

STEEL STEAMER or MOTORSHIP.

Received at London Office

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 *5th January 1944.* Port of *Greenock.*No. *2253*Survey held at *Greenock.*Date First Survey *18th AUGUST 1942.*Last Survey *5th JANUARY 1944.*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Twin S. S. "CLAN URQUHART"**Moby. Amide.*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Complete Super. without tonnage open.*State Type of Erections *on Super. etc.*TONNAGE under Tonnage Deck... *6645.76*CLASS *100A1.*State if with freeboard as condition of Class *YES.*Built at *Greenock.*Do. of space or spaces between Tonnage Dk. and Upper Dk. *2146.04*Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *L 470.1*" CORRECTED FOR CRUISER STERN. *473.66*Breadth (greatest moulded) *B 65.5*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 40.75*1st Longitudinal Number (L x D) *= 19129*2nd Numeral L x (B + D) *= 50154*Framing Depth "d," at middle of length. See Sec. 3 (1d) *18.19*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.82*Do. Long Bridge to top of keel *29.1*Draught Moulded *29.1*Launched *30th June 1943* Yard No. *454.*Builders *The Greenock Dock Co. Ltd.*Owners *The Clan Line Steamers Ltd.*Managers *Cayzer, Irvine & Co. Ltd.*

(Where necessary, to be entered in Reg. Book.)

Residence *London.*Port of Registry *Glasgow.*

If surveyed while building, afloat, & in dry dock

YES. (D.A. 1-12-43.)

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 <i>33</i> ✓			Bracket Floors, Frame <i>8 3/4 43</i> ✓		
" " from 1/2 length amidships to Collision bulkhead <i>27</i> ✓			" " Reversed Frame <i>8 3/4 38</i> ✓		
" " in peaks <i>24</i> ✓			" " Vertical Struts <i>8 3/4 38</i> ✓		
" " <i>ART. FRAMES 9-15</i> <i>30</i> ✓			Centre Girder, depth and thickness amidships <i>50 55</i> ✓		
IDE FRAMING.			" " top Angles <i>3 1/2 3 1/2 51</i> ✓		
Frame Amidships, Angle <i>E or F</i> <i>12 3 1/2 49</i> ✓			" " bottom Angles <i>5 5 57</i> ✓		
" " Extends up to <i>3rd DECK.</i> ✓			Side Girders, No. each side and thickness <i>2 @ 41</i> ✓		
Reversed Frame Amidships, Angle <i>✓</i>			Margin Plate depth (excl. of flange) and thickness <i>42 62 IN ENG. SPACE. 42 66 IN BOILER</i> ✓		
" " Extends up to <i>✓</i>			" " Vertical Angle to Tank side Bracket abft 1/2 len. from stem <i>6 6 49</i> ✓		
Depth of Framing Girder <i>BULB ANGLE.</i> ✓			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem <i>6 6 59</i> ✓		
Frames in Uppermost Continuous 'tween Decks, Angle, E or F <i>10 3 1/2 40 & INTERM. ANGLE.</i> ✓			" " Gussets, spacing and scantling abft 1/2 len. from stem <i>CONT. 49 45</i> ✓		
" " Second 'tween Decks, Angle, E or F <i>10 3 1/2 40</i> ✓			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area <i>CONT. 58 54</i> ✓		
" " Third " " ANGLE. <i>4 3 1/2 40</i> ✓			Tank Side Brackets, height above base line at toe of Frame and thickness <i>76 1/2 48 50 58 57</i> ✓		
" " from 1/2 len. for'd. to 15% len. from Stem <i>12 4 1/2 54 60</i> ✓			INNER BOTTOM PLATING.		
" " in Peaks, Angle or F <i>9 3 1/2 42</i> ✓			Breadth and thickness of Middle Line Strake <i>74 55</i> ✓		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships <i>7/8 @ 6 7/8</i> ✓			Thickness of remainder in Holds <i>19</i> ✓		
State if Frame Joggled <i>YES, EXCEPT AT ENDS OF VESSEL.</i> ✓			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? <i>YES.</i> ✓		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? <i>YES.</i> ✓			BEAMS.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved? <i>YES.</i> ✓			Uppermost Continuous Deck, amidships <i>9 3 1/2 45</i> ✓		
ANGLE BOTTOM.			" " in Wells, Angle, E or F <i>9 3 1/2 42</i> ✓		
Floors, Depth and thickness at mid-line in Holds <i>✓</i>			" " in way of Bridge, Angle, E or F <i>9 3 1/2 40</i> ✓		
Height of Brackets at side above base line at toe of frame <i>✓</i>			Spacing <i>33</i> ✓		
Middle Line Keelson, on Floors, Angles, E or F <i>✓</i>			Second Deck, amidships, Angle, E or F <i>10 3 1/2 44</i> ✓		
" " Through Plate or Intercostal Plate <i>✓</i>			Spacing <i>33</i> ✓		
" " Foundation Plate on Floors <i>✓</i>			Third Deck, amidships, Angle, E or F <i>11 3 1/2 43</i> ✓		
" " Flat Plate Keel Angles <i>✓</i>			Spacing <i>33</i> ✓		
Side Keelsons, No. each side <i>✓</i>			Fourth Deck, amidships, Angle, E or F <i>✓</i>		
" " thickness of Intercostal Plate <i>✓</i>			Spacing <i>✓</i>		
" " Angles <i>✓</i>			Poop Deck, Angle, E or F <i>6 3 36</i> ✓		
DOUBLE BOTTOM.			Spacing <i>30 & 24</i> ✓		
Solid Floors, thickness and spacing <i>42 @ 66 STIFFENED.</i> ✓			Bridge Deck, Angle, E or F <i>7 3 33</i> ✓		
" " Are Frame and Reversed Frame joggled? <i>YES.</i> ✓			Spacing <i>33</i> ✓		
Bracket Floors, breadth and thickness at middle line <i>49 1/2 45</i> ✓			Forecastle Deck, Angle, E or F <i>8 3 45</i> ✓		
" " breadth and thickness at margin plate <i>39 45</i> ✓			Spacing <i>27</i> ✓		

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.....	TWO.			Stringer Plate, breadth and thickness in way of Bridge	70 $\frac{3}{4}$	46	✓
„ in 'tween Decks, Size and Spacing.....	WIDE SPACED			Thickness of Plating abreast Deck openings in way of Wells		42	✓
„ „ „ „ „	TUBULAR			Thickness of Plating abreast Deck openings in way of Bridge		42	✓
„ in Holds „ „	PILLARS, & GIRDERS			Thickness of Plating within line of openings...		36	✓
„ „ „ „ „	AS APPROVED.		✓	If Sheathed, material and thickness		✓	
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing.....		✓		Stringer Plate, breadth and thickness.....	70 $\frac{3}{4}$	40	✓
Plating, thickness of		✓		If Plated, state thickness.....		36	✓
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....		✓	
Stringer Plate, breadth and thickness in Wells	71 $\frac{1}{2}$	✓	76	If Plated, state thickness		✓	
„ „ „ „ in way of Bridge	71 $\frac{1}{2}$	✓	76	Poop Deck.			
„ Angle in Wells	6	6	75	Stringer Plate, breadth and thickness		36	✓
Thickness of Plating abreast Deck openings in way of Wells			63	Plating, Sheathing, material and thickness ...		30	✓
Thickness of Plating abreast Deck openings in way of Bridge CASING.....	66	68	✓	Bridge Deck.			
Thickness of Plating within line of openings...			44	Stringer Plate, breadth and thickness.....	57	32	✓
If Sheathed, material and thickness		✓		Plating, Sheathing, material and thickness ...		28	✓
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...	70 $\frac{3}{4}$	✓	46	Stringer Plate, breadth and thickness.....		38	✓
				Plating, Sheathing, material and thickness ...		36	✓

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>NO.</i>			BUTTS. <i>AMIDS.</i>				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	<i>56</i> ✓	<i>.90</i>	<i>.79</i>	<i>.79</i>		<i>DOUBLE</i> ✓	<i>1</i>	<i>3⁵/₈</i> ✓	<i>4</i> ✓	<i>1</i>	<i>4</i>	<i>LAPPED.</i>	
" IN WAY OF " DECK . (if any) " <i>DUCT KEEL.</i>	<i>56</i> ✓	<i>1.08</i>	<i>1.04</i>	<i>—</i>		"✓	"✓	"✓	"✓	"✓	"✓	"✓	
BOTTOM PLATING, No. of of Strakes <i>5</i>}		<i>.72</i> ✓	<i>.63</i>	<i>.55</i>	<i>3 strakes shell plating next Keel increased to .79 feet of 1/2 L. side shell plating forward increased .257 in line of side stringers. Mainstrake at bilge ends .96.</i>	"✓	<i>7/8</i>	<i>3³/₁₀</i> ✓	<i>4-3</i> ✓	<i>7/8</i> ✓	<i>3¹/₂</i> ✓	"✓	
BILGE PLATING, No. of Strakes <i>1</i>}		<i>.72</i> ✓	<i>.63</i>	<i>.63</i>		"✓	"✓	"✓	"✓	"✓	"✓	"✓	"✓
SIDE PLATING, No. of Strakes <i>4</i>}		<i>.70</i> ✓	<i>.63</i>	<i>.50</i>		"✓	"✓	"✓	"✓	"✓	"✓	"✓	"✓
UPPER DECK, Sheer- strake in Wells.....}	<i>72</i> ✓	<i>.83</i> ✓	<i>.50</i>	<i>.50</i>		"✓	<i>1</i>	<i>3⁵/₈</i> ✓	"✓	<i>1</i>	<i>4</i>	"✓	"✓
UPPER DECK, Sheer- strake in Bridge ...}	<i>72</i> ✓	<i>.83</i> ✓				"✓	"✓	"✓	<i>4</i> ✓	"✓	"✓	"✓	"✓
STRAKE BELOW Sheer- strake in Wells.....}	<i>75</i> ✓	<i>.74</i> ✓	<i>.50</i>	<i>.50</i>	"✓	<i>7/8</i>	<i>3³/₁₀</i> ✓	<i>4-3</i> ✓	"✓	"✓	"✓	"✓	
STRAKE BELOW Sheer- strake in Bridge ...}	<i>75</i> ✓	<i>.74</i> ✓			"✓	"✓	"✓	<i>4</i> ✓	"✓	"✓	"✓	"✓	
POOP SIDE PLATING				<i>.42</i> ✓		<i>SINGLE.</i> ✓	"✓	<i>3</i> ✓	<i>1</i> ✓	<i>7/8</i>	<i>3</i> ✓	"✓	
BRIDGE SIDE PLATING ...		<i>.42</i> ✓				<i>SINGLE.</i> ✓	<i>3</i> ✓	"✓	<i>3</i> ✓	<i>3/4</i>	<i>2⁵/₈</i>	"✓	
FORECASTLE SIDE PLATING			<i>.44</i> ✓			<i>SINGLE.</i> ✓	<i>7/8</i>	"✓	<i>1</i> ✓	<i>7/8</i>	<i>3</i>	"✓	

WATERTIGHT BULKHEADS.

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

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks (116.)	26.	ANG.	4x3x32	30	✓
„ „ Second „	31	BA.	6x3x28	30	✓
„ „ Third „	45	CHL.	4x2	✓	✓
„ „ Holds	34	12x14x	40	30	✓
COLLISION „ (in Hold)	34	BA.	7x3x34	24	3 SEAM. ROY.
AFTER PEAK „ „	42	BA.	7x3x30	22	1 SEAM. ROY & TUNNEL PLAT.

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	CONTOUR PLATE.	60		
STEM	UPPER	150		
	LOWER	ROLLED 11x2 $\frac{3}{4}$		✓
STERN FRAME	Propeller Post	CAST SHAPED	THE STEEL COMP.	
	Rudder POST	STEEL PLAT.	OF SCOTLAND L ^R	
Speed of Vessel		16 KNOTS.		✓
RUDDER—Type		ONE, TWO, FLY, STREAM LINDER.		
„ A x D		1119.25.		✓
„ Diam. of head		FORG. 16 $\frac{3}{4}$	DENNY FORGE	
„ Mainpiece at top pintle		CAST STEEL	THE STEEL	
„ „ heel ...		SHAPED AS	COMPANY OF	
„ how constructed		PER PLAN.	SCOTLAND.	
„ double or single plate coupling, vertical or horizontal		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.

Colvilles, & Co., Steel Company of Scotland & Co.,
 Baines & Scottish Steel Limited.

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.)

pump to fore peak flat, steering gear, and windlass tried and found satisfactory. Freeboard verified and marked by center punch on vessel's sides. A duct keel is fitted from forward end of engine room to after end of No. 1 hold. Echo sounding device (Simmons) fitted at forward end of duct keel, no opening in shell plating. No cargo battens fitted in holds and tween decks clear of insulated chambers, but arrangements made and cleats provided for same being fitted at a later date. Wood cover fitted to all cargo hatchways as appeared. The spare beam anchor has been dispensed with. No. 2, 3, 4 & 5 holds, lower & upper tween decks have been insulated for the carriage of refrigerated cargoes. Refrig. report already forwarded. Plans forwarded as per separate list attached.

Secret: Asdic equipment fitted in watertight compartment at forward end of No. 1 hold, with access trunk to forecabin deck. Radar equipment also fitted.

Pillar heads & heels. Fore & aft brackets at pillar heads. Seams & butts of engine seat tank top plates. Frame collars at flats & tank margin in holds. Gussel plate to margin. Tank top seams, butts & margin angles in way of insulated chambers (in

PARTICULARS OF ELECTRIC WELDING (if employed)

addition to riveting). Butts of rudder plates. Shell plating to rudder post, (in addition to riveting) Cement bars in tween decks. Ends of bulkhead stiffeners & angle struts (in lieu of brackets). Vent. crammings to deck. Rail stanchions & bulwark stays to deck. Hatch crammings stays. Bilge keel plate to shell. Aft trunk to shell. Amp. engine seats. Fabricated masts. Other minor items.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book *100A1, with freeboard. 3 Bks.

Cruiser stern, fitted for oil fuel 1.44, F.P. above 150° F. D.F. E.S.D. G.Y.C. Duct keel forward of Eng. room. Refrig. Mch. Lloyd's P.R.C.P.

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	60-2-14 INCL. D.H.S.	A.E.G.	4098,	14-4-42	SUNDERLAND.
2nd "	60-2-0	C.P.	1043	26-3-42	"
3rd "					

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 28 ft., R.Q.D. — ft., Bridge 82.5 ft., Forecastle 70 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. 169,404, Signal Letters Extreme Breadth over Belting (Circ. 1611) Over-all Length 500.5 ft. (Circ. 1703)

No. and Material of Decks 3 Bks. (Stl.)

Parts of Bottom of Vessel coated with cement or approved composition Cement in peaks, Aft compartment, bilges, Double bottom feed tanks, Domestic tank and Duct keel.

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.)

SALT			SALT		
Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, $\frac{1}{2}$ 18' 6" @ 33" (incl 16")	137.50	296	Fore peak tank,		64
Double bottom, under Engines and Boilers, $\frac{1}{2}$ 68' 6" @ 33" (incl 3' 6")	71.5	264	After peak tank,		130
Double bottom, if under Engines only,			Deep tank, aft, TUNNEL CENTRE,	99.0	273
Double bottom, if under Boilers only,			Deep tank, forward, " SIDES,	66.0	141
Double bottom, forward, $\frac{1}{2}$ 94' 6" @ 33" + 139' 6" @ 27"	172.75	672	Other tanks, if fitted, " RES. FEED,	11.0	88
Total length (if continuous) and Capacity	381.75	1432	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 3497

Date 4th May 1942.

Dates of Surveys held while building

(1942) AUG. 18-24-31. SEPT. 10-13-18-24. OCT. 6-13-19-22-30. NOV. 4-8-13-23-26. DEC. 3-8-23-30. (1943) JAN. 6-11-19-28. FEB. 1-4-10. 15-18-23-25. MAR. 3-9-12-15-18-24-25-31. APRIL 3-6-9-13-20-24-28-29. MAY 4-5-7-11-12-14-19-20-21-24-25-27-28. JUNE 4-9-11-14-15-17-18-21-22-23-24-25-27-29-30. JULY 2-13-15-19-21-26-29. AUG. 3-6-12-18-23-25-26-30-31. SEPT. 2-9-9-14. 16-22-24-27-30. OCT. 4-6-11-19-21-26-29. NOV. 4-11-15-22-24-25-29-30. DEC. 1-3-6-8-14-16-18-23-28. (1944) JAN. 4-5. Total No. of Visits 129.