

## STEEL STEAMER or MOTORSHIP

Received at London Office 11 JUN 1928

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 June 7<sup>th</sup> 1928 Port of Aberdeen No. 15223.  
Survey held at Aberdeen Date First Survey Jan 15<sup>th</sup> 1928 Last Survey June 4<sup>th</sup> 1928.  
On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Yes single screw - "St Clement"  
State Type (Full scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling. State Type of Erections R.Q.D. B.D. F.D.

TONNAGE under Tonnage Deck... 323.82  
Do. of space or spaces between Tonnage Dk. and Upper Dk.  
Total 323.82  
Gross Tonnage 449.73  
Register Tonnage 178.65

## REGISTERED DIMENSIONS.

Length 156.3  
Breadth 25.65  
Depth 9.85

CLASS 100 A.1. State if with freeboard as condition of Class No.  
Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 156.0  
Breadth (greatest moulded) B 25.6  
Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 12.0 M.D. 15.6 Q.D.  
1st Longitudinal Number (L x D) = 1872  
2nd Numeral L x (B + D) = 5850  
Framing Depth "d" at middle of length. See Sec. 3 (1d) B.S. = 14.42 E.S. = 11.62 M.D. = 9.58 Q.D. = 13.51  
Proportions—Depth to Length—Uppermost continuous deck to top of keel MAIN 13.0  
Do. Long Bridge to top of keel 10.1  
Draught Moulded 11.92

Built at Aberdeen  
Launched 3.5.28 Yard No. 695  
Builders Hall Russell & Co. Ltd.  
Owners M. of Scotland & Orkney & Shetland S.N. Co. Ltd.  
Managers (Where necessary to be entered in Reg. Book.)  
Residence Aberdeen  
Port of Registry Aberdeen  
If surveyed while building, afloat, or in dry dock 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.
<b>FRAMES, Spacing amidships</b> Throughout	2 1/2		<b>Bracket Floors, Frame</b>	
" " from length to Collision bulkhead			" " Reversed Frame	
" " in peaks	2 1/2		" " Vertical Struts	
<b>IDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	29" x 36" 6" 35" x 30" for d.
<b>Frame Amidships, Angle, E or F</b>	5" 3" 26"		" " top Angles	3" 3" 31"
" " in way of Boilers & Bunkers	5" 3" 26"		" " bottom Angles	3" 3" 35"
" " Extends up to	uppermost Deck		<b>Side Girders, No. each side and thickness</b>	28" 28" as per plan.
<b>Reversed Frame Amidships, Angle, E or F</b>	3" 3" 28"	single.	<b>Margin Plate depth (excl. of flange) and thickness</b>	19" 30"
" " in way of Boilers & Bunkers 3" x 2 1/2" x 40"	3 1/2" x 3 1/2" x 34"	double.	" " Vertical Angle to Tank side	3" 3" 48"
" " Extends up to	as per approved plans		" " Bracket abaft 1/2 len. from stem	3" 3" 48"
<b>Double under Boiler Beams.</b>	3 1/2" 3 1/2" 50"		<b>SHELL</b> Vertical Angle to Tank side	3" 3" 31"
<b>Depth of Framing Girder</b>	5"		" " Bracket forward 1/2 len. from stem	3" 3" 31"
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or F</b>			" " Gussets, spacing and scantling abaft 1/2 len. from stem	
" " Second 'tween Decks, Angle, E or F			" " Gussets, spacing and scantling forward 1/2 len. from stem	
" " ON FLOORS IN D. BOTTOM.	3" 3" 28"	30" x 1/2" 4 1/2" x 1/2" x 28"	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	30 1/2" x 30"
<b>Framing in Peaks, Angle or F</b>	5" 3" 26"	in after Peak	<b>INNER BOTTOM PLATING.</b>	
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	3" 3" 20"	Double in D. Bottom	Breadth and thickness of Middle Line Strake	39" x 31" 6" 29"
<b>State if Frame Joggled</b>	Yes		Thickness of remainder in Holds	28"
<b>FRAMING ARRANGEMENTS (Sec. 7), state system and particulars</b>	Web frame & Deep frames 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, as approved.
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>	As per approved plans & Section 11 of the Rules.		<b>BEAMS.</b>	
<b>ANGLE BOTTOM. IN E.S. B.S. &amp; BUNKERS.</b>			<b>Uppermost Continuous Deck, amidships</b>	6" 3" 40" 6" x 3 1/2" for d.
<b>Floors, Depth and thickness at mid-line in Holds</b>	13" x 30" in Bunkers 34" in E.S. 4" 10" in B.S. 36" angled floors + 02		" " in way of Bridge, Angle, E or F	6" 3" 40" 6" x 3 1/2" x 30"
Height of Brackets at side above base line at toe of frame	26" in B.S.		Spacing	on alternate frames
<b>Middle Line Keelson, on Floors, Angles, E or F</b>	12" x 32" x 14" in B.S. only		<b>QUARTER</b> Second Deck, amidships, Angle, E or F	6" 3" 40" 6" 5" x 3" x 30" aft
" " Through Plate or Intercoastal Plate	34" in E.S. 46" in B.S. CONTINUOUS.		Spacing	on alternate frames & as Profile
" " Foundation Plate on Floors Vertical Bars	3" x 3" x 34" and 46" B.S. Double.		<b>HALF BEAMS.</b>	
" " Flat Plate Keel Angles	3 1/2" 3 1/2" 38"		<b>Third Deck, amidships, Angle, E or F</b>	6" 3" 30"
<b>Side Keelsons, No. each side</b>	one in Boiler Space & Bunkers		Spacing	on alternate frames
" " thickness of Intercoastal Plate	39"		<b>Fourth Deck, amidships, Angle, E or F</b>	
" " Angles	6" 3 1/2" 46" 3" 3" 29"		Spacing	
<b>DOUBLE BOTTOM.</b>			<b>W.T. FLAT FOR</b> Poop Deck, Angle, E or F	6" 3" 32" 6" 5" x 3" x 30"
<b>Solid Floors, thickness and spacing</b>	28" on every frame		Spacing	on every frame
" " Are Frame and Reversed Frame joggled?	Yes		<b>Bridge Deck, Angle, E or F</b>	5" 3" 26"
<b>BOILER STOODS</b> Bracket Floors, breadth and thickness at middle line	50"		Spacing	on alternate frames
" " breadth and thickness at margin plate			<b>Forecastle Deck, Angle, E or F</b>	5 1/2" 3" 34"
			Spacing	as per Profile



## 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> .....	✓	✓	✓						
<i>3 etc</i>									
in 'tween Decks, Size and Spacing.....		<i>2 1/2 dia</i>	<i>Bridge 2 1/4</i>						
" " " " " "		<i>2 1/4 dia</i>							
" " " " " "									
in Holds " " "		<i>3" dia under Bridge</i>							
<i>fore end No. 1 Hatch</i>		<i>12" x 3 1/2" x 26" channel</i>							
<i>6" x 3" x 30" B. A.</i>									
<b>Centre Line Bulkhead</b> .....	✓	✓	✓						
<b>Stiffeners and Spacing</b> .....	✓	✓	✓						
<b>Plating, thickness of</b> .....	✓	✓	✓						
<b>STRINGERS AND DECKS.</b>									
<b>Uppermost Continuous Deck. MAIN.</b>									
Stringer Plate, breadth and thickness in Wells		<i>36" x 32"</i>	<i>6" 30"</i>	✓					
" " " " in way of Bridge		<i>36" x 48"</i>		✓					
" Angle in Wells .....		<i>3" 3" 32"</i>		✓					
Thickness of Plating abreast Deck openings in way of Wells .....		<i>29" x 28" at ends</i>		✓					
Thickness of Plating abreast Deck openings in way of Bridge .....		<i>28" x 29"</i>		✓					
Thickness of Plating within line of openings...		<i>28"</i>		✓					
If Sheathed, material and thickness .....		<i>5" x 2 1/2" P.P.</i>		✓					
<b>Second Deck. QUARTER.</b>									
Stringer Plate, breadth and thickness in Wells		<i>42" x 32"</i>	<i>6" 30"</i>	✓					
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 .....									
Thickness of Plating within line of openings...									
If Sheathed, material and thickness .....									
<b>Third Deck. W.T. FLAT FOR.</b>									
Stringer Plate, breadth and thickness.....		<i>30"</i>		✓					
If Plated, state thickness.....		<i>30"</i>		✓				<i>Planged to shell.</i>	✓
<b>Fourth Deck</b> .....									
Stringer Plate, breadth and thickness.....				✓					
If Plated, state thickness.....				✓					
<b>Peep Deck</b> .....									
Stringer Plate, breadth and thickness.....				✓					
Plating, Sheathing, material and thickness .....				✓					
<b>Bridge Deck.</b>									
Stringer Plate, breadth and thickness.....		<i>27"</i>	<i>24"</i>	✓					
" Angle .....		<i>3"</i>	<i>3"</i>	✓					
Plating, Sheathing, material and thickness .....		<i>5" x 2 1/2" P.P.</i>		✓					
<b>Forecastle Deck.</b>									
Stringer Plate, breadth and thickness .....		<i>14 1/2"</i>	<i>24"</i>	✓					
" Angle .....		<i>3"</i>	<i>3"</i>	✓					
Plating, Sheathing, material and thickness .....		<i>5" x 2 1/2" P.P. sheathing</i>		✓					

## SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	TOP EDGES. State if joggled? <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.	
FLAT PLATE KEEL .....	<i>38"</i>	<i>1/4"</i>	<i>1/4"</i>	<i>1/4"</i>	<i>✓</i>	<i>1 1/2" Double</i>	<i>3/4"</i>	<i>3"</i>	<i>3 R to 2 R.</i>	<i>3/4"</i>	<i>2 5/8"</i>	<i>Drapped</i>
" <i>DECK (if any)</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
BOTTOM PLATING, No. of Strakes ..... <i>2</i> ....}	<i>A. 53"</i>	<i>3/4"</i>	<i>3/4"</i>	<i>30"</i>	<i>✓</i>	<i>1 1/2" Double</i>	<i>3/4"</i>	<i>3"</i>	<i>2 R.</i>	<i>3/4"</i>	<i>2 5/8"</i>	<i>Lapped</i>
BILGE PLATING, No. of Strakes ..... <i>1</i> ....}	<i>B. 53"</i>	<i>3/4"</i>	<i>3/4"</i>	<i>30"</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
SIDE PLATING, No. of Strakes <i>(F.P. 2 AFT.)</i>	<i>C. 53"</i>	<i>3/4"</i>	<i>30"</i>	<i>30"</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
	<i>D. 48 1/2"</i>	<i>3/4"</i>	<i>30"</i>	<i>30"</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
UPPER DECK, Sheer-strake in Wells <i>(F.P. 2 AFT.)</i>	<i>E. 48"</i>	<i>3/4"</i>	<i>30"</i>	<i>30"</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
UPPER DECK, Sheer-strake in Bridge ...}	<i>F. 43"</i>	<i>1/2"</i>	<i>30"</i>	<i>✓</i>	<i>Increased to 6" 62 Break</i>	<i>Single</i>	<i>"</i>	<i>"</i>	<i>3 R + 2 R.</i>	<i>"</i>	<i>"</i>	<i>Lapped</i> <i>Diaps at Ends</i>
STRAKE BELOW Sheer-strake in Wells.....}	<i>G. 41 1/2"</i>	<i>3/8"</i>	<i>✓</i>	<i>30"</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>2 R.</i>	<i>"</i>	<i>"</i>	<i>Lapped</i>
STRAKE BELOW Sheer-strake in Bridge <i>(F.P. 2 AFT.)</i>	<i>E. 48"</i>	<i>3/8"</i>	<i>30"</i>	<i>✓</i>	<i>✓</i>	<i>1 1/2" Double</i>	<i>3/4"</i>	<i>3"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
BULWARK	<i>F. 43"</i>	<i>3/8"</i>	<i>✓</i>	<i>30"</i>	<i>✓</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>Lapped</i> <i>Diaps at Ends</i>
POOP SIDE PLATING .....	<i>✓</i>	<i>✓</i>	<i>5/16"</i>	<i>25"</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>1 R.</i>	<i>"</i>	<i>"</i>	<i>Lapped</i>
BRIDGE SIDE PLATING ...	<i>✓</i>	<i>25"</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>Single</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
FORECASTLE SIDE PLATING	<i>✓</i>	<i>✓</i>	<i>24"</i>	<i>✓</i>	<i>✓</i>	<i>"</i>	<i>3/4"</i>	<i>3"</i>	<i>1 R.</i>	<i>3/4"</i>	<i>2 5/8"</i>	<i>"</i>

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel</b> .....	
Extending to Upper Deck (Sec. 3 c).....	<i>Three</i>
" Deck next below.....	
As per Rule <i>and approved</i> .....	<i>Three</i>

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD, Upper 'tween decks</b> .....	<i>N° 33</i>	<i>26"</i>	<i>7' x 3" x 34"</i>	<i>30"</i>	✓
" " <i>Second</i> " .....					
" " <i>Third</i> " .....					
" " <i>Holds</i> .....					
<b>COLLISION</b> " <i>(in Hold)</i> .....	<i>N° 75</i>	<i>26"</i>	<i>5' x 3" x 28"</i>	<i>24"</i>	<i>W.T. Plating</i>
<b>AFTER PEAK</b> " .....	<i>N° 5</i>	<i>30"</i>	<i>5' x 3" x 28"</i>	<i>24"</i>	✓

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....	✓			✓
<b>STEM</b> .....	✓	<i>6" x 1 1/4"</i>	<i>Scottish Iron &amp; Steel Co.</i>	✓
<b>STERN FRAME</b> { Propeller Post .....	<i>Forging</i>	<i>5 1/4" x 3 1/8"</i>	<i>T. S. D. &amp; Sons Ltd.</i>	✓
{ Rudder " .....	"	<i>5 1/2" x 3 1/8"</i>	"	✓
<b>RUDDER—A x D</b> .....	✓	<i>95" x 2"</i>		✓
<b>Speed of Vessel</b> .....		<i>9 knots</i>		✓
<b>RUDDER</b> mainpiece at head .....	<i>Forging</i>	<i>48"</i>	<i>Hall Russell &amp; Co.</i>	✓
" " heel .....	"	<i>3 1/2"</i>	"	✓
" how constructed .....		<i>Mild rolled steel. Arms shunk on and keyed to main piece</i>		✓
" double or single plate .....		<i>82"</i>		✓
" coupling, vertical or horizontal.....		<i>none</i>		✓

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Siemens Martin*  
*Scottish Iron & Steel Co. Ltd. The Steel Co. of Scotland Ltd. The Lanarkshire Steel Co. Ltd. Dorman Long & Co. Ltd.*  
*The Consett Iron Co. Ltd. D. Colville & Sons Ltd.*  
 Has the Steel been tested as required by the Rules? *Yes*







**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 Certificate, Date of Test.

1st Bower	6.1.26.	D.D.W.	1376.	30.1.28.	Slend.
2nd "	6.1.18.	"	1374.	"	"
3rd "	5.1.26.	"	1360	19.1.28.	"

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 84.70 ft., R.Q.D. 84.70 ft., Bridge 14.21 ft., Forecastle 25.29 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) One Deck (Steel.)

Official No. 14895A.; Signal Letters

Is bottom of Vessel coated with cement Yes. if not give

particulars of composition to upper turn of Bilge throughout vessel. Bituminous solution in Bunkers.

**PARTICULARS OF WATER BALLAST.**—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, <u>aft, Forward.</u>	<u>NP.1. S.W. 23.3½</u>	<u>30.</u>	Fore peak tank,	<u>S.W. 21.2</u>	<u>39.</u>
Double bottom, <u>under Engines and Boilers.</u>	<u>NP.2. S.W. 14.0</u>	<u>60</u>	After peak tank,	<u>S.W. 9.5</u>	<u>27.</u>
Double bottom, <u>if under Engines only.</u>	<u>NP.3. F.W. 8.1½</u>	<u>12</u>	Deep tank, aft,		
Double bottom, <u>if under Boilers only.</u>			Deep tank, forward,		
Double bottom, <u>forward.</u>	<u>75.3</u>		Other tanks, if fitted,		
Total capacity of double bottom		<u>102.</u>	(If necessary, furnish further information by sketch.)		

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

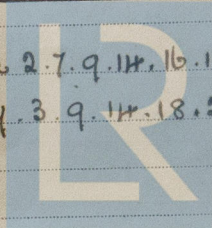
Order for Special Survey No. 1738.

Date 2.1.28.

Dates of Surveys held while building

1928. Jan. 15. 27. Feb. 14. 17. 20. 23. March 2. 7. 9. 14. 16. 19. 22. 26. 28. 30.  
April 9. 10. 16. 19. 20. 23. 27. May 3. 9. 14. 18. 21. 23. 24. June 4.

Total No. of Visits 31.



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