

RECEIVED

Rpt. 1

18 NOV 1949

STEEL STEAMER OR MOTORSHIP.

Received at London Office 10 NOV 1949

IN D.O. **B.C.**

State if Report has been sent on the Freeboard of the Vessel **Yes.**

State if Report is sent on the Machinery of the Vessel **Yes.**

Date of completion of report **Sept. 19. 1949.** Port of **GLASGOW.** No. **74651**

Survey held at **GRANGEMOUTH** Date First Survey **23.9.48.** Last Survey **19.9.1949.**

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **STEEL SINGLE SCREW STEAMSHIP "RHINELAND" EX SCHWAN. EX. WELTON WOLD.**

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENING.** State Type of Erections **SUPERIMPOSED FORECASTLE & BRIDGE.**

TONNAGE under Tonnage Deck ... **860.07.**

Do. of space or spaces between Tonnage Dk. Upper Dk. ...

nage **1223.39.**

onnage **532.21.**

STERED DIMENSIONS.

FEET

250.75.

38.60.

12.30.

CLASS **B.S.**

State if with freeboard as condition of Class **YES**

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) **243.68.**

Breadth (greatest moulded) **B 38.38**

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 15.09.**

1st Longitudinal Number (L x D) ...

2nd Numeral L x (B + D) ...

Framing Depth "d," at middle of length. See Sec. 3 (1d) ...

Proportions—Depth to Length—Uppermost continuous deck to top of keel ...

Do. Long Bridge to top of keel ...

Draught Moulded **MAX. DRAUGHT IN SW. 15' 0 1/2"**

Built at **HOWALDTSWERKE HAMBURG.**

Launched **BUILT. 1938.** Yard No. **772.**

Builders **HOWALDTSWERKE A.G.**

Owners **CURRIE LINE LTD.**

Managers **(Where necessary to be entered in Reg. Book)**

Residence **TRINITY COTTAGE GOLDENACRE, LEITH.**

Port of Registry **LEITH.**

If surveyed while building, afloat, or in dry dock

AFLOAT AND IN DRY DOCK. D.D. 23.9.48/10.48-10.11.48/10.11.49-10.11.49/10.11.49

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
ES, Spacing amidships.....	24.4 = 620" = 2.034'		Bracket Floors, Frame ...	BULD. PLATE 6 1/4 5 1/16	
from 1/2 length amidships to Collision bulkhead.....	24.4		" " Reversed Frame... B.P.	5 1/2 5 1/16	3/8 IN. B.R.
in peaks	23.6		" " Vertical Struts ... B.P.	4 3/4 5 1/16	3/8 IN. B.R.
FRAMING.			Centre Girder, depth and thickness amidships	31 1/2 3/8	7/16 IN. B.R.
Amidships, Angle, E or C	6" 3" 5 1/16		" " top Angles		WELDED DIRECT TO T.T. & KEEL.
Extends up to	SHELTER DK.		" " bottom Angles.....		
sed Frame Amidships, Angle	—		Side Girders, No. each side and thickness	19.15. 5 1/16	WELDED. T.T. & SHELL
Extends up to	—		Margin Plate depth (excl. of flange) and thickness	27 1/2 5 1/16	WELDED DIRECT.
of Framing Girder.....	—		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	2 1/2 5 1/16	FLAT BAR.
es in Uppermost Continuous 'tween Decks, Angle, E or C	6" 3" 5 1/16		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		T.T. EXTENDS TO SHELL.
" Second 'tween Decks, Angle, C or E	—		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	5 1/16	3/8 IN. B.R. EVERY 2ND FRAME.
" Third " " " "	—		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	—	
from 1/2 len. for'd. to 15% len. from Stem	ICE STIFFENED: SEE PROFILE & DKS. 6" x 3" x 30 INTER. 7" x 3" x 5 1/16 8" x 3" x 3/8, MAIN FRS.		Tank Side Brackets, height above base line at toe of Frame and thickness	35.5 5 1/16 - 3/8	IN. B.R.
in Peaks, Angle or C	6" 3" 30 INTER. FORD.		INNER BOTTOM PLATING.		
ter and Spacing of Rivets through Frame and Shell Plating amidships	3 1/4 5"		Breadth and thickness of Middle Line Strake...	4" 34	
Frame Joggled.....	No.		Thickness of remainder in Holds	5 1/16	
scantlings and arrangements in the ing Area in accordance with the Rules or as approved?	AS APPROVED.		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	50 IN. B.R. 33 IN E.R.	
scantlings and arrangements in way e Bottom Forward in accordance with Rules and/or as approved?	AS APPROVED.		BEAMS.		
E BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or C	6" 3" 5 1/16	1/2 BEAM 4" x 2 1/2
s, Depth and thickness at mid-line in Holds.....			" " in way of Bridge, Angle, E or C	6" 3" 5 1/16	
Height of Brackets at side above base line at toe of frame.....			Spacing	24.4"	
Line Keelson, on Floors, Angles, C or E			Second Deck, amidships, Angle, E or C	7" 3" 3/8	1/2 BEAM 5" x 2 1/2
" " Through Plate or Inter-costal Plate			Spacing	24.4"	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, C or E		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side.....			Fourth Deck, amidships, Angle, C or E		
" " thickness of Inter-costal Plate.....			Spacing		
" " Angles			Poop Deck, Angle, C or E		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	30 24.4"		Bridge Deck, Angle, E or C	4 1/2 2" 9/32	
" " Are Frame and Reversed Frame joggled?	No. Floors WELDED DIRECT		Spacing	24.4"	
Bracket Floors, breadth and thickness at middle line	24 1/2 5 1/16	3/8 IN. B.R.	T'GALLANT.		
" " breadth and thickness at margin plate.....	24 1/2 5 1/16	3/8 IN. B.R.	Forecastle Deck, Angle, E or C	6" 3" 5 1/16	
			Spacing	23 1/2	

(MADE IN ENGLAND.)

07647-002652-0151 1/2

PILLARS AND DECKS.

PILLARS, No. of Rows	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	Stringer Plate, breadth and thickness in way of Bridge
10 ft. at Hatch Ends.	16"	No 1 & 2 aft end. No 2 fore end.	74" x 31" EXCEPT AT TRIMMING HATCH
in 'tween Decks, Size and Spacing	8" square	No 1 fore end.	31" x 28" AT TRIMMING HATCH
in Holds	8" square	No 1 & 2 aft end. No 2 fore end. No 1 fore end.	78" x 28" ABBREAST B.R. CASE
Centre Line Bulkhead. Stiffeners and Spacing	10" x 40"	No 3 fore end.	Third Deck. Stringer Plate, breadth and thickness
Plating, thickness of			If Plated, state thickness
Stringers and Decks. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in way of Wells	74" x 33" x 31"		Fourth Deck. Stringer Plate, breadth and thickness
Angle in Wells	0.5 L = 3 1/2 3 1/2 3 1/2		If Plated, state thickness
Thickness of Plating abreast Deck openings in way of Wells	30 F + 30 A		Poop Deck. Stringer Plate, breadth and thickness
Thickness of Plating abreast Deck openings in way of Bridge	30		Plating, Sheathing, material and thickness
Thickness of Plating within line of openings	28		Bridge Deck. Stringer Plate, breadth and thickness
If Sheathed, material and thickness			Plating, Sheathing, material and thickness
Second Deck. Stringer Plate, breadth and thickness in Wells	74" x 31"		Forecastle Deck. Stringer Plate, breadth and thickness
			Plating, Sheathing, material and thickness

SHELL PLATING.

SCANTLINGS.				RIVETING.			
AS IN VESSEL.				EDGES.			
ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.				BUTTS.			
STRAKES.	AMIDSHIPS.	FORWARD.	AFT.	State if Joggled?	YES.	NO.	NO.
Flat Plate Keel	42 1/2"	57"	55"	DOUBLE.	2 3/8"	3 1/2"	
Bottom Plating, No. of Strakes	3	48	37	DOUBLE.	3 1/4"	3"	
Bilge Plating, No. of Strakes	2	45	35	DOUBLE.	3 1/4"	3"	
Side Plating, No. of Strakes	2	39	35	SINGLE.	3 1/4"	2 5/8"	
Upper Deck, Sheer-strake in Wells	42.	39	35	DOUBLE.	3 1/4"	3"	
Upper Deck, Sheer-strake in Bridge	42.	39	35	DOUBLE.	3 1/4"	3"	
Strake below Sheer-strake in Wells	42.	39	35	DOUBLE.	3 1/4"	3"	
Strake below Sheer-strake in Bridge	42.	39	35	DOUBLE.	3 1/4"	3"	
Poop Side Plating	34.			SINGLE.			
Bridge Side Plating	31.			SINGLE.			
Forecastle Side Plating	31.			SINGLE.			

WATERTIGHT BULKHEADS.

STIFFENERS.			
VERTICAL.			
HORIZONTAL.			
Total No. of W.T. BULKHEADS in Vessel	6	15 See letter	
Extending to Upper Deck (Sec. 3 c)	5	Deck next below	
As per Rule	4.		
MIDSHIP BULK'D, Upper 'tween decks	FR. 112.	25	4 x 27 B.P. 22 1/2"
Second			
Third	B.R. FR. 60.	37-25	6 1/2 x 35 B.P. 23"
Holds	FR. 30 1/2	37-31	7" x 38 B.P. 27"
COLLISION (in Hold)	FR. 12	31-28	8 1/2 x 35 B.P. 22 1/2"
AFTER PEAK	FR. 6.	37	7" x 38 B.P. 30"

FORGINGS AND CASTINGS.

Part	Material	Notes
KEEL	PLATE	
STEM	PLATE	
STERN FRAME	CASTING	CONTRA-FLOW
Speed of Vessel	11 KN.	
RUDDER Type	"STAR CONTRA" SEMI BALANCE	
A x D	152.	
Diam. of head coupling	6 3/4"	WITH BRASS BUSH
UPPER STOKER	FORGING	8 1/2" AT COUPLING
How constructed	WELDED	SEE PLAN.
double or single plate coupling, vertical or horizontal	DOUBLE PLATE	
	HORIZONTAL	4 BOLTS.

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

ANALYSIS OF STEEL CUT FROM SCRAP DECK PLATE: C = 0.15 S = 0.04 P = 0.017 Mn = 0.45 AL 0.1

ETCHINGS OF STEEL SELECTED AT RANDOM: 1. 16-3 BKG STRESS 28-7/8" 17-0 % EXT. ON 8" T 2. 13-6 " 26-5/8" 16-0 " " " T

Has the Steel been tested as required by the Rules? TEST PIECES

EQUIPMENT No. 627. LETTER ANCHORS.

Number of Certificate	Weight, Ex. Stock	Weight of Stock	Test, Per Certificate	Weight Required by Table 53	Description of Anchor	Makers	Where and when tested, and Superintendent
1st Bower	1658 KG.	MARKS ILLEGIBLE			STOCKLESS.		5.38
2nd	1640 KG.	CORDWELL 9756 STOCK 615827			DO.		6.38
3rd	1494 KG.	CORDWELL 571 STOCK - ILLEGIBLE			DO.		6.41
Collective weight	5192 KG.						
Stream	10 1/4	1 3/16	12 6 2 7	8.5	ADMITTY. PLAN IRON STOCKED	DEAL & SONS. CARDIFF. S. BOLTON.	

CHAIN CABLES.

Number of Certificate	Length and size supplied	Test per Certificate	Weight of Chain Cable	Length and size per Table 53	Description	Makers of Cables	Where and when tested, and Superintendent	Material	Length and size supplied	Test per Certificate	Weight of Chain Cable	Length and size per Table 53
3369	15 1/2	51.25 7.5	22 3 18	240	MS. 3/L	S. BOLTON. CHESTER.		105	3 1/2	105	3 1/2	
3370	15 1/2	" "	22 3 6	240	"	"		105	2 1/2	105	2 1/2	
3371	15 1/2	" "	22 3 18	240	"	"		105	2 1/2	105	2 1/2	
305 to 320 INC.	197.5	19.5	263	75	3/4	ORIGINAL G.L. CABLES / NO CERTS. / NO. FROM CABLES.		4090	6"	4090	6"	

HAWERS AND WARPS.

Number of Certificate	Length and size supplied	Test per Certificate	Weight of Chain Cable	Length and size per Table 53	Description	Makers of Cables	Where and when tested, and Superintendent	Material	Length and size supplied	Test per Certificate	Weight of Chain Cable	Length and size per Table 53
3369	15 1/2	51.25 7.5	22 3 18	240	MS. 3/L	S. BOLTON. CHESTER.		105	3 1/2	105	3 1/2	
3370	15 1/2	" "	22 3 6	240	"	"		105	2 1/2	105	2 1/2	
3371	15 1/2	" "	22 3 18	240	"	"		105	2 1/2	105	2 1/2	
305 to 320 INC.	197.5	19.5	263	75	3/4	ORIGINAL G.L. CABLES / NO CERTS. / NO. FROM CABLES.		4090	6"	4090	6"	

GENERAL DECLARATION.

It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel No.

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo No. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the notation).

THIS SHIP WAS BUILT IN 1938 UNDER SURVEY OF GERMANISCHER LLOYD AND IN CONFORMITY WITH PLANS APPROVED BY THAT SOCIETY. THE SHIP WAS EMPLOYED DURING THE WAR BY THE GERMAN GOVERNMENT ON MINE DETECTING DUTIES IN THE COURSE OF WHICH CERTAIN DAMAGES WERE SUSTAINED, PARTICULARS OF WHICH, AND REPAIRS HERETO BEING DETAILED ON RPT. 8. HEREWITH.

SPECIAL SURVEY TYPE 3 HAS BEEN CARRIED OUT AT THIS TIME, TOGETHER WITH STRUCTURAL ALTERATIONS AS APPROVED BY THE BRITISH CORPORATION REGISTER.

ON THE COMPLETION OF THE SPECIAL SURVEY AND REPAIRS THE BILGE & BALLAST PUMPING ARRANGEMENTS WERE OPERATED SATISFACTORILY UNDER WORKING CONDITIONS. THE WINDLASS AND STEERING GEAR (POWER & HAND) WERE OPERATED SATISFACTORILY DURING SEA TRIALS.

THE STANDARD OF WORKMANSHIP THROUGHOUT IS CONSIDERED SATISFACTORY.

Builder's Signature: _____

FORGINGS AND CASTINGS.

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Has the Steel been tested as required by the Rules? TEST PIECES

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

- SISTER SHIPS. — NONE KNOWN. THE FOLLOWING PLANS APPLICABLE TO THIS SHIP ARE FORWARDED HEREWITH:—
1. MIDSHIP SECTION.
 2. PROFILE & DECK.
 3. STERN FRAME.
 4. SHELL EXPANSION.
 5. BULKHEADS.
 6. BILGE & BALLAST.
 7. TYPICAL RUDDER & STERN FRAME.
 - 7A. PART PROFILE & DECKS. (NEW ARRANGT).
 8. MASTS & DERRICKS.
 9. F.W. TANKS, COAL SHUTE. ETC.
 10. NOS 3 & 4 MATCHES.
 11. MINOR BULKHEADS ETC.
 12. GENERAL ARRANGEMENT. (To follow)

Double Bottom aft: ft. 14-36 = 22 spaces @ 2.0341' = 44.75'
" " " 36-59 = 23 " @ " = 46.78'
" " " 59-112 = 53 " @ " = 107.81'
199.34 ✓

PARTICULARS OF ELECTRIC WELDING (if employed) SHELL & DECK PLATING BUTTS. FLOORS TO TANK TOP & SHELL MARGIN PLATE TO SHELL. D.B. INTER^{CLB} TO T.T. & SHELL. TANK TOP PLATING. HATCH COAMING BUTTS. HATCH BEAMS. MAIN GIRDERS UPPER & SHELTER DECK (BUTTS & RIDERS). CENTRE GIRDER TO T.T. & SHELL. BULKHEADS & STIFFENERS FORE & AFT CASINGS TO DECKS (OK. CONNECTION). MINOR FITTINGS ETC. CASING STIFFENERS.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book CRUISER STERN.—RAKED STEM.—TWO MAST AND STUMP MAST AFT.—2 DECKS STEEL (UPPER & SHELTER).—PART LLOYDS A.&C.P.—BULKHEADS—(1 TO WEATH 4 TO 2ND DECK).—PART ELECT. WELDED.—ICE STIFFENED.—SHELL PLATING JOGGLED—WIRELESS ES.D.—D/F.—"DECCA" NAVIGATOR.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 5.38 — 2nd " 5.38. — 3rd " 6.41 V.M. —
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PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 7.93 ft., R.Q.D. — ft., Bridge 225.75 ft., Forecastle 32. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated. — COMBINED POOP BRIDGE & FORECASTLE
Official No. 182698 Signal Letters M.D.D.Y. Extreme Breadth over Belting 38' 6 1/2" Over-all Length 263' 0" (Circ. 1611) (Circ. 1703)
No. and Material of Decks 1 STEEL DECK & SHELTER DECK.
Parts of Bottom of Vessel coated with cement or approved composition FORE & AFT PEAKS. CEMENT AT BOTTOM. D.B. TANKS LIGHTLY COATED WITH CEMENT AT BOTTOM. ALL CEMENT WASHED. BILGES. CEMENT FILLET AT MARGIN & CEMENT WASHED.
Particulars of composition (if fitted) and of approval —

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, See above	44' 10"	50.3.	Fore peak tank,	18' 1"	31.4
Double bottom, under Engines and Boilers, YES.	—	—	After peak tank,	17' 8"	15.0
Double bottom, if under Engines only,	24' 5"	40.5	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	18' 4"	30.0	Deep tank, forward,	—	—
Double bottom, forward, NO 1 & 2.	99' 8"	139.	Other tanks, if fitted, F.W. PES. IN TWEEN OK.	6' 1"	25.0
Total length (if continuous) and Capacity, NO 2A. FRESH WATER.	14' 3"	24.5.	(If necessary furnish further information by sketch.)		

Order for Special Survey No. —
Date —
Dates of Surveys held while building
Sept. 1948. 23. 30. Oct. 1948. 5. 14. 19. 29. Nov. 1948. 2. 9. 12. 16. 30. Dec. 1948. 2. 8. 16. 21. 23. 27.
Jan. 1949. 10. 14. Mar. 1949. 7. 11. 17. 22. 25. Apr. 1949. 1. 7. 13. 22. 26. 29. May 1949. 3. 6. 10. 13. 20.
June 1949. 7. 9. 15. 21. 24. 28. July 1949. 6. 13. 20. Aug 1949. 3. 5. 8. 9. 10. 11. 12. 15. 24. 29. Sept. 1949. —
Total No. of Visits —

