

## 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

May 7<sup>th</sup> 1925.

Port of

Aberdeen.

No. 13897.

Survey held at

Aberdeen.

Date First Survey

April 25<sup>th</sup> 1924

Last Survey

May 1<sup>st</sup>

1925.

On the

(State if Machinery fitted Aft and

Yes.

SINGLE SCREW.

CHRISTINA FRASER.

State Type

(Full scantling, Complete Superstructure

Fuel Scantlings.

State Type of Erections R.Q.D. B. F.

TONNAGE under

460.82.

CLASS

100 A.1.

State if with freeboard

no.

Built at

Aberdeen.

Do of space or spaces

Length from fore part of stem to after part of stern

L 182.0.

Launched

16.10.24.

Yard No. 465.

Total

460.82.

Breadth (greatest moulded)

B 28.0.

Builders The John Duffie &amp; Co. S.B.C.

Gross Tonnage

716.68.

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

M.D. 13.7.

DRQD. 17.28.

Owners Robert W. Miller.

Age

299.44.

1st Longitudinal Number (L x D)

= 2493.

Managers

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

2nd Numeral L x (B + D)

= 7589.

Residence 28 Bond St. Sydney. N.S.W.

DIMENSIONS.

FEET.

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

M.D. 10.7.

R.Q.D. 14.3.

Port of Registry Sydney.

182.2.

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

M.D. 13.28.

R.Q.D. 10.53.

If surveyed while building, afloat, or in dry dock

28.15.

Long Bridge to top of keel

11.8.

Draught Moulded

13.62.

13.10.

First Entry.

## 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.
acing amidships	22	/	Bracket Floors, Frame	Angles	5 1/2" 3" 30"
from 1/2 length to Collision bulkhead	22	/	" " Reversed Frame	"	5" 3" 30"
in peaks	22	/	" " Vertical Struts	"	5" 3" 30"
in B. Space & Bunkers	5 1/2" 3" 36"	/	Centre Girder, depth and thickness amidships	30" x 38" 1/2" 32"	/
ships Angle, E or F	5 1/2" 3" 30"	/	Double in E. Space & Port of 1/2 L.	5" 3" 34"	/
ANGLES M.D. 5 1/2" 3" 36"		/	Double Port of 1/2 L.	3" 3" 38"	/
Extends up to uppermost Deck		/	Side Girders, No. each side and thickness One	31" x 38" 1/2" 28"	/
ame Amidships, Angle	3" 3" 28"	/	Margin Plate depth (excl. of flange) and thickness	27" x 32" 1/2" 28"	/
Boiler Space	3" 3" 38"	/	" " Vertical Angle to Tank side		/
Extends up to across top of floors		/	Bracket abaft 1/2 len. from stem		/
in E. 5' x 5' x 38" under B. Beams 4 1/2" x 4 1/2" x 38" E. 3' x 4 1/2" x 28"		/	" " Vertical Angle to Tank side		/
aming Girder	5 1/2"	/	Bracket forward 1/2 len. from stem		/
4 1/2" x 4 1/2" x 40" fitted to all frames where large Brackets		/	" " Girders, spacing and scantling		/
uppermost Continuous 'tween		/	abaft 1/2 len. from stem		/
Decks, Angle, E or F		/	" " Girders, spacing and scantling		/
Second 'tween Decks, Angle, E or F		/	forward 1/2 len. from stem		/
4 1/2" x 3 1/2"		/	Tank Side Brackets, height above base line at toe of Frame and thickness	4 1/2" x 28"	/
Peaks, Angle, E or F	4" 3" 36"	/	INNER BOTTOM PLATING.		
and Spacing of Rivets through Shell Plating	finish 5/16" dia in Peaks and forward of 1/2 L. rem. 7/16"	/	Breadth and thickness of Middle Line Strake	5 1/2" x 48" 1/2" 46"	/
ame Joggled	Yes.	/	Thickness of remainder in Holds	48" 1/2" 46"	/
ANGEMENTS (Sec. 7), state system and particulars	Beams & Stringers and as per approved Plans	/	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?	Yes.	/
NING OF BOTTOM FOR.	As per approved Plans and Section 11 of the Rules	/	BEAMS.		
State Particulars		/	Uppermost Continuous Deck, amidships		/
in		/	" " in Wells, Angle, E or F		/
th and thickness at mid-line in		/	" " in way of Bridge, Angle, E or F		/
ht of Brackets at side above		/	Spacing		/
line at toe of frame		/	RAISED QUARTER		/
Keelson, on Floor, Angles, E or F		/	Second Deck, amidships, Angle, E or F	5 1/2" 3" 32"	/
Through Plate on Intercoastal Plate		/	" " alongside Openings, Angles	4" 3" 30"	/
Foundation Plate on Floor		/	Spacing	22"	/
Flat Plate Keel Angles		/	MAIN		/
as, No. each side		/	Third Deck, amidships, Angle, E or F	5 1/2" 3" 32"	/
thickness of Intercoastal Plate		/	" " alongside Openings, Angles	4" 3" 30"	/
Angles		/	Spacing	22"	/
FTOM.		/	" " forward Col. B.H. 6' x 3' x 38" Angles	22" apart	/
th and thickness	28" x 38" in B.S.	/	Fourth Deck, amidships, Angle, E or F	5" 3" 30"	/
in E. 3' under Boiler Beams & Port of 1/2 L. Rem. on a/c. frames	Yes.	/	Five Beams abaft Col. B.H. angles	5" 3" 30"	/
Are Frame and Reversed Frame joggled?	Yes.	/	Spacing	22"	/
ors, breadth and thickness at middle line	22 1/2" x 28" x 38" B.S.	/	W.T. FLAT FOR		/
breadth and thickness at margin plate	22 1/2" x 28" x 38" B.S.	/	Peop Deck, Angle, E or F	5 1/2" 3" 36"	/
		/	Spacing	22"	/
		/	Bridge Deck, Angle, E or F	5" 3" 32"	/
		/	Spacing	44"	/
		/	Forecastle Deck, Angle, E or F	5" 3" 32"	/
		/	Plated over 25' x 25' P.P. Keel plating	6 1/2" x 3" x 36"	/
		/	Spacing	22"	/



# 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.
	Breadth.	Thickness.			Breadth.	Thickness.	
9'6" in 'tween Decks, Size and Spacing.....	3" at 4'6"				6'0" x 3'4"		
Additional Pillaring below Winch to 1st.	2 3/4" at 4'6"				5'0" x 3'6"		
" " 2nd Stairs 2nd & Aft	2 3/4" at 4'6"						
" in Holds							
" " Engine Room "	2 at 5' + 2 at 2 3/4"				2'5" x 3'0"		
<b>Centre Line Bulkhead.</b>							
<b>Stiffeners and Spacing.</b>							
<b>Plating thickness of</b>							
<b>STRINGERS AND DECKS.</b>							
<b>Uppermost Continuous Deck. R. Q. D.</b>							
Stringer Plate, breadth and thickness in Wells & in way Casings	6'0" x 3'2"	3'0" x 3'6"					
" " in way of Bridge							
" Angle in Wells	3 1/2"	3 1/2"					
Thickness of Plating abreast Deck openings in way of Wells							
Thickness of Plating abreast Deck openings in way of Bridge							
If Sheathed, material and thickness							
<b>MAIN Second Deck.</b>							
Stringer Plate, breadth and thickness in Wells	6'0" x 5'0"	6'3" x 3'6"					
" " angles	3 1/2"	3 1/2"					
<b>Stringer plate at fore end.</b>							
Stringer Plate, breadth and thickness in way of Bridge							
Thickness of Plating abreast Deck openings in way of Wells							
Thickness of Plating abreast Deck openings in way of Bridge							
If Sheathed, material and thickness in Bridge & 2nd = 2 1/2" Cast Cement							
Thickness of Deck plating fore & aft. R.P. 1. Hatch = 2'6" as approved							
<b>Third Deck. W.T. FLAT. FORWARD.</b>							
Stringer Plate, breadth and thickness	2'5" x 3'0"						
If Plated, state thickness							
<b>Fourth Deck. W.T. FLAT. AFT.</b>							
Stringer Plate, breadth and thickness							
If Plated, state thickness							
<b>Deep Deck.</b>							
Stringer Plate, breadth and thickness							
Plating, Sheathing, material and thickness							
<b>Bridge Deck.</b>							
Stringer Plate, breadth and thickness	3'1" x 2'6"						
Plating, Sheathing, material and thickness	7' x 2'6"	2 1/2" P.P.					
<b>Forecastle Deck.</b>							
Stringer Plate, breadth and thickness	1'7" x 2'6"						
Plating, Sheathing, material and thickness	Plated all over = 2 1/2" P.P.	7' x 2'6" Dies 4 1/2" P.P.					

## SHELL PLATING.

SCANTLINGS.						RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	no.	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"	46" ✓	42" ✓	42" ✓	✓	✓	4 1/2" Double.	3/4"	3 1/2".	✓	3. ✓	3/4"	2 5/8"	3 R. lapped.
" DBLG. (if any)	✓	✓	✓	✓			✓	✓	✓		✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes .....R.....	63.72	36" ✓	36" ✓	32" ✓	✓	✓	4 1/2" Double.	3/4"	3 1/2"	✓	2	3/4"	2 5/8"	2 R. lapped.
BILGE PLATING, No. of Strakes .....I.....	54"	36" ✓	32" ✓	32" ✓	✓	✓	" "	" "	" "	"	"	" "	" "	" "
SIDE PLATING, No. of Strakes F.F.A. A.F.I. 2	54.48	36" ✓	32" ✓	32" ✓	✓	✓	" "	" "	" "	"	"	" "	" "	" "
UPPER DECK, Sheer-strake in Wells.....	44"	60" - 41" ✓	32" ✓	✓	✓	✓	Lower edge Double Top edge Single	"	"		3	7/8" + 3/4"	3 1/2" + 2 5/8"	3 R-2 R "
UPPER DECK, Sheer-strake in Bridge ...	44"	60" ✓	✓	✓	✓	✓	4 1/2" Double.	"	"		"	7/8"	3 1/8"	3 R. "
STRAKE BELOW Sheer-strake in Wells.....	48"	44" - 41" ✓	32" ✓	✓	✓	✓	" "	" "	" "		"	3/4"	2 5/8"	3 R-2 R "
STRAKE BELOW Sheer-strake in Bridge ...	48"	44" ✓	✓	✓	✓	✓	" "	" "	" "		"	"	"	3 R. "
POOP SIDE PLATING .....	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
BRIDGE SIDE PLATING ...	49"	26" ✓	✓	✓			4 1/2" Double.	3/4"	3 1/2"	✓	✓	✓	✓	✓
FORECASTLE SIDE PLATING	44"	✓	26" ✓	✓			" "	" "	" "	✓	2.	3/4"	2 5/8"	2 R. lapped.

## WATERTIGHT BULKHEADS.

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

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	Rolled Steel	6 1/2" x 1 3/8"	Brown & Davis.	
STERN FRAME { Propeller Post	Forging	6 1/2" x 3 1/2"	Carnegie	6' x 3 1/2"
{ Rudder	Forging	6' x 3 1/2"	"	5 1/2" x 3 1/2"
RUDDER - A x D		9'3" x 1'1"		
Speed of Vessel		Under 10 Knots.		
RUDDER mainpiece at head	Forging	5"	Carnegie	3"
" " heel	"	3 1/4"	"	3"
" how constructed	Forged Scrap Iron.	Arms shrunk on and keyed to main piece.		
" double or single plate coupling, vertical or horizontal	Single plate	8"		

## STEEL.

Manufacturer's name or trade mark of the Steel used in the construction of the	
Vessel (state process of manufacture)	Siemens Martin, B. Colville & Sons.
Scottish S&W Co. Ltd.	Pollock & Vaughan & Co. Ltd.
Cargo Steel Iron Co. Ltd.	The Lanarkshire Steel Co. Ltd.
Has the Steel been tested as required by the Rules?	Yes.

R. Q. D. SHEER = 4'7 1/2" x 4'0" TO 3'2" .52 AT BREAK BUTTS 3 R. TO 2 R. 2 3/8" PITCH.  
STRAKE BELOW = 4'4" x 4'0" TO 3'2"

No.  
for ch  
of  
may be  
The  
follow  
Rules  
For sh  
50 per c  
For eng  
In  
expenses  
In  
which  
W  
underst  
in any r  
Society.  
No. 4  
To the



EQUIPMENT No. 8415										LETTER J	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.			
58380	1st Bower	16	2	0	17	16	1	0	17	16	1	0	2.9.24. Lesson
58379	2nd "	16	1	21	"	"	"	"	17	14	0	7	" 2.9.24. "
58378	3rd "	16	0	10	"	"	"	"	17	9	2	21	" 2.9.24. "
	Collective weight.	49	0	3					48	0	0		
58363	Stream	4	3	14	1	1	0	7	5	0	0		25.8.24 "

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.	Break- ing.	Supplied.			Per Rule.	Length.	Diam.					Length.	Cir.		Tons.	Length.	Cir.
					Fathoms.	Ins.	Tons.													
59151.	210 <sup>2</sup> <sub>5</sub>	1 <sup>1</sup> <sub>4</sub> "	288 <sup>1</sup> <sub>8</sub>	428 <sup>1</sup> <sub>8</sub>	170.	2.	25	168.	210	1 <sup>1</sup> <sub>4</sub> "	Slud	~~~~~	Diplom 9.9.24 Lesson	TOWLINE	75	2 <sup>1</sup> <sub>4</sub> "	15.5	75	2 <sup>1</sup> <sub>4</sub> "	
														HAWSERS & WARPS	90.	6"	Manilla	90.	6"	
<del>Long Steam- ship</del> Steel Wire	60	Cir. 3"	✓	18.					60	Cir. 3"	G.S.W.	J. & E. Wright		"	90.	4 <sup>1</sup> <sub>2</sub> "	"	90.	4 <sup>1</sup> <sub>2</sub> "	

Steering Gear, Steam 5"x5" by R. Roger & Co. Ld. Stockton-on-Tees. Steering Gear, Hand by Donkin & Co. Ld. Nels. Screw Gear 3 3/4".  
2 Life Boats 20'0"x6'9"x2'7".  
Boats 1 Working Boat 14'0"x5'3"x2'0". Steering Chains, Size and Test 3/4" shgal links 6 1/4 Tons. Windlass 7'8" Quick Winding by Emerson, Walker & Thompson.

Ceiling in Holds, thickness and material none. Cargo Battens, thickness, material and spacing none.

Cargo Hatchways.—(Upper Deck) Steel plates & angles (as approved) Side & End Coaming 1/2". Thickness of Hatches 3" White Pine.

Size of No. 1 Hatchway (Forward) 30'4" x 3'6" high. No. 2 31'11"x18'6"x3'0" None. No. 4 No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters No. 1 = 4. No. 2 = 5. Signs as approved. 18'6"10"x36" 4"x3 1/2"x4 1/4".

Builder's Signature THE JOHN DUTHIE TORRY SHIPBUILDING COY.  
pp Johnston.

GENERAL DECLARATION This vessel has been built in accordance with the Secretariat letters, the Rules and approved plans, for the intended class 100. a. 1.

The Materials and Workmanship are good.

The Double Bottom, Peak Tanks, Weather Decks, Bulkhead, Watertight Doors and Hand Pumps have been satisfactorily tested.

The Freeboard marks have been cut in and verified.

The following approved plans are forwarded herewith, viz:—Midship Section, Profile & Decks, Stern Frame & Rudder, Bulkheads, Fore end stiffening, Hatch plan, Centre girder & Tank Top, Mask and Pumping Plan, together with one report on Forging also plan of Chain Locker.

This vessel was docked on Pontoon 3 on 25.4.25 and cleaned and coated.

50 Tons of Permanent Ballast have been placed on the bottom of the vessel in No. 2.

Double Bottom Tank consisting of rivet punchings and cement.

The amount of Entry Fee ..... £ 4 : 0 : 0 Fees applied for, May 14, 1925

Special Survey Fee, ... £ 71 : 14 : 0 Received by me, 15/7/25

Freeboard Fee £ 4 : 0 : 0

Travelling Expenses, if any £ : : :

I am of opinion the Vessel should be Classed \* 100. A. 1. CARGO BATTENS NOT FITTED.

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

Signature J. Richardson  
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Aberdeen Date of issue 16/7/25

Committee's Minute TUES. 10 MAY 1925

Character assigned 100A1  
Cargo batten not fitted  
Lloyd's reg. P.

+ Lm. 5.25  
C.L.





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.)

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

1st Run  
2nd "  
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of ~~Deck~~ R.O.D. 106.5 ft., Bridge 9.0 ft., Forecastle 36.66 ft.  
(in feet and tenths). ~~When the Poop is joined to the R.D., this should be distinctly stated.~~

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

One Deck (steel)

Official No. ~~not used~~; Signal Letters

If bottom of Vessel has been coated Inside

Yes

particulars of composition Cement, Bilge to Bilge in all D.B. Tanks, except Boiler Room Tank. Bitumastic Enamel in Hold Limbers and inside Boiler Room Tank.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Cap.	
	Feet.	Tons.		Feet.	Tons.	
Double bottom, aft,	N. 2	59. ✓	75	Fore peak tank,	20.	54
<del>Double bottom, under Engines and Boilers,</del>	✓	✓	✓	After peak tank,	11.	6
Double bottom, if under Engines only,	N. 4.	19. ✓	14.	<del>Deep tank, aft,</del>	✓	✓
Double bottom, if under Boilers only,	N. 3.	17. ✓	18.	<del>Deep tank, forward,</del>	✓	✓
Double bottom, forward,	N. 1.	52. ✓	77	<del>Other tanks, if fitted,</del>	✓	✓
067 36	Total capacity of double bottom	184. ✓	<del>(If necessary, furnish further information by sketch)</del>	✓	✓	

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

Order for Special Survey No. 1698.

Date 18.3.24.

Dates of Surveys held while building

1924. April 25. 29. May 16. 23. 30. June 3. 12. 20. 27. July 8. 15. August 1. 8. 12. 20. 25. 27. September 7. 20. 25. October 2. 7. 9. 13. 14. 15. 16. 20. 24. 30. November 6. 12. 17. 24. December 3. 9. 12. 17. 18. 22. 23. 26. 1925. January 6. 9. 20. 28. February 4. 10. 11. 3. March 4. 23. April 2. 6. 7. 9. 15. 17. 21. 24. 28. 29. May 1.

Total No. of Visits 63.