

Rpt. 1.

STEEL STEAMER or MOTORSHIP

Received at London Office SEP 21 1938

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

20.9.38

Port of GLASGOW

Survey held at GLASGOW

Date First Survey 27th Aug 1937

Last Survey 16th Sept 1938

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

SINGLE SCREW

"MANCHESTER PROGRESS"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

COMPLETE SUPERSTRUCTURE WITH TONNAGE OPENING AFT

State Type of Erections BRIDGE & FOULE ON SUPER DECK

TONNAGE under Tonnage Deck... 4939.44

CLASS * 100A1 WITH FREEBOARD State if with freeboard as condition of Class YES

Built at GLASGOW

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

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 428.0

Launched 28th JUNE 1938 Yard No. 51

Total 4939.44

Breadth (greatest moulded) B 56.67

Builders BLYTHSNOOD SHIPBUILDING CO. LD.

Gross Tonnage 5620.35

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 37.83

Owners MANCHESTER LINERS LD.

Register Tonnage 3343.20

1st Longitudinal Number (L x D) = 16191

Managers MANCHESTER LINERS HOUSE

REGISTERED DIMENSIONS. FEET.

Length 430.7

2nd Numeral L x (B + D) = 40446

Residence MANCHESTER LINERS HOUSE

Breadth 57.0

Framing Depth "d," at middle of length. See Sec. 3 (1d) 47.32 DE 16.63

Port of Registry MANCHESTER

Depth 27.0

Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.24

If surveyed while building, afloat, or in dry dock

Do. Long Bridge to top of keel 9.39

Draught Moulded 26'-3 1/2"

BUILDING, AFLOAT & DRY DOCK.

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.
FRAMES, Spacing amidships <u>FE 131 TO FE 151</u>	<u>32 1/2"</u>	<u>✓</u>	Bracket Floors, Frame		
" " from 3/4 length amidships to Collision Bulkhead	<u>27"</u>	<u>✓</u>	" " Reversed Frame		
" " in peaks	<u>21"</u>	<u>✓</u>	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<u>44 1/2"</u>	<u>55</u>
Frame Amidships, Angle, <u>E or C</u>	<u>11 3 1/2" 40</u>	<u>10 1/2 x 3 1/2 x 44</u>	" " top Angles	<u>3 1/2"</u>	<u>3 1/2" 49</u>
" " Extends up to <u>2ND DECK.</u>	<u>✓</u>	<u>✓</u>	" " bottom Angles	<u>5"</u>	<u>5" 55</u>
Reversed Frame Amidships, Angle <u>ON FE 41, 52, 114, 126 & 129</u>	<u>5 3 1/2" 40</u>	<u>✓</u>	Side Girders, No. each side and thickness	<u>1</u>	<u>4" 39</u>
" " Extends up to <u>UPPER DE.</u>	<u>✓</u>	<u>✓</u>	Margin Plate depth (excl. of flange) and thickness	<u>38 1/2"</u>	<u>55</u>
Depth of Framing Girder	<u>11"</u>	<u>✓</u>	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem <u>FRAME 138</u>	<u>4"</u>	<u>3 1/2" 47</u>
Frames in Uppermost Continuous 'tween Decks, Angle, <u>E or C</u>	<u>8 3 1/2" 38</u>	<u>IN WAY OF BRIDGE</u>	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area <u>FE FRAME 138</u>	<u>6 1/2"</u>	<u>6 1/2" 55</u>
" " Second 'tween Decks, Angle, <u>E or C</u>	<u>11 3 1/2" 40</u>	<u>10 1/2 x 3 1/2 x 44</u>	" " Gussets, spacing and scantling abaft 1/2 len. from stem	<u>4 1/2"</u>	<u>CONT. PLATE</u>
" " Third " " " "	<u>B.A.</u>	<u>✓</u>	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	<u>4 1/2"</u>	<u>"</u>
" " from 1/2 len. for'd. to 15% len. from Stem	<u>11 3 1/2" 56</u>	<u>✓</u>	Tank Side Brackets, height above base line at toe of Frame and thickness	<u>73</u>	<u>48 WHERE NO 3RD DE.</u>
" " in Peaks, Angle, <u>E or C</u>	<u>8 3 1/2" 38</u>	<u>✓</u>	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>7/8" 2 5/4"</u>	<u>✓</u>	Breadth and thickness of Middle Line Strake	<u>72</u>	<u>52</u>
State if Frame Joggled	<u>YES.</u>	<u>✓</u>	Thickness of remainder in Holds		<u>45</u>
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<u>AS APPROVED.</u>	<u>✓</u>	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? <u>YES.</u>	<u>55 45 & 53</u>	<u>59</u>
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<u>AS APPROVED.</u>	<u>✓</u>	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, <u>E or C</u>	<u>8 3 1/2" 47</u>	<u>✓ also see plan</u>
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, <u>E or C</u>	<u>8 3 1/2" 51</u>	<u>✓</u>
Height of Brackets at side above base line at toe of frame			Spacing	<u>EVERY FRAME.</u>	<u>✓</u>
Middle Line Keelson, on Floors, Angles, <u>C or E</u>			Second Deck, amidships, Angle, <u>E or C</u>	<u>9 3" 38</u>	<u>✓</u>
" " Through Plate or Intercoastal Plate			Spacing	<u>EVERY FRAME.</u>	<u>✓</u>
" " Foundation Plate on Floors			Third Deck, amidships, Angle, <u>E or C</u>	<u>9 3" 43</u>	<u>also see plan</u>
" " Flat Plate Keel Angles			Spacing	<u>EVERY FRAME.</u>	<u>✓</u>
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, <u>C or E</u>		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle, <u>C or E</u>		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	<u>41 EVERY FRAME.</u>	<u>✓</u>	Bridge Deck, Angle, <u>E or C</u>	<u>8 3" 46</u>	<u>✓</u>
" " Are Frame and Reversed Frame joggled?	<u>YES.</u>	<u>✓</u>	Spacing	<u>EVERY FRAME</u>	<u>✓</u>
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, <u>E or C</u>	<u>7 3" 38</u>	<u>✓</u>
" " breadth and thickness at margin plate			Spacing	<u>EVERY FRAME.</u>	<u>✓</u>

PILLARS AND DECKS.

	INCHES IN SHIP.				Any Departure from Approved Plans to be Noted.			INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows.....	CENTRE LINE BULKHEAD IN HOLDS							Stringer Plate, breadth and thickness in way of Bridge		✓ 49"	
" in 'tween Decks, Size and Spacing.....	& LOWER TWEEN DECKS.							Thickness of Plating abreast Deck openings in way of Wells		✓ 37	
" " " " "	PILLARS IN UPPER TWEEN							Thickness of Plating abreast Deck openings in way of Bridge		✓ 34	
" in Holds " "	DECKS AS PER APP ^d PLAN.				✓			Thickness of Plating within line of openings...		✓ 34 & 31	
" " " " "								If Sheathed, material and thickness		✓	
Centre Line Bulkhead.	TWEEN DE	5 1/2	3	32	ALT ^E FRAMES			Third Deck.			
Stiffeners and Spacing.....	HOLDS	10	3 1/2	40	"			Stringer Plate, breadth and thickness.....		✓ 49" also self	
Plating, thickness of	TWEEN DE		28	✓				If Plated, state thickness.....		✓ 34	
	HOLDS		32	✓							
STRINGERS AND DECKS.											
Uppermost Continuous Deck.											
Stringer Plate, breadth and thickness in Wells		73		54	✓	61	✓	Fourth Deck.			
" " " " in way of Bridge				41	✓			Stringer Plate, breadth and thickness.....			
" Angle in Wells		6	6	62	✓			If Plated, state thickness			
Thickness of Plating abreast Deck openings in way of Wells				AFT 52	✓			Poop Deck.			
Thickness of Plating abreast Deck openings in way of Bridge				FOR 48	✓			Stringer Plate, breadth and thickness			
Thickness of Plating within line of openings...				WELLS 38	✓			Plating, Sheathing, material and thickness			
If Sheathed, material and thickness				BRIDGE SPACE 34	✓			Bridge Deck.			
				SHEATHED OVER ACCOM ^d	✓			Stringer Plate, breadth and thickness.....		✓ 61"	
				AFT 5 x 2 1/2 O.P.	✓			Plating, Sheathing, material and thickness		✓ 46 SHEATHED 5 x 2 1/2 O.P.	
Second Deck.								Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...		77		41	✓	49	✓	Stringer Plate, breadth and thickness.....		✓ 35" 36	
								Plating, Sheathing, material and thickness		✓ 28	
								SHEATHED 5 x 2 1/2 O.P.		✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled? <i>No.</i>			No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.						
	Inches.	Inches.	Inches.	Inches.			Diam.	Spacing cr. to cr.					
FLAT PLATE KEEL	53"	.83 ✓	.74 ✓	.74 ✓		DOUBLE	1"	3.6	✓ 4R - 3R	1"	4.0 ✓	LAPPED.	
<i>AT DUCT KEEL.</i>													
<i>Done. (if any)</i>		1.0 ✓				"	"	"	✓ 4R	1"	4.0 ✓	"	
BOTTOM PLATING, No. of of Strakes ... <i>H</i>66 ✓	.60 ✓	.54 ✓		DOUBLE	7/8"	"	✓ 4R - 3R	7/8"	3 1/2" ✓	"	
BILGE PLATING, No. of Strakes <i>H</i>66 ✓	.60 ✓	.54 ✓		"	"	"	✓ 4R - 3R	"	" ✓	"	
SIDE PLATING, No. of Strakes <i>H</i>65 ✓	.48 ✓	.48 ✓		"	"	"	✓ 3R	7/8"	3 1/8" ✓	"	
UPPER DECK, Sheer- strake in Wells.....	69 ✓	.74 ✓	.48 ✓	.48 ✓					✓ 4R - 3R	1"	4.0 ✓	"	
UPPER DECK, Sheer- strake in Bridge ...	69	.65 ✓				"	"	"	✓ 3R	7/8"	3 1/8" ✓	"	
STRAKE BELOW Sheer- strake in Wells.....	75	.66 ✓	.48 ✓	.48 ✓		"	"	"	✓ 4R - 3R	"	" ✓	"	
STRAKE BELOW Sheer- strake in Bridge ...	75	.65 ✓				"	"	"	✓ 3R	"	" ✓	"	
POOP SIDE PLATING													
BRIDGE SIDE PLATING56 ✓	.56 ✓	.56 ✓		"	"	"	✓ 4R	"	" ✓	"	
FOREC'TLE SIDE PLATING			.40 ✓			SINGLE	3/4"	3"	✓ 1R	3/4"	2 5/8" ✓	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	8
Extending to Upper Deck (Sec. 3 c)	1
" Deck next below	6 & 1 to 3 rd DE
As per Rule	7

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks					
" " Second	26	5 x 3	30	27	✓
" " Third					
" " Holds	48-34	9 x 3 1/2	50	27	✓
COLLISION	(in Hold)	50-33	7 x 3	36	24
AFTER PEAK		48-30	8 x 3	35	24

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	ROLLED STEEL.	10 1/2 x 2 1/8	✓	
STEM				
STERN FRAME	CASTING	AS PER APPROVED SOCIETE PLAN.	ANONYME	✓
Speed of Vessel	13 1/2 K.			
RUDDER—Type	ORDINARY.			
" A x D	64.7			
" Diam. of head	FORGING 12 1/2	12 1/2	USINES METALLURGIQUES	✓
" Mainpiece at top pintle	CASTING 12 1/2	12 1/2	HAINAUT.	✓
" heel		9 1/2 x 12	COUILLET.	✓
" how constructed	CAST STEEL FRAME	AS PER APPROVED SOCIETE PLAN.	ANONYME	✓
" double or single plate coupling, vertical or horizontal	DOUBLE 50			✓

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	OPEN HEARTH PROCESS.
	Steel Company of Scotland Ltd; Lanarkshire Steel Company Ltd; Scottish Iron & Steel Company Ltd.	✓
	Has the Steel been tested as required by the Rules?	YES

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.)

This is a sister vessel to 3/5 "MANCHESTER CITY" ✓ Glas Rep N^o. 58730.

List of Plans

- (1) Endship Section
 - (2) Profile & Decks
 - (3 & 3A) Sternframe & Rudder.
 - (4) Riveting List
 - (5) After end framing.
 - (6) Turbine Seatings
 - (7) Pillars & Siders
 - (8) Welding in way of Siders.
 - (9 & 9A) Welding of Turbine Seats.
 - (10) After Peak Bulkhead.
 - (11) Welding of Small round pillars.
 - (12) Details of Pillar Heads to Siders.
 - (13) Pillars to Casings in Engine Room.
 - (14) Vent Coamings.
 - (15) Strong beams.
 - (16) Fore Peak Bld.
 - (17) Welding in way of inner bottom.
 - (18) Reinforced Hatch Webs on upper 5th
 - (19) Deckhouse on Bridge 5th.
 - (20) Linplates on Sternframe
 - (21) Hatch Webs.
 - (22) Cargo Doors.
 - (23) Manure Doors
 - (24) Roller Hatch Webs on 2nd & 3rd Decks.
 - (25) Tunnel recess.
 - (26) Position of spare tail shaft.
 - (27) Barge & Ballast Piping.
 - (28 & 28A) Emergency steering gear.
 - (29) Quadrant.
 - (30) Deep Tank Strainers.
- Endship Section (as built) in advance.
Profile & Decks
- Forging Reports
Sternframe
Rudder frame, stock & spindles
Quadrant & Pillar

PARTICULARS OF ELECTRIC WELDING (if employed) Turbine seating to tank top; ✓ Tunnel side plating to tank top; ✓ Pillars in Tween 5th; ✓ Deck girder tripping brackets; ✓ Shaft stools to tank top; ✓ Bulkhead stiffener brackets to tank top; ✓

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

Cruiser Stern. Wireless. 1st & Shelter Deck, 3rd Deck except in aftermost hold, (Cross bunker & machinery space) ✓
Echo Sounding. Ref Machinery. Duct keel forward of machinery space. ✓
Direction Finder. Lloyds A & C.P. ✓ Overall length 446'-6" ✓

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower.	WEIGHT HEAD & PIN. #5 - 2 - 19 ✓	SURV INIT ^s N. H. ✓	CERT N ^o 6863	DATE OF TEST. 23.7.37
	2nd "	46 - 2 - 17 ✓	J. F. R. ✓	2431	30.7.37
	3rd "	38 - 1 - 12 ✓	J. F. R. ✓	2514	20.8.37

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge 126.9 ft., Forecastle 37.2 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. 147432 Signal Letters Extreme Breadth over Belting (Circ. 1611) ✓ Over-all Length (Circ. 1709) 446'-6" ✓
No. and Material of Decks 1st & Shelter Deck. 3rd Deck except in aftermost hold (Cross bunker and machinery space) ✓
Parts of Bottom of Vessel coated with cement or approved composition DOUBLE BOTTOMS & PEAKS. WHOLLY CEMENTED. ✓

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,	105.3 ✓	264 ✓	Fore peak tank,		106 ✓
Double bottom, under Engines and Boilers,	40.5 ✓	172 ✓	After peak tank,		78 ✓
Double bottom, if under Engines only,			Deep tank, aft,	35.1 ✓	852 ✓
Double bottom, if under Boilers only,			Deep tank, forward,	27.0 ✓	776 ✓
Double bottom, forward, of ENG SPACE	202.9 ✓	629 ✓	Other tanks, if fitted,		
Total length (if continuous) and Capacity	354.0 ✓	1065 ✓	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 6356

Date

4: 3: 37

Dates of Surveys held while building

1937 Aug 27: Sep: 2. 8. 10 Oct: 4. 12. 25. 26. 28 Nov: 1. 3. 8. 10. 19. 25 Dec: 9. 18. 21. 24. 28
1938 Jan: 6. 11. 14. 18. 24. 27. 31 Feb: 8. 17. 24 Mar: 2. 3. 7. 10. 11. 23. 29 Apr: 1. 6. 8. 11. 14. 19. 22
25. 27. 28 May: 2. 4. 5. 10. 11. 16. 19. 20. 24. 25. 31 June: 1. 3. 7. 10. 15. 21. 22. 26 Aug: 3. 11
15. 19. 24. 29. 30 Sep: 2. 5. 6. 16

Total No. of Visits

77