

STEEL STEAMER ~~or~~ MOTORSHIP.

Received at London Office 20 MAY 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

18.5.36

Port of

Glasgow.

No.

56986

Survey held at

Glasgow

Date First Survey

29. Nov. 1935

Last Survey

5th May

1936.

On the

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

Machinery, aft. Single Screw

"The President."

State Type

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

Full Scantling

State Type of Erections

Pop. Rm. Bridge Niche

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 to 10.79 R.O.

Do. Long Bridge to top of keel

{ 13.76 to 10.79 R.O.

Draught Moulded

13.11 1/2

Launched

9th April 1936

Yard No. 421

Builders

Ailsa &amp; B. Co. Ltd.

Owners

J. Hay &amp; 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 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.
<b>FRAMES, Spacing amidships</b>	22"		<b>Bracket Floor, Frame</b>		
" " from 3/4 length to Collision bulkhead	"		" " Reversed Frame		
" " in peaks	"		" " Vertical Strake		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	30 x 38	
<b>Frame Amidships, Angle</b>	R.O. 6 3 33		" " top Angles	double 3 3 34	
" " Extends up to	5 1/2 3 32		" " bottom Angles	3 3 38	
<b>Reversed Frame Amidships, Angle</b>	B.A.M.		<b>Side Girders, No. each side and thickness</b>	one 2 29	
" " Extends up to	6" & 5 1/2"		<b>Margin Plate depth (excl. of flange) and thickness</b>	26 x 33	
<b>Depth of Framing Girder</b>	6" & 5 1/2"		" " Vertical Angle to Tank side	3 3 30	
<b>Frames in Uppermost Continuous tween Decks, Angle, E or F</b>			" " Bracket abaft 1/4 len. from stem	5 5 31	
" " Second tween Decks, Angle, E or F			" " Vertical Angle to Tank side		
" " Third " " " "			" " Bracket forward 1/4 len. from stem		
<b>Framing in Peaks, Angle</b>	5 3 39		" " Gussies, spacing and scantling		
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	3/4 2 5 1/4		" " Gussies, spacing and scantling		
<b>State if Frame Joggled</b>	Yes.		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	34 x 30	
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>	Deep 3. stringers.		<b>INNER BOTTOM PLATING.</b>		
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>	add 1/2 inch plate double frames increase th. of plating		<b>Breadth and thickness of Middle Line Strake</b>	40 1/2 x 34	
<b>SINGLE BOTTOM. in Boiler Room.</b>			<b>Thickness of remainder in Holds</b>	30	
<b>Floors, Depth and thickness at mid-line in Holds</b>	20 1/2 x 42		<b>Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. &amp; B. space and framing in Bunkers and Boiler Room?</b>	Yes.	
<b>Height of Brackets at side above base line at toe of frame</b>	None.		<b>BEAMS.</b>		
<b>Middle Line Keelson, on Floors, Angles, E or F</b>			<b>Uppermost Continuous Deck, amidships</b>	5 1/2 3 36	
" " " Through Plate or Intercoastal Plate	50		" " in Wells, Angle, E or F	do.	
" " " Foundation Plate on Floors	32 x 50		" " in way of Bridge, Angle, E or F	22"	
" " " Flat Plate Keel Angles	3 1/2 3 1/2 44		<b>Spacing</b>		
<b>Side Keelsons, No. each side</b>	One.		<b>Second Deck, amidships, Angle, E or F</b>	5 1/2 3 36	
" " thickness of Intercoastal Plate	42		<b>Spacing</b>	22"	
" " Angle	Bulb. 7 3 1/2 50		<b>Third Deck, amidships, Angle, E or F</b>		
<b>DOUBLE BOTTOM.</b>			<b>Spacing</b>		
<b>Solid Floors, thickness and spacing</b>	29 x 22"		<b>Fourth Deck, amidships, Angle, E or F</b>		
" " Are Frame and Reversed Frame joggled?	Yes.		<b>Spacing</b>		
<b>Bracket Floors, breadth and thickness at middle line</b>			<b>Pop Deck, Angle, E or F</b>	5 3 30	
" " breadth and thickness at margin plate			<b>Spacing</b>	22"	
			<b>Bridge Deck, Angle, E or F</b>	5 1/2 3 32	
			<b>Spacing</b>	44"	
			<b>Forecastle Deck, Angle, E or F</b>	6 3 32	
			<b>Spacing</b>	44"	



# 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.
<b>PILLARS, No. of Rows.....</b>			Stringer Plate, breadth and thickness in way of Bridge		
" in between Decks, Size and Spacing			Thickness of Plating abreast Deck openings in way of Wells	38	
" " " " "	Deep		Thickness of Plating abreast Deck openings in way of Bridge		
" in Holds	Brackets.		Thickness of Plating within line of openings...	30	
" " " " "			If Sheathed, material and thickness	none	
<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>			Stringer Plate, breadth and thickness		
Stringer Plate, breadth and thickness in Wells	66 x 50		If Plated, state thickness		
" " " " in way of Bridge	66		<b>Poop Deck.</b>		
" 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	Stringer plate	Plating, Sheathing, material and thickness	30 1/4	
Thickness of Plating abreast Deck openings in way of Bridge	30		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...			Stringer Plate, breadth and thickness	32 x 27	
If Sheathed, material and thickness	none		Plating, Sheathing, material and thickness	7 x 27 1/2 x 2 1/2	
<b>R.Q. Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	64 x 38		Stringer Plate, breadth and thickness	18 x 27	
			Plating, Sheathing, material and thickness	p. 36 1/2 x 2 1/2	

# SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		RIVETS.		RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	Spacing or to cr.	No. OF ROWS OF RIVETS.	Diam.	Spacing or to cr.	STRAPPED OR LAPPED.
FLAT PLATE KEEL	40	50	44	44	approved 48	double	3/4 3/4	Three	3/4	2 3/8	strapped
" DBLG. (if any)											
BOTTOM PLATING, No. of Strakes	7 1/2	38	34	34	42 for 1/2 rule position of CRAN	double	3/4 3/4	Two	3/4	2 3/8	lapped
BILGE PLATING, No. of Strakes		38	34	34		"	"	"	"	"	"
SIDE PLATING, No. of Strakes	67	38	34	34		"	"	"	"	"	"
UPPER DECK, Sheer-strake in Wells	45	53	34	34	78 at break	"	"	Three	"	"	strapped.
UPPER DECK, Sheer-strake in Bridge	47	44		34		"	"	"	"	"	lapped.
STRAKE BELOW Sheer-strake in Wells	51	45	34	34		"	3/4 3/4	"	3/4	2 3/8	lapped
STRAKE BELOW Sheer-strake in Bridge	51	38		34		"	"	Two	"	"	"
POOP SIDE PLATING				34		Single	3/4 3/4	Two	"	"	"
BRIDGE SIDE PLATING		27				"	"				
FORECASTLE SIDE PLATING			27			"	"	Two	3/4	2 3/8	lapped.

# WATERTIGHT BULKHEADS.

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

# STIFFENERS.

	Plating Thickness.				
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper two decks					
" " Second					
" " Third					
" " Holds	30	7/8 x 36 B.M.	27		
	40	7/8 x 44 B.M.			
COLLISION (in Hold)	38	7/8 x 30 A.	24	W. Flat.	
AFTER PEAK	30	8 x 3 x 38 B.M.	24		
	42	3 x 3 x 24 A.			

# 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.	6 1/2 x 1 1/2		6 1/2 x 1 1/2"
STERN FRAME	Propeller Post	Forging 6 1/2 x 1 1/2	Forster Ltd.	
	Rudder	See Plan (approved.)		
Speed of Vessel		not exceeding 10 1/2 knots.		
RUDDER—Type		Balanced.	Forster Ltd.	
" A x D		See Approved Plan.		
" Diam. of head		4 3/4		
" Mainpiece at top pintle		6 d.		
" " heel		4 1/2 d.		
" how constructed		Forged steel, sheathed & keyed		
" 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) *Basic Iron Works.*  
*Scottish Iron & Steel Co. Ltd.; Consett Iron Works; Colvilles Ltd.; Steel Co. of Scotland Ltd.;*  
*Dorman Long & Co. Ltd.; Etna Iron & Steel Co. Ltd.; Skinningrove Iron Co. Ltd.*  
 Has the Steel been tested as required by the Rules? *Yes.*



EQUIPMENT No 10184										LETTER J		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.			
94999	1st Bower ...	21	1	25	Stockless			22	0	0	0	21 1/4	Hingley Challenge.	H. Hingley & Sons	29.3.36. H. Green.
95000	2nd " ...	21	1	8	"			21	18	0	14	21 1/4	" "	" "	" "
95001	3rd " ...	18	0	16	"			19	4	1	14	18	" "	" "	" "
	Collective weight.	60	3	21								60 1/2			J.A. Kemp.
95004	Stream .....	5	3	11	1	2	4	8	2	3	7	5 1/4 ex stock	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.	Statury.	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.	
101981	105 3/8	1 1/8	34	51	101.	1.	10		210	1 1/8	stud link Hingley & Co.	Yotherton 14/10/35 H. Green	TOWLINE..		90	3 "	18.6	90	3 1/2.	
101997	105 5/8	"	"	"	101.	2.	18	203.				" 28/10/35 "	HAWSERS & WARPS }		90	6 "		90	6" Manila (Hawser)	
	211 1/2				203 cwt.											90	5 "		90	5" (comp)
Stream Steel Wire }	60	3 1/4 "	21 1/2	/					60	3 1/4	6/12.	Martin Black & Co.		"						
														"						

Steering Gear, Steam *4x4 1/2" Vert. Eng. J. Reid & Son. Selenmotor.* Steering Gear, Hand *J. Reid & Son.*  
*2 1/2" dia. 17.6 x 6.1 x 2.5*  
Boats *18' x 4' 1/2' 13.0 x 5.0 x 1.9* Steering Chains, Size and Test *Selenmotor* Windlass *8 1/2 x 9 Emerson Walker Ltd.*  
Ceiling in Holds, thickness and material *2 1/2" white pine* Cargo Battens, thickness, material and spacing *2" wp. 9" space.*  
Cargo Hatchways.—(Upper Deck) *Steel plates and angles.* Thickness of Hatches *2 3/8" Baltic Pine & Siple's mild steel 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 and/or Fore and Afters *Six in fore and seven in aft. No fore & afters.*

AILSA SHIPBUILDING CO., LIMITED.

Builder's Signature *M. Macleod* 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. *no.*

*The materials & 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 rule. The weather decks and watertight bulkheads have been hose tested with satisfactory results. The freeboard has been verified and "cut in" on vessel's sides.*

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

The amount of Entry Fee ..... £ *4 : 0 : 0.* Fees applied for, *19 MAY 1936*  
Special Survey Fee .... £ *92 : 12 : 0.* Received by me, *22.5 19 23/5*  
*Freeboard Fee. .... £ 8 : 0 : 0.*  
Travelling Expenses, if any £ *4 : 10 : 0.*

(Special notations, where part of class, to be stated.)

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

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

Signature *M. Macleod.*  
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *GLASGOW* Date of issue *25/5/36*

Committee's Minute *GLASGOW 19 MAY 1936*

Character assigned *+ 100 A1.*

*5.36.*

*Lloyds acc.*

*+ L.M.C. 5.36.*

*MB*



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Lloyd's Register Foundation

0222 2/2



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.)

Approved Plans:—

1. Midship Section.
2. Profile & Deck Plan.
3. Stemframe and Rudder.
4. Stem Construction and aft-end framing.
5. Fore end Framing.
6. Simplex Stow Hatch covers.
7. Pumping Plan.
8. Quadrant & Tiller.

Midship Section (as built) sent previously.

Torging Report:—

1. Stemframe.
2. Rudder.
3. Tiller.
4. Quadrant.

Please return plans for dealing with Sister Vessel.

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	2nd "	3rd "
11.1.14	T.M.S. 4755, 1.8.34; lot including pin blocks 14.0.14.	11.1.23, " 4765; 17.8.34; do 14.0.23.	9.1.18; K.H. 9004; 28.1.31; do 11.2.14.

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 2.33 ft., R.Q.D. 113.66 ft., Bridge 9.16 ft., Forecastle 20.75 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. (Stl).

Official No. 164074; Signal Letters

Is bottom of vessel coated with cement

Yes.

if not give

**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. 6251

Date

4-11-35

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.: 5. 11. 13. 20. 23. 26 Apr.: 2. 9. 17. 22. 27. 29 May.: 1. 5

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Total No. of Visits 27