

## STEEL STEAMER or MOTORSHIP.

Received at London Office..... 17 Mar. 1926

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 11th March, 1926Port of GlasgowNo. 45481Survey held at GlasgowDate First Survey 15th Sept 1925

Last Survey

9th March 1926

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

Single Screw Steamer "GREBE"

State Type (Full or Partial Superstructure with or without Tonnage Openings)

Complete Superstructure with Tonnage OpeningState Type of Erections Bridge onSuperstructure.TONNAGE under Tonnage Deck... 690.88CLASS 100 A1State if with freeboard as condition of Class YesBuilt at GlasgowDo. of space or spaces between Tonnage Dk. and Upper Dk. 33.48Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 220.0Launched 18th Jan., 1926 Yard No. 397Total 724.36Breadth (greatest moulded) 35.0Builders Ailsa Shipbuilding Co. Ltd.Gross Tonnage 880.40Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 21.5Owners General Steam Navigation Co. Ltd.Register Tonnage 366.041st Longitudinal Number (L x D) 4730Managers ✓  
(Where necessary to be entered in Reg. Book.)2nd Numeral L x (B + D) 12430Residence London.REGISTERED DIMENSIONS.  
FEET.Length 220.5Framing Depth "d," at middle of length. See Sec. 3 (1d) 11.37Breadth 35.2Proportions—Depth to Length—Uppermost continuous deck to top of keel 10.23Depth 11.85Do. Long Bridge to top of keel 7.59Draught Moulded 13'-6"

If surveyed while building, afloat, or in dry dock

Building, afloat & in 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.
S, Spacing amidships	24	✓	Bracket Floors, Frame	✓	
" from 1/4 length to Collision bulkhead	24	✓	" " Reversed Frame	✓	
" in peaks	24	✓	" " Vertical Struts	✓	
RAMING.			Centre Girder, depth and thickness amidships	3 1/2 — .43	
Amidships, Angle, E or F	5 1/2 3 .36		" " top Angles <u>single</u>	3 3 .40	
" Extends up to <u>Shell &amp; Bridge Dks alt. in way of Bridge</u>	2nd " " clear " "		" " bottom Angles <u>single</u>	3 1/2 3 1/2 .43	
sed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	One .32	
" Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	27 — .37	<u>Appx. 22 3/4 wide</u>
of Framing Girder	5 1/2		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 3 .32	
es in Uppermost Continuous 'tween Decks, Angle, E or F	5 1/2 3 .36	<u>alt. frames</u>	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	3 3 .32	
" Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	✓	
" Third " " "	✓		" " Gussets, spacing and scantling forward 1/4 len. from stem	✓	
ing in Peaks, Angle or F	5 1/2 3 .30		Tank Side Brackets, height above base line at toe of Frame and thickness	45 — .34	
eter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 — 5/4		INNER BOTTOM PLATING.		
if Frame Joggled	<u>Yes</u>		Breadth and thickness of Middle Line Strake	60 — .38	
NG ARRANGEMENTS (Sec. 7), state system and particulars	<u>Strengthened frames at side struts as appx. plan, frames double riveted, 3 plating bottom plating midships thickness to collision thd. 1/2 depth intercostal.</u>		Thickness of remainder in Holds	.33	
ETHENING OF BOTTOM FOR- RD. State Particulars			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>	
E BOTTOM.			BEAMS.		
s, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Wells, Angle, E or F	6 3 .32 4.34	
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, E or F	5 3 .32 <u>Carlings</u>	
e Line Keelson, on Floors, Angles, E or F	✓		Spacing	24	
" " Through Plate or Intercostal Plate	✓		Second Deck, amidships, Angle, E or F	6 3 .42	
" " Foundation Plate on Floors	✓		Spacing	24	
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, E or F	✓	
Keelsons, No. each side	✓		Spacing	✓	
" thickness of Intercostal Plate	✓		Fourth Deck, amidships, Angle, E or F	✓	
" Angles	✓		Spacing	✓	
E BOTTOM.			Poop Deck, Angle, E or F	✓	
Floors, thickness and spacing	32 — 24		Spacing	✓	
" Are Frame and Reversed Frame joggled?	<u>Yes</u>		Bridge Deck, Angle, E or F	6 3 .34	
et Floors, breadth and thickness at middle line	✓		Spacing	<u>alt. frames</u>	
" breadth and thickness at margin plate	✓		Forecastle Deck, Angle, E or F	✓	
			Spacing	✓	

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## PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
„ in 'tween Decks, Size and Spacing.....	Special Pillaring as approved Plan.					Stringer Plate, breadth and thickness in way of Bridge .....	60	x	34
„ „ „ „ „						Thickness of Plating abreast Deck openings in way of Wells .....	30		
„ in Holds „ „	Arched Brackets					Thickness of Plating abreast Deck openings in way of Bridge .....	30		
„ „ „ „ „						Thickness of Plating within line of openings...	30		
„ „ „ „ „						If Sheathed, material and thickness .....	✓		
<b>Centre Line Bulkhead.</b>						<b>Third Deck.</b>			
Stiffeners and Spacing.....	✓					Stringer Plate, breadth and thickness.....	✓		
Plating, thickness of .....	✓					If Plated, state thickness.....	✓		
<b>STRINGERS AND DECKS.</b>						<b>Fourth Deck.</b>			
<b>Uppermost Continuous Deck.</b> clear of Bridge						Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Wells	60	x	34			If Plated, state thickness .....	✓		
„ „ „ „ in way of Bridge	60	x	32			<b>Poop Deck.</b>			
„ Angle in Wells clear of Bridge	3 1/2	3 1/2	34			Stringer Plate, breadth and thickness .....	✓		
Thickness of Plating abreast Deck openings in way of Wells .....	30					Plating, Sheathing, material and thickness ...	✓		
Thickness of Plating abreast Deck openings in way of Bridge .....	30					<b>Bridge Deck.</b>			
Thickness of Plating within line of openings...	30					Stringer Plate, breadth and thickness.....	45	x	34
If Sheathed, material and thickness .....	✓					Plating, Sheathing, material and thickness ...	13 1/2	3	
<b>Second Deck.</b>						<b>Forecastle Deck.</b>			
Stringer Plate, breadth and thickness in Wells...	60	x	34			Stringer Plate, breadth and thickness.....	✓		
						Plating, Sheathing, material and thickness ...	✓		

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>no</i>			BUTTS.			
	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>43</i>	<i>48</i>	<i>44</i>	<i>44</i>	<i>✓</i>	<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>3</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Strapped</i>
„ DBLG. (if any)		<i>✓</i>	<i>✓</i>	<i>✓</i>								
BOTTOM PLATING, No. of Strakes ..... <i>2</i> ....	<i>42</i>	<i>42</i>	<i>42</i>	<i>38</i>	<i>Appx. 38 for 2</i>	<i>Double</i>	<i>3/4</i>	<i>3</i>	<i>3</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Lapped</i>
BILGE PLATING, No. of Strakes ..... <i>2</i> ....	<i>42</i>	<i>1-42</i>	<i>1-38</i>	<i>1-40</i>	<i>"</i>	<i>Lower Double</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
SIDE PLATING, No. of Strakes ..... <i>2</i> ....	<i>42</i>	<i>38</i>	<i>38</i>		<i>✓</i>	<i>Single</i>	<i>"</i>	<i>"</i>	<i>2</i>	<i>"</i>	<i>"</i>	<i>"</i>
UPPER DECK, Sheer-strake in Wells.....	<i>47</i>	<i>42</i>	<i>38</i>	<i>38</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>3</i>	<i>"</i>	<i>"</i>	<i>"</i>
UPPER DECK, Sheer-strake in Bridge ...	<i>47</i>	<i>42</i>			<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
STRAKE BELOW Sheer-strake in Wells.....	<i>46 1/2</i>	<i>42</i>	<i>38</i>	<i>38</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
STRAKE BELOW Sheer-strake in Bridge ...	<i>46 1/2</i>	<i>42</i>			<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
POOP SIDE PLATING .....												
BRIDGE SIDE PLATING ...		<i>38</i>				<i>Single</i>	<i>3/4</i>	<i>3</i>	<i>2</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Lapped</i>
FORECASTLE SIDE PLATING												

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 5

Extending to Upper Deck (Sec. 3 c) 1

„ Deck next below 4

As per Rule 4

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
„ „ Second „					
„ „ Third „					
„ „ Holds .... (53)		28-50	6x3x38	29	Semi-tee beam at 2nd deck level
COLLISION „ (in Hold) (103)		32-42	8x3x24 3/4	24	Semi-tee beam
AFTER PEAK „ „ (6)		30-38	7x3x36 3/4	24	Tunnel recess.

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....	Flat plate keel.			
STEM .....	Rolled steel	7x1 7/8	Scottish Iron & Steel Co.	
STERN FRAME {	Propeller Post .....	7x5	The Clyde	
	Rudder „ .....	6 1/4 x 5	S.B. & E. Co.	
RUDDER—A x D.....		165		
Speed of Vessel.....		10 1/2 knots		
RUDDER mainpiece at head ...	Scrap	6 1/4	The Clyde	
	heel ... Forging	4 3/4	S.B. & E. Co.	
„ how constructed .....	Built. Arms shrunk on & keyed to mainpiece.			
„ double or single plate	Single	.85		
„ coupling, vertical or horizontal.....	Horizontal			

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

Wm Beardmore &amp; Co, The Steel Co of Scotland, David Colville &amp; Son, Lanarkshire Steel Co, Frodingham Iron &amp; Steel Works, South Durham Steel &amp; Iron Co.

Has the Steel been tested as required by the Rules? Yes



EQUIPMENT No. /2802												LETTER 0		ANCHORS.		17 Mar 1926		
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.						
88116	1st Bower ...	27	2	14	✓	✓	✓	26	16	3	14	27		Halls (C.S. Head)	H. Hingley & Sons	Ketherton, 26/1/26, H. Green		
87458	2nd „ ...	27	0	3	✓	✓	✓	26	9	1	14	27		— " —	— " —	„ 23/3/24, „		
88115	3rd „ ...	26	0	19	✓	✓	✓	25	16	1	0	26		— " —	— " —	„ 23/1/26, „		
	Collective weight.	80	3	8								80						
88017	Stream .....	7	1	0	✓	1	3	17	9	9	1	14	7		Rodgers (Forged W.I.)	— " —	„ 30/11/25, „	

CHAIN CABLES.													HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied. Length. Diam.		Test per Certificate. Statu- tory. Break- ing.		WEIGHT OF CHAIN CABLE.				Length and Size per Table 53. Length. Diam.		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.				
					Supplied.		Per Rule.								Length.	Cir.						
	Fathoms.	Ins.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					TOWLINE...	Fathoms.	Ins.	Tons.	Fathoms.	Ins.			
79505	120 1/2	1 1/16	43 1/10	6 1/4	149	1. 23	298 3/4	240	19 1/16	Stud	H. Hingley & Sons	Ketherton, 12/12/25, Green	TOWLINE...	90	3 1/4	22	90	3 1/4				
79507	120	1 1/16	43 1/10	6 1/4	149	1. 15								90	2 1/4	9 1/2	90	2 1/4				
79559	75 3/4	1	18	27	39	0. 8								38 1/4	75	1	Stud	"	" 31/12/25, "	"	90	5
Iron Stream Chain (Morse & Wilson)																						

Steering Gear, Steam *by Harvie & Co., Greenock* Steering Gear, Hand *by Donkin & Co. Ltd., Newcastle-on-Tyne*

Boats *1 @ 23.1 x 7.6 x 2.9* Steering Chains, Size and Test *7/8", 9 1/8 tons* Windlass *by Emerson, Walker & Thompson Bros. Ltd.*

Ceiling in Holds, thickness and material *3" P.P. on 2" battens* Cargo Battens, thickness, material and spacing *6" x 2" spaced 8" in clear.*

Cargo Hatchways.—(Upper Deck) *Steel Coamings, 4 1/4* Thickness of Hatches *3" W.P.*

Size of No. 1 Hatchway (Forward) *14'-0" x 14'-0"* No. 2 *28'-0" x 14'-0"* No. 3 *30'-0" x 14'-0"* No. 4 *✓* No. 5 *✓* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *2 Shifting Beams in No. 1 Hatch, 4 in No. 2, 45 in No. 3. No Fore & Afters.*

AILS A SHIPBUILDING CO., LIMITED.  
*Mullai* General Manager.  
 Builder's Signature

GENERAL DECLARATION *The materials & workmanship are good. The vessel has been built in accordance with the approved plans and instructions, the Secretary's letters of various dates, and in conformity with the Rules for the class contemplated.*

*No. 2, 3 & 4 double bottom tanks have been constructed and tested with a view to carrying & burning oil fuel at a later date if required. The fittings for the burning of oil fuel have not been installed, and the requirements of Sec. 35 of the Rules will require to be complied with where applicable if it is decided to turn over to oil fuel burning. Two settling tanks have been built in the tween decks and tested.*

*The tanks, decks, bulkheads, tunnel & watertight doors have been tested in accordance with the Rules.*

*The freeboard has been verified & the marks cut in on the vessel's sides.*

The amount of Entry Fee ..... £ *4 : 0 : 0* Fees applied for, *15/3/26*

Special Survey Fee .... £ *88 : 0 : 0* Received by me, *18/3/26*

*Freeboard* *4* *0* *0*

Travelling Expenses, if any £ *3 : 10 : 0*

I am of opinion the Vessel should be Classed *+100A1 "With freeboard"*

State whether the Vessel has been built under Special Survey *Yes* Signature *E. Brimblecombe*

Certificate to be sent to *GLASCOW* Date of issue *20/3/26* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 16 MAR 1926*

Character assigned *+ 100 A1*

*with freeboard*

*3 26.*

*Lloyd's A & C.P.*

*+ L M C 3.26.*



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Lloyd's Register  
Foundation

W 70-0183(212)



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.)

Plans enclosed:—

Midship Section.  
Profile & Deck Plans.  
Sternpost & Rudder.  
Pumping Plan.  
Fore End Stiffening.  
Stern Construction.  
Pillars & Girders.  
Mast & Rigging Plan.  
Oil Fuel Settling Tanks.  
Girder in way of Tunnel Recess.  
Framing Ports in Bulwarks.

Plans (2) of Midship Section and Profile & Decks as built are also enclosed, together with one Forging Report.

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

1st Bower 18.2.4, D.D.W., 465, 18/8/25.  
2nd „ 17.0.13, M.G., 1839, 4/7/24.  
3rd „ 16.2.11, J.D., 455, 28/7/25

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge <sup>on Shelter Deck</sup> 62.0 ft., Forecastle ☒ ft.  
(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 Deck & Shelter Deck (Stl)

Official No. 148737 ; Signal Letters KTVF Is bottom of Vessel coated with cement ☒ yes if not give particulars of composition ☒

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	Salt		Where Fitted.	Salt	
	*Length. Feet.	Water Capacity. Tons.		*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	46	43	Fore peak tank,	13	28
Double bottom, under Engines and Boilers,	32	55	After peak tank,	8	12
Double bottom, if under Engines only,	✓		Deep tank, aft,	✓	
Double bottom, if under Boilers only,	✓		Deep tank, forward,	✓	
Double bottom, forward,	104	152	Other tanks, if fitted,	✓	
Total capacity of double bottom		250	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks.

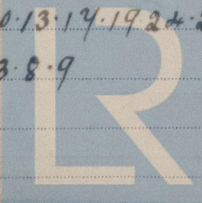
Total length of S.B. tanks (ex wells) = 182 feet.

Order for Special Survey No. 5419

Date 10-9-25

Dates of Surveys held while building

1925 Sep 15 22 Oct 6 15 20 22 24 30 Nov 3 10 13 14 19 24 26 Dec 1 3 8 14 19 22 25 31  
1926 Jan 13 15 18 24 Feb 5 9 12 19 25 Mar 3 8 9



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Total No. of Visits 36