

STEEL STEAMER or MOTORSHIP.

Received at London Office 17 JUN 1936

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 *13th June 1936.*Port of *Glasgow*No. *57137*Survey held at *Glasgow.*Date First Survey *29-11-35*Last Survey *12-6-*

1936.

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

Mach. of. Single Screw "THE EARL."

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

*Full scantling.*State Type of Erections *Pop. R.D. Bridge.*

TONNAGE under Tonnage Deck...

*623.37*CLASS *+100 A1.*

State if with freeboard as condition of Class

No.

Built at *Glasgow.*

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

Total

Gross Tonnage

925.67

Register Tonnage

481.17

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

L 199.5

Breadth (greatest moulded)

B 32.0

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

D 14.5

1st Longitudinal Number (L x D)

= 2892.75

2nd Numeral L x (B + D)

= 9276.75

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

12.0

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

{ 13.76 MD

Do. Long Bridge to top of keel

{ 10.79 RD

Draught Moulded

*13.11 3/4*Launched *21st May 1936* Yard No. *422.*Builders *Ailsa S.B. & Ld.*Owners *J. May & Sons Ltd*

Managers

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

Residence

Glasgow.

Port of Registry

Glasgow.

If surveyed while building, afloat, or in dry dock

Building

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>22"</i>		Bracket Floors, Frame	<i>✓</i>	
" " from $\frac{3}{8}$ length to Collision bulkhead	<i>"</i>		" " Reversed Frame	<i>✓</i>	
" " in peaks	<i>"</i>		" " Vertical Struts	<i>✓</i>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>30 x 38</i>	
Frame Amidships, Angle, <i>E</i> or <i>F</i>	<i>R.D. 6 3 33</i>		" " top Angles <i>double</i>	<i>3 3 34</i>	
" " Extends up to	<i>UD 5 3 32</i>		" " bottom Angles	<i>3 3 38</i>	
Reversed Frame Amidships, Angle	<i>8.0 7 1</i>		Side Girders, No. each side and thickness	<i>one 29</i>	
" " Extends up to	<i>6" & 5 1/2"</i>		Margin Plate depth (excl. of flange) and thickness	<i>26 x 33</i>	
Depth of Framing Girder	<i>6" & 5 1/2"</i>		" " Vertical Angle to Tank side	<i>3 3 30</i>	
Frames in Uppermost Continuous Deck, Angle, <i>E</i> or <i>F</i>	<i>✓</i>		" " Bracket abaft $\frac{1}{4}$ len. from stem	<i>5 5 31</i>	
Second tween Decks, Angle, <i>E</i> or <i>F</i>	<i>✓</i>		" " Vertical Angle to Tank side	<i>5 5 31</i>	
Third " " " "	<i>✓</i>		" " Bracket forward $\frac{1}{4}$ len. from stem	<i>✓</i>	
Framing in Peaks, Angle <i>E</i> or <i>F</i>	<i>5 3 39</i>		" " Gaskets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	<i>✓</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/4" & 5 1/4"</i>		" " Gaskets, spacing and scantling forward $\frac{1}{4}$ len. from stem	<i>✓</i>	
State if Frame Joggled	<i>Yes.</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>37" x 30</i>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Deep & strong</i>		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>Ad. 1st & 2nd decks increase thickness of Plating</i>		Breadth and thickness of Middle Line Strake	<i>40 1/2 x 34</i>	
SINGLE BOTTOM. IN BOILER ROOM.			Thickness of remainder in Holds	<i>30</i>	
Floors, Depth and thickness at mid-line in Holds	<i>20 1/2" x 42</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>none.</i>		BEAMS.		
Middle Line Keelson, on Floors, Angle, <i>E</i> or <i>F</i>	<i>✓</i>		Uppermost Continuous Deck, amidships in Wells, Angle, <i>E</i> or <i>F</i>	<i>5 1/2 3 36</i>	
" " " Through Plate or Intercoastal Plate	<i>✓</i>		" " in way of Bridge, Angle, <i>E</i> or <i>F</i>	<i>do.</i>	
" " " Foundation Plate on Floors	<i>32 x 50</i>		Spacing	<i>22</i>	
" " " Flat Plate Keel Angles	<i>3 1/2 3 1/2 44</i>		Second Deck, amidships, Angle, <i>E</i> or <i>F</i>	<i>5 1/2 3 36</i>	
Side Keelsons, No. each side	<i>one.</i>		Spacing	<i>22</i>	
" " thickness of Intercoastal Plate	<i>42</i>		Third Deck, amidships, Angle, <i>E</i> or <i>F</i>	<i>✓</i>	
" " Angle	<i>Bulb 4 3 1/2 50</i>		Spacing	<i>✓</i>	
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, <i>E</i> or <i>F</i>	<i>✓</i>	
Solid Floors, thickness and spacing	<i>29 x 22</i>		Spacing	<i>✓</i>	
" " Are Frame and Reversed Frame joggled?	<i>Yes.</i>		Poop Deck, Angle, <i>E</i> or <i>F</i>	<i>5 3 30</i>	
Bracket Floors, breadth and thickness at middle line	<i>✓</i>		Spacing	<i>22</i>	
" " breadth and thickness at margin plate	<i>✓</i>		Bridge Deck, Angle, <i>E</i> or <i>F</i>	<i>5 1/2 3 32</i>	
			Spacing	<i>44</i>	
			Forecastle Deck, Angle, <i>E</i> or <i>F</i>	<i>6 3 32</i>	
			Spacing	<i>44</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.....		✓				Stringer Plate, breadth and thickness in way of Bridge		✓			
" in 'tween Decks, Size and Spacing		✓				Thickness of Plating abreast Deck openings in way of Wells			38		
" " " " " <i>Deep Brackets.</i>						Thickness of Plating abreast Deck openings in way of Bridge		✓			
" in Holds " "						Thickness of Plating within line of openings...			30		
" " " " " ✓		✓				If Sheathed, material and thickness		✓			
Centre Line Bulkhead.						Third Deck.					
Stiffeners and Spacing		✓				Stringer Plate, breadth and thickness		✓			
Plating, thickness of		✓				If Plated, state thickness		✓			
STRINGERS AND DECKS.						Fourth Deck.					
Uppermost Continuous Deck.						Stringer Plate, breadth and thickness		✓			
Stringer Plate, breadth and thickness in Wells			66 x 50			If Plated, state thickness		✓			
" " " " in way of Bridge			66			Poop Deck.					
" Angle in Wells			5 5 45			Stringer Plate, breadth and thickness			30 1/4		
Thickness of Plating abreast Deck openings in way of Wells			50 & 48			Plating, Sheathing, material and thickness ..			30 1/4		
Thickness of Plating abreast Deck openings in way of Bridge		✓				Bridge Deck.					
Thickness of Plating within line of openings...			30			Stringer Plate, breadth and thickness			32 x 24		
If Sheathed, material and thickness			none.			Plating, Sheathing, material and thickness ..			7 x 27 1/2 x 2 1/2 "		
R. Q. E.						Forecastle Deck.					
Second Deck.						Stringer Plate, breadth and thickness			18 x 24		
Stringer Plate, breadth and thickness in Wells...			64 x 38			Plating, Sheathing, material and thickness ..			36 x 24 x 2 1/2 "		

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?	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	40	50	44	44	app. 48	double	3/4	3 1/4	Three	3/4	2 3/8	Strapped.	
„ DBLG. (if any)						✓			✓				
BOTTOM PLATING, No. of Strakes <i>Two</i>	1 1/2	38	34	34	42 feet of R.R. to rule position of C.B.A.	double	3/4	3 1/4	Two	3/4	2 3/8	Lapped.	
BILGE PLATING, No. of Strakes <i>ONE</i>		38	34	34		"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes <i>ONE</i>	6 1/2	38	34	34		"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Wells <i>9.5</i>	45	53	34		78 at break.	"	"	"	Three	"	"	Strapped	
		42		34									
UPPER DECK, Sheer-strake in Bridge <i>9.5</i>	47	44		34		"	"	"	"	"	"	Lapped	
STRAKE BELOW Sheer-strake in Wells.....	51	45	34			"	"	"	"	"	"	"	
STRAKE BELOW Sheer-strake in Bridge <i>WAY OF R.R.D.</i>	51	38		34		"	"	"	Two	"	"	"	
POOF SIDE PLATING				34		Single	"	"	"	"	"	"	
BRIDGE SIDE PLATING ...		27				"	"	"	✓				
FOREC'TLE SIDE PLATING			27			Single	3/4	3 1/4	Two	3/4	2 3/8	Lapped.	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

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

Plating Thickness.	STIFFENERS.			
	VERTICAL.		HORIZONTAL.	
	Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Upper tween decks	✓			
" " Second "	✓			
" " Third "	✓			
" " Holds	30-40	4 1/2 x 3 x 36.89 24"		
COLLISION " (in Hold)	30-38	4 x 3 x 44.81 24"	W.T. Flat.	
AFTER PEAK " "	30-42	8 x 3 x 38.89 24"		

34 x 302		Rasting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		Flat Plate Keel.			
STEM		Rotted steel 6 1/2 x 1 1/2			6 1/2 x 1 1/2
STERN FRAME {		Propeller Post	Forging 6 1/2 x 4 1/2	Iron Rod	
		Rudder ..	See appd. plan.		
Speed of Vessel		Not exceeding 10 1/2 Knots.			
RUDDER—Type		Balanced, Iron Rods.			
" A x D		See appd. Plan.			
" Diam. of head		4 3/4			
" Mainpiece at top pintle		6" d.			
" " heel ...		4 1/2 d.			
" how constructed		Forged arms Shunk & Keel			
" double or single plate		Double			
" coupling, vertical or horizontal		Horizontal.			
STEEL.		Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Basis Open hearth.			
		Scottish Iron & Steel Co. Ltd. Steel Co. of Scotland: Colvilles Ltd. Corbett Iron Co. Ltd. Dorman, Long & Co. Ltd.			
Has the Steel been tested as required by the Rules?		9/15.			

Lloyd's Re Foundation

EQUIPMENT No 10184										LETTER "L"		ANCHORS.			
Number of Certificate.	Anchor.	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.			
95002	1st Bower ...	21	1	26	Stockless.			22	0	0	0	21 1/4	Single's Challenge	H. Singley	Netherby 29.2.36
95003	2nd " ...	21	2	6		--		22	1	3	14	21 1/4	Type.	S. Sons.	J. G. Ref.
95004	3rd " ...	18	0	12		--		19	2	0	21	18	--	--	--
	Collective weight.	61	0	16								60 1/2			
95008	Stream	5	3	6	1	2	0	8	2	3	7	5 3/4 ex. st.	Ordinary.	--	H. Green.

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.	Statutory.	Breaking.	Supplied.	Per Rule.			Length.	Diam.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
104062	105 1/2	1 1/8	34	51	101.2.10							H. Singley	Netherby 16/1/36.	TOWLINE	90	3	18.6	90	3 1/2.
104063	105 1/2	"	"	"	102.0.14	203	210	1 1/8	stud link			S. Sons Ltd.	" 24/7/36.	HAWSERS & WARPS	90	6		90	6
	211 1/2				203-2.24							H. Green	"		90	5		90	5
	60	3 1/4	21.7						60	3 1/4	1/2	Machine Black Rb.							

Steering Gear, Steam *4 x 4 1/2 H.P. Eng. Thos. Reid & Sons. Electromotor.* Steering Gear, Hand *Thos. Reid & Sons.*

Boats *2 Lifeboats 17'6" x 6'1 1/2" x 2'5" 10 dinghy 13'0" x 5'0" x 1'9"* Steering Chains, Size and Test *Electromotor.* Windlass *8 1/2 x 9 Emerson Walker.*

Ceiling in Holds, thickness and material *2 1/2" White pine.* Cargo Battens, thickness, material and spacing *2" W.P. 9" space.*

Cargo Hatchways.-(Upper Deck) *Steel plates & angles.* Thickness of Hatches *2 3/8 Baltic pine & Sijmple mild steel 1 1/8 thick*

Size of No. 1 Hatchway (Forward) *37'6" x 18' No. 2 42'2" x 18' No. 3 " No. 4 " No. 5 " No. 6 "*

Number of Shifting Beams *Six in No. 1: Seven in No. 2: No for 5 afters.*

AILSA SHIPBUILDING CO., LIMITED.

Builder's Signature *W. H. H. H.* General Manager.

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.

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 Society's Rules for the Class Contemplated. The double bottom and peak tanks have been tested as required by rules. The weather decks and watertight bulkheads have been how tested with satisfactory results. The freeboard has been verified and cut in on vessel's side.

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

The amount of Entry Fee £ 4 : 0 : 0 Fees applied for, *15/6/36* (Special notations, where part of class, to be stated.)

Special Survey Fee.... £ 92 : 12 : 0 Received by me, *2/7*

Freeboard. Fee ... £ 8 : 0 : 0 *1.7.36*

Travelling Expenses, if any £ 4 : 10 : 0

I am of opinion the Vessel should be Classed *+100 A1.*

State whether the Vessel has been built under Special Survey *Yes.* Signature *M. H. H. H.*

Certificate to be sent to *Glasgow* Date of issue *3/7/36.* *Surveyor to Lloyd's Register of Shipping.*

Committee's Minute *GLASGOW 16 JUN 1936*

Character assigned *+100 A1*

6, 36.

Lloyd's A.C.P.

+ L.M. C. 6.36.

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.)

Sister vessel. "THE PRESIDENT" Gl. Rpt No. 56986

Approved plans.

- 1 Midship Section
- 2 Profile & Deck Plan
- 3 Stern frame & Rudder.
- 4 Stern Construction Rft and framing.
- 5 Bow end framing.
- 6 Simplex steel Hatch covers
- 7 Pumping plan.
- 8 Quadrant & Tiller.

Midship Section (as built) sent previously.

Forging Reports.

- 1 Stern frame
- 2 Rudder
- 3 Tiller
- 4 Quadrant.

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

Cruiser Stern.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	11.1.24. TM: 4766 : 17.8.34. 14.0.24.
	2nd "	11.1.23. TM: 4754 : 1.8.34. do. 14.0.23.
	3rd "	9.2.10. MB : 9470 : 24.11.31. do. 11.3.16.
		leave out See "The President"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 2.33 ft., R.Q.D. 113.66 ft., Bridge 9.16 ft., Forecastle 30.75 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

No. and Material of Decks one dk. (Stk)
Official No. 164081 : Signal Letters : Is bottom of vessel coated with cement Yes. if not give particulars of composition.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,		65.
Double bottom, under Engines and Boilers,	✓		After peak tank,		29.
Double bottom, if under Engines only,	✓		Deep tank, aft,	✓	
Double bottom, if under Boilers only,	✓		Deep tank, forward,	✓	
Double bottom, forward,	132	204.	Other tanks, if fitted,	✓	
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 6252

Date 14-11-35

Dates of Surveys held while building

1935. Nov. 29. Dec. 3. 17. 19. 26.
1936. Jan. 8. 23. 30. Feb. 3. 7. 11. 17. 26. Mar. 11. 13. Apr. 2. 9. 17. 22. 27. 29.
May 1. 5. 8. 14. 21. 25. 29. June 1. 4. 5. 8. 12.