

STEEL STEAMER ~~OR MOTORSHIP~~

Received at London Office 10 MAR 1930

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

Port of *GLASGOW*No. *5 0 2 2 1*Survey held at *IRVINE & GREENOCK* Date First Survey *28 1 29* Last Survey *11th MARCH* 19*30*On the *(State if Machinery fitted Aft and if Single, Twin or Triple Screw)* *SINGLE SCREW SR. "CHARTERHURST"*State Type *(Full Scantling, Complete Superstructure with or without Tonnage Openings)* *FULL SCANTLING* State Type of Erections *Poop, Bridge & Fide.*TONNAGE under *4667.59* CLASS *+100A1* State if with freeboard *No* Built at *IRVINE*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 404'45"* Launched *17th DEC 1929* Yard No. *515*Total *4667.59* Breadth (greatest moulded) *B 53'29"* Builders *Ayrshire Dockyard Co. Ltd*Gross Tonnage *4965.15* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 28'00"* Owners *CHARTER SHIPPING Co. Ltd*Register Tonnage *3079.69* 1st Longitudinal Number (L x D) *= 11333.0* Managers *(Lewis & Grove) WILLIAMS*2nd Numeral L x (B + D) *= 32902.13* (Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS.

Length *404'0"* Framing Depth "d," at middle of length. See Sec. 3 (1d) *24'54"* Residence *CARDIFF*Breadth *53'6"* Proportions—Depth to Length—Uppermost continuous deck to top of keel *14'455"* Port of Registry *CARDIFF*Depth *25'7"* Draught Moulded *23'11 3/4"* *N surveyed while building, afloat, or in dry dock* *YES*

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>27"</i>		Bracket Floors, Frame <i>[B.A.]</i> * <i>8 3 1/2 42</i>	<i>app. 44</i>	
" " from 3/8 length to Collision bulkhead.....	<i>25"</i>		" " Reversed Frame <i>[B.A.]</i> * <i>7 1/2 3 42</i>	<i>" 44"</i>	
" " in peaks.....	<i>24"</i>		" " Vertical Struts <i>plate</i> <i>27 x 38</i>		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>41 x 51</i>	
Frame Amidships, Angle, <i>E or F</i> <i>[]</i> * <i>12 3 1/2 53</i>	<i>app. 64</i>		" " top Angles <i>double</i> <i>3 1/2 3 1/2 46</i>		
" " Extends up to	<i>upper dk</i>		" " bottom Angles <i>double</i> <i>4 4 55</i>		
Reversed Frame Amidships, Angle	<i>Built Angle</i>		Side Girders, No. each side and thickness	<i>One 2'38</i>	
" " Extends up to	<i>Framing</i>		Margin Plate depth (excl. of flange) and thickness	<i>43 x 49</i>	
Depth of Framing Girder.....	<i>12"</i>		" " Vertical Angle to Tank side	<i>3 1/2 3 1/2 43</i>	
Frames in Uppermost Continuous Deck, Angle, <i>E or F</i> <i>[]</i>	<i>✓</i>		" " Bracket abaft 1/2 len. from stem	<i>3 1/2 3 1/2 43</i>	
" " Second Deck, Angle, <i>E or F</i> <i>[]</i>	<i>✓</i>		" " Vertical Angle to Tank side	<i>3 1/2 3 1/2 43</i>	
" " Third " " " " " " " " " "	<i>✓</i>		" " Bracket forward 1/2 len. from stem	<i>Empt. 38</i>	
Framing in Peaks, Angle, <i>E or F</i> <i>[]</i> * <i>7 1/2 3 36</i>	<i>app. 34</i>		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	<i>Empt. 38</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 dia. 6 1/4"</i>		" " Gussets, spacing and scantling forward 1/2 len. from stem.....	<i>Empt. 38</i>	
State if Frame Joggled	<i>Yes</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>61 x 43</i>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Web frames & stringers as appd.</i>		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>Double frames add! Built & char. with rivets as approved</i>		Breadth and thickness of Middle Line Strake ...	<i>7/3 x 46</i>	
SINGLE BOTTOM.			Thickness of remainder in Holds	<i>41</i>	
Floors, Depth and thickness at mid line in Holds	<i>✓</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>	
Height of Brackets at side above base line at toe of frame	<i>✓</i>		BEAMS.		
Middle Line Keelson, on Floors, Angles, <i>E or F</i> <i>[]</i>	<i>✓</i>		Uppermost Continuous Deck, amidships in Wells, Angle, <i>E or F</i> <i>[]</i> * <i>6 1/2 3 36</i>	<i>app. 35</i>	
" " " Through Plate or Intercoastal Plate... ..	<i>✓</i>		" " " in way of Bridge, Angle, <i>E or F</i> <i>[]</i> * <i>6 1/2 3 36</i>	<i>" 35"</i>	
" " " Foundation Plate on Floors	<i>✓</i>		Spacing	<i>27"</i>	
" " " Flat Plate Keel Angles	<i>✓</i>		Second Deck, amidships, Angle, <i>E or F</i> <i>[]</i>	<i>✓</i>	
Side Keelsons, No. each side	<i>✓</i>		Spacing	<i>✓</i>	
" " thickness of Intercoastal Plate... ..	<i>✓</i>		Third Deck, amidships, Angle, <i>E or F</i> <i>[]</i>	<i>✓</i>	
" " Angles	<i>✓</i>		Spacing	<i>✓</i>	
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, <i>E or F</i> <i>[]</i>	<i>✓</i>	
Solid Floors, thickness and spacing	<i>38 every 3rd frame.</i>		Spacing	<i>✓</i>	
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>		Poop Deck, Angle, <i>E or F</i> <i>[]</i> * <i>6 1/2 3 40</i>	<i>app. 42</i>	
Bracket Floors, breadth and thickness at middle line.....	<i>45 x 38</i>		Spacing	<i>27"</i>	
" " breadth and thickness at margin plate.....	<i>30 x 38</i>		Bridge Deck, Angle, <i>E or F</i> <i>[]</i> * <i>6 3 41</i>	<i>app. 42</i>	
	<i>* NEW BRITISH STANDARD SECTIONS.</i>		Spacing	<i>27"</i>	
			Forecastle Deck, Angle, <i>E or F</i> <i>[]</i> * <i>7 3 41</i>		
			Spacing	<i>25"</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.....	<i>Centre line 1st & 2nd</i>		Stringer Plate, breadth and thickness in way of Bridge	<i>✓</i>	
<i>Bridge</i>	<i>and 2 Rows.</i>		Thickness of Plating abreast Deck openings in way of Wells	<i>✓</i>	
" in tween Decks, Size and Spacing.....	<i>Centre line B. 1st</i>		Thickness of Plating abreast Deck openings in way of Bridge	<i>✓</i>	
" " " " " "	<i>& Widely Spaced</i>		Thickness of Plating within line of openings...	<i>✓</i>	
" in Holds	<i>Pillars and Girders in Holds and tween decks</i>		If Sheathed, material and thickness	<i>✓</i>	
" " " " " "	<i>C. L. B. 1st</i>		Third Deck.		
" " " " " "	<i>one row in 1st</i>		Stringer Plate, breadth and thickness.....	<i>✓</i>	
" " " " " "	<i>one row in 2nd</i>		If Plated, state thickness.....	<i>✓</i>	
Centre Line Bulkhead.			Fourth Deck.		
Stiffeners and Spacing.....	<i>N.B.S. 3' 11" x 3 1/2" x 43</i>		Stringer Plate, breadth and thickness.....	<i>✓</i>	
Plating, thickness of	<i>54" apart as per plan.</i>		If Plated, state thickness	<i>✓</i>	
STRINGERS AND DECKS.			Poop Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness	<i>35" x 34</i>	
Stringer Plate, breadth and thickness in Wells	<i>3/4" x 1 1/2" fwd</i>		Plating, Sheathing, material and thickness ...	<i>30" plating not sheathed</i>	
" " " " " "	<i>68 1/2" x 1 1/2" aft</i>		Bridge Deck.		
" " " " " "	<i>87" x 1'40</i>		Stringer Plate, breadth and thickness.....	<i>48" x 55"</i>	
" " " " " "	<i>6 6'80" fwd</i>		Plating, Sheathing, material and thickness ...	<i>60" x 42" pl. not sheathed</i>	
" " " " " "	<i>76" aft.</i>		Forecastle Deck.		
Thickness of Plating abreast Deck openings) in way of Wells	<i>1/5"</i>		Stringer Plate, breadth and thickness.....	<i>34" x 34</i>	
Thickness of Plating abreast Deck openings) in way of Bridge	<i>1'40</i>		Plating, Sheathing, material and thickness ...	<i>28" pl. Sheathing 2 1/2" p.p.</i>	
Thickness of Plating within line of openings...	<i>32"</i>				
If Sheathed, material and thickness	<i>Not Sheathed.</i>				
Second Deck.					
Stringer Plate, breadth and thickness in Wells...	<i>✓</i>				

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>No.</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			SINGLE OR DOUBLE.	Diam. Inches.		Spacing cr. to cr. Inches.	Diam. Inches.	
FLAT PLATE KEEL	49	.45	.67	.67		Double	7/8	3 3/8	Four	1"	4"	Lapped.
DECK (if any)												
BOTTOM PLATING, No. of Strakes <i>FRANK</i>59	.46	.46		Double	7/8"	3 3/8"	Three	7/8"	3 1/8"	Lapped.
BILGE PLATING, No. of Strakes <i>ONE</i>59	.46	.46		"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes <i>TWO</i>59	.44	.44		"	"	"	"	"	"	"
UPPER DECK, Sheer-strake in Wells.....	50	F. .80 A. .46	.44	.44		"	1"	4"	Four & three	1"	4"	"
UPPER DECK, Sheer-strake in Bridge ...	66	.59	✓	✓		"	7/8"	3 3/8"	Three	7/8"	3 1/8"	"
STRAKE BELOW Sheer-strake in Wells.....	45	F. .65 A. .60	.44	.44	Boss plate .67	"	"	"	"	"	"	"
STRAKE BELOW Sheer-strake in Bridge ...	45	.59	✓	✓	Midship Thickness of A.B.C. strakes maintained to rule position of Collision R.A.A.	"	"	"	"	"	"	"
POOP SIDE PLATING38		Single	3/4"	3"	Single	3/4"	2 5/8"	"
BRIDGE SIDE PLATING ...	42	.60				Double	7/8"	3 3/8"	Three	7/8"	3 1/8"	"
FOREC'TLE SIDE PLATING			.40			Single	3/4"	3"	Single	3/4"	2 5/8"	"

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.		Scantlings.		Maker's Name.		Any departure from approved plans to be noted.	
Extending to Upper Deck (Sec. 3 c) <i>Six</i>									
,, Deck next below <i>✓</i>									
As per Rule <i>Six.</i>									
		STIFFENERS.							
		VERTICAL.		HORIZONTAL.					
		Scantlings, Spacing.		Scantlings, Spacing.					
MIDSHIP BULKHEAD, Upper between decks <i>✓</i>									
,, ,, <i>Second</i> ,, <i>✓</i>									
,, ,, <i>Third</i> ,, <i>✓</i>									
,, ,, Holds		<i>CHANNEL</i>							
COLLISION ,, (in Hold)		<i>51/26 8x3 1/2 5/8 25 1/2</i>		<i>24" 2 Semi-hex beams</i>					
AFTER PEAK ,, ,,		<i>48/30 do: 24" 1 Semi-hex beam and Tunnel recess.</i>							
STEEL.		Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)							
		<i>David Colville & Sons Ltd. Steel Co. of Scotland: Dundee & Co. Lanarkshire Steel Works</i>							
		Has the Steel been tested as required by the Rules?		<i>YES.</i>					

EQUIPMENT No. 35112-76										LETTER Z.		ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
32470	1st Bower ...	64	0	0	5700	15	55	50	10	0	0	63 3/4 C.	Byers.	not stated	5 th d. 10.10.29 J.A. Butler.
32477	2nd „ ...	63	3	14	—	—	—	50	10	0	0	63 3/4	„	„	„ 12.10.29 „
32332	3rd „ ...	54	2	0	—	—	—	45	1	1	0	54 1/2	„	„	„ 15.8.29 „
	Collective weight.	182	1	14								182			
18047	Stream	17	2	0	4	1	2	18	12	2	0	17 1/2	Ordinary	R Sykes & L	Off. 31.8.29 L.L. Wright.

CHAIN CABLES.										HAWSERS 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.		Breaking Test of Steel Wire.	Length and Size per Table 53.		
	Length.	Diam.	Stain- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Cir.	Length.		Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
33539	270	2 1/4	9 1/8	12 1/2	690	3	7	682 1/4	270	2 1/4	STUD LINK.	R Sykes & L	Off. 29.8.29 L.L. Wright	TOWLINE	120	5	7 3/4	120	5
														HAWSERS & WARPS	2-90	2 1/4	15 1/2	2-90	2 1/4
															2-90	2 1/2	12 1/2	2-90	2 1/2
		Cir.								Cir.									
Lean Stream Chain or Steel Wire	90	4 3/4		47 1/2					90	4 3/4	alex tough steel								

Steering Gear, Steam	Port Glasgow Eng. Co.	Steering Gear, Hand	Relieving Tackle Fitted.
Boats	2-24' Lifeboats; 2-16' Dugby.	Steering Chains, Size and Test	1 1/2" Shot Link. 24 1/4 Tons. L.R.N.
Ceiling in Holds, thickness and material	2 1/2" w.p. under Hatchways & over bulkheads only.	Cargo Battens, thickness, material and spacing	6" x 2" spaced 9".
Cargo Hatchways.—(Upper Deck)	Steel plates and angles.	Thickness of Hatches	2 1/2" solid.
Size of No. 1 Hatchway (Forward)	31'3" x 24' No. 2	33'9" x 24' No. 3	24'9" x 24' No. 4
		18' x 24' No. 5	38'3" x 24' No. 6
Number of Shifting Beams and/or Fore and Afters	No. 1 and 2 — (5)	No. 3. (3)	No. 4. (2)
		No. 5 & 6. (6)	
AYRSHIRE DOCKYARD CO., LIMITED.			
Builder's Signature		M. Macleod, Manager.	

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel..... ✓ (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo..... ✓ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

The materials and workmanship are good.

This vessel has been built in accordance with the approved plans the Secretary's letters of various dates and in accordance with the Rules for the class contemplated.

The double bottom, peaks & deep tanks have been tested as required by rule. The weather decks and watertight bulkheads have been tested with satisfactory results. Shaft tunnel hose tested.

The freeboard has been verified and "cut in" on vessels sides

The approved plans, as detailed on back of report, are forwarded herewith

P.T.O.

The amount of Entry Fee	£ 8 : 0 : 0.	Fees applied for,	14/3/30
Special Survey Fee....	£ 323 : 5 : 0.	Received by me,	26.3.30
Travelling Expenses, if any	£ 5 : 10 : 0.		
FREEBOARD FEE £ 8 : 6 : 8.			
State whether the Vessel has been built under Special Survey	Yes.	Signature	M. Macleod.
Certificate to be sent to	Glasgow	Date of issue	27/3/30

Committee's Minute	GLASGOW 18 MAR 1930
Character assigned	+ 100 A1
	3.30
	Lloyd's A+C.P.
	+ L.M.C. 3.30.
	70.
	84.

The surveyors are requested not to write on or below the Committee's Minute.

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 vessel is a duplicate of Robert Duncan & Co. Port Glasgow. No. 384.
"Maria de Larrinaga." Greenock Report No. 19003.

The following approved plans and Forging Reports are forwarded herewith:-

- ✓ 1. Midship Section.
 - ✓ 2. Profile and Deck Plan.
 - ✓ 3. Rudder & Stern Frame.
 - ✓ 4. Hatchways, Pillars and Girders.
 - ✓ 5. Stiffening at Bridge Ends.
 - ✓ 6. Amended arrangt. of stringer at Ships side. W.T. B.H. in Deep Tank, etc.
 - ✓ 7. Deep Tank. W.T. Bulkheads, Shaft-Tunnel etc.
 - ✓ 8. Fore peak stiffening, fore & after peak bulkheads etc.
 - ✓ 9. Anti-wake device to Stemframe.
 - ✓ 10. Pumping Arrangement.
- Two Copying & one Forging Report.
Midship Section (as built.)

NOTE:-
Please return Plans for dealing with Sister Vessel No. 516.

DAMAGE stated to have been caused through vessel coming in contact with quay wall at Victoria Harbour on Tuesday 17th Decr 1929. (Greenock).

Starboard Side, shell plating in fore hold:-
No. 3 plate in 3rd strake below sheer, removed, faired and replaced.
Nos 1, 2, 3, & 5 plates in 4th strake below sheer, faired in place.
One length of stringer plate removed, faired and replaced.
Shell plate No. 5 from aft in 3rd strake below sheer found slightly set in, in one frame space, due to waterline. The Owners do not desire to fair this plate. The rivetting & caulking in way of same, has been overhauled and made good & the indentation, in my opinion, will not affecting the vessels efficiency or seaworthiness; it is recommended that no further action be taken.

Particulars of Drop Test of Cast Steel Anchors, viz.:- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	36-1-19	R.H.	6901	13.8.29.
	2nd "	36-2-7	M.B.	5974	27.9.29.
	3rd "	31-1-10	M.H.	6709	30.1.29.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 25.75 ft., R.Q.D. ft., Bridge 270.42 ft., Forecastle 34 ft. 39 in. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 DK. (STK.)

Official No. 148320. Signal Letters Is bottom of Vessel coated with cement YES. if not give particulars of composition CEMENT UNDER BOILERS & FILLETS ELSEWHERE AS PER RULES.

PARTICULARS OF WATER BALLAST.—					
Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	130.5	415.	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		245
Double bottom, if under Engines only,	24.75	110.	Deep tank, aft, AMIDSHIPS.	29.25	1100
Double bottom, if under Boilers only, DRY TANK W.T. Compartment	15.45		Deep tank, forward,		
Double bottom, forward,	178.66	630.	Other tanks, if fitted,		
	Total capacity of double bottom	1155.	(If necessary, furnish further information by sketch.)		
	* The wells are not to be included in the lengths of the tanks.				
	349.66				

Order for Special Survey No. 5967

Date 31. 12. 28

Dates of Surveys held while building

1929 Jan 28 Feb. 8. 13. 18. 20 Mar 17. 18. 20. 28 Apr 12. 16. 22. 30 May 2. 15. 27 June 3. 5. 12. 17. 20. 27 July 2. 8. 23. 25 Aug 6. 12. 14. 19 22. 26. 29 Sep 6. 13. 18. 25 Oct 3. 7. 11. 14. 21. 29 Nov 6. 29 Dec 12. 17. 26 (1930) Jan 15 Mar 11

Total No. of Visits 51