick Tables and Outriggers.

**Sailing Vessels.**—The same particulars as for Steam Vessels, where applicable, also particulars of Rigging, details of Canvas and Sall Area.

State whether particulars not given are in accordance with <sup>reference</sup> approved Plans. *Ys.*

State name of approved Plans and date of approval.

*Mast & Derrick Gear (17) reference*



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## MASTED STEAM EQUIPMENT. CONTINUED

State Equipment Numbers and corresponding Letter for Register Book.

**Chain Cables, Stream Chains, Wires, &c.**—State particulars of number of Certificates, where and when Tested, Length, Size, Weight, and Maker's Name.

**Anchors.**—State number of Certificates, where and when Tested, Weight of Head Shank and Stock, and Maker's Name and Type of Anchor.

**Steering Gear.**—State Diameter of Steering Chains and Rods; Diameter and Scantlings of Quadrant; Diameters of Quarter and Leading Blocks; Type and Maker's Name of Gear.

**Windlass and Capstan.**—State particulars of Type and Maker's Name and if satisfactory under trial. *Yd (R.L.G.)*

**Winches.**—State Number, Size, and Type fitted.

**Lifeboats.**—Number and Dimensions.

*For cables & anchors see O.R.D.*

Steering Gear *Made by Fisher, Paisley Paisley*  
Chains  $\frac{1}{2}$ " Rod  $\frac{3}{8}$ " Rod  
Quarter & leading blocks 8 pitch 12 inch.

Windlass *Clarke Chapman No 2 H.T. A.T.*  
*See Single purchase direct grip 8" 9" 8" 9"*

Capstan *Clarke Chapman 4 1/2 x 16 x 6*  
*Double purchase wheel & spur gear steam*  
*winch steam winding — fitted aft.*

Winches *Clarke Chapman 7 x 10 steam*

Boats *2 x 16 x 5.75 x 2.3*

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# DEEP TANKS, OIL TANKS, AND OIL BUNKERS.

State particulars, which do not appear on approved Plans, of Position and Arrangement; Scantlings of Plating, Stiffeners, Deck Girders, Wash Bulkheads and Plates; Top Plating; Frame Connections; Means to prevent Overloading; Height of Filling, Air and Sounding Pipes; in the case of **Oil Tanks**, give Density and Flash Points of Oils; Arrangements of Expansion Trunks, Cofferdams, and details of Ventilation; state particulars of Packing used.

State Arrangements of Pump Rooms, means of keeping Low Flash Point Oil separate from other Oil, and provisions made where Low Flash Point Oils are used for Oil Fuel.

State whether particulars not given are in accordance with approved Plans.

State name of approved Plans and date of approval.

*Profile & dks. (2) 1.3.29*

*A.T. Bulkheads (6) 5.4.29*



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## DEEP TANKS, OIL TANKS, AND OIL BUNKERS—Continued.

No.		Test Head above Top of Tank.	Deflection at Full Tank.	Deflection with Test Head.	Date.	Initials.
No. 1	Tank, Port, Tested and found satisfactory.					
	" Starb'd, "					
2	" Port, "					
	" Starb'd, "					
3	" Port, "					
	" Starb'd, "					
4	" Port, "					
	" Starb'd, "					
5	" Port, "					
	" Starb'd, "					
6	" Port, "					
	" Starb'd, "					
7	" Port, "					
	" Starb'd, "					
8	" Port, "					
	" Starb'd, "					
9	" Port, "					
	" Starb'd, "					
10	" Port, "					
	" Starb'd, "					
11	" Port, "					
	" Starb'd, "					
12	" Port, "					
	" Starb'd, "					

FEED TANK FR. 51-54, 2-8-29 *Ref.*



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## SURVEYORS' NOTES.

Give dates of visits also notes of any occurrence of which a record should be kept.

- 21.2.29  
 7.3.29  
 13.3.29  
 20.3.29 *Keel Leak (ARB) work done*  
 26.3.29  
 29.3.29  
 3.4.29  
 5.4.29  
 10.4.29  
 16.4.29  
 19.4.29  
 23.4.29  
 29.4.29  
 3.5.29  
 9.5.29  
 14.5.29  
 17.5.29  
 21.5.29  
 23.5.29  
 27.5.29  
 31.5.29  
 3.6.29  
 6.6.29  
 10.6.29  
 14.6.29  
 20.6.29  
 3.7.29  
 10.7.29  
 2.8.29 *Feed Tank, E.R. Tank & A.P. Tank pressed. Checked Mid. Depth.*  
 5.8.29 *Hosed Bld. 19. Checked freeboard*  
 30.7.29 *Fire Peak pressed. Anchors & Cables (ARB)*

## SURVEYORS' NOTES—Continued.

Launched 8.8.29.

12.8.29.

16.8.29

19.8.29 Upper deck hosed (A.R.B.) + Shelter Dec.

29.8.29

10.9.29

TRIAL 18.9.29 (R.L.G.)

12.9.29 Pumping Tests (R.L.G.)



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## FREEBOARD PARTICULARS.

Registered Length *105.85'* Breadth *26.1'* Depth *8.55'*  
 Length on L.W.L. *105'* Beam at Gunwale Amidships *26'*  
 Moulded Depth as measured in Ship *9'-6"*  
 Round of Beam *6½"* Rise of Floor *6"*  
 Sheer at Stem *3'-0½"* Sheer at Sternpost *1'-6½"*  
 "  $\frac{1}{4}$  from Stem *1'-8¼"* "  $\frac{1}{4}$  from Sternpost *10½"*

Particulars of Sheer in Decks which are not parallel to Freeboard Deck —

Fall in Sheer — Thickness of Wood Deck —

Extent of Wood Deck —

Thickness of Sparring *1½" close.*

Drop in Tank level —

Modifications in D.B. affecting Coef. (see Sketch)

Particulars of Erections (see Sketch)

	Length	Length of Overhang (Recesses, &c.)	Height
Forecastle,	<i>38'-1½"</i>		<i>7'-2"</i>

Poop or R.Q.D.

*Well 10'-6"*

Bridge

*56'-4½"*  
*105'-0"*

Scantlings of Bulkheads of Erections

*.18 top stake - 26 bot. stake.*

*Stops. 2½ × 2½ × .25 O.A. @ 28"*

Openings in Bulkheads of Erections and Means of Closing same

*No openings.*

Are the Engine and Boiler Openings covered by the Poop or R.Q.D. and enclosed by a strong Iron or Steel

House?

*Yes.*

Give Number, Size, and Area of Freeing Ports in Wells *None*

*2- 3½" puffers ea. side, discharge overboard.*

## FREEBOARD PARTICULARS—Continued.

Displacement in Salt Water *430* Tons per inch *5*  
 Tonnage under *upper* Deck *158.69.*

Means of making Freeboard Deck watertight in erections where Frames pass through

*Cement checks*

Freeboard assigned by the Committee, as per letter issued by Secretary dated *3/8/29*

From Top of Statutory Deck Line to Centre of Disc *7"*

Fresh Water Line above Centre of Disc *2"*

Indian Summer " " *—*

Winter Line below Centre of Disc *1½"*

W.N.A. " " *—*

Statutory Deck Line *1* ins. above Top of ~~Wood~~/Iron *upper* Deck at Side

Freeboard marks verified *5/8/29*

Freeboard as arranged above subject to :—



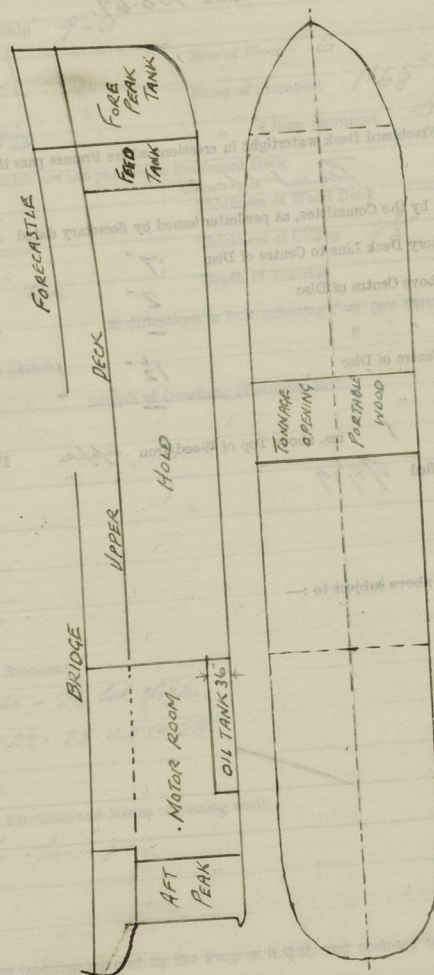
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# FREEBOARD PARTICULARS—Continued.

Elevation and Plan Sketches showing Lengths and Arrangements of Erections, Length, Heights and variations of Double Bottom, Peak Tanks, Protection of Openings in Bulkheads.



We have satisfied ourselves, from personal examination, that this Vessel has been built in accordance with the approved Plans and the Rule requirements, or their equivalent, that the materials used in the construction of the Hull and Equipment are in accordance with the Rules, and that the workmanship is in every respect satisfactory.

*W. MacArthur*

Surveyors to the British Corporation for the  
Survey and Registry of Shipping.

It is submitted that this Report be approved.

*J. L. Adams*  
Chief Surveyor

GLASGOW,  
Assistant Chief Surveyor

Amount of Classification Fee for Hull

- „ Boilers (see Machinery Report)
- „ Engines
- „ Donkey Boilers

Freeboard Fees

Special Fees

Total Fee

Fees advised

Fees paid

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*Robert Stewart*  
Lloyd's Register  
Foundation  
Secretary



## COMMITTEE'S MINUTE.

Approved by the Committee for the Class of *B.S.\** on the *30<sup>th</sup> October 1929* (With *Freiboard*)

*Robert Murray*

Secretary.



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