

## STEEL STEAMER or MOTORSHIP

Received at London Office JAN 25 1940

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *from Hwa*

Date of completion of report

24 January 1940 Port of *Sunderland*

No. 32788

Survey held at

*Sunderland*

Date First Survey 3rd May 1939

Last Survey 15th January 1940

On the

55. *BEECHWOOD* Single Screw.

State Type

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

*Complete Superstructure with Tonnage Openings* Type of Erections *CSS*

TONNAGE under Tonnage Deck

4355.28

CLASS +100 A.1.

State if with freeboard as condition of Class

YES

Built at *Sunderland*

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

Total

Gross Tonnage

4896.93

Register Tonnage

2757.25

REGISTERED DIMENSIONS. FEET.

Length

415.10

Breadth

58.25

Depth

24.85

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

L 405.00

Breadth (greatest moulded)

B 57.112

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

D 35.10

1st Longitudinal Number (L x D)

= 14511

2nd Numeral L x (B + D)

= 37985

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

11.15

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

11.15

Do. Long Bridge to top of keel

24.9 7/8

Draught Moulded

Launched 9.11.39 Yard No. 727

Builders *Sir James Laing & Sons Ltd.*Owners *John S. Jacobs Ltd*

Managers

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

Residence

Port of Registry *LONDON*

If surveyed while building, afloat, or in dry dock

YES

## 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	30 ✓		Bracket Floors, Frame	L NBS ✓ 6x3 1/2 x 37 ✓	
" " from 1/2 length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	L NBS 5 1/2 x 3 x 37 ✓	
" " in peaks	24 ✓		" " Vertical Struts	2 @ 8 x 3 1/2 x 32 x 42 cl ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42 1/2 x 53 ✓	
Frame Amidships, Angle, [ or ]	12 x 4 x 4 x 52 ✓		" " top Angles	3 1/2 x 3 1/2 x 47 ✓	
" " Extends up to	2nd Deck ✓		" " bottom Angles	4 x 4 x 53 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	One 37 ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	39 x 53 ✓	
Depth of Framing Girder	12 ✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	5 x 5 x 43 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	7 x 3 1/2 x 36 ✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem to Panting Area	6 x 6 x 43 ✓	
" " Second 'tween Decks, Angle, [ or ]	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	10 1/2 x 41 fl. 2 continuous ✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	16 x 41 fl. 2 continuous ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	43 1/2 x 44 ✓	
" " in Peaks, Angle or [	8 x 3 1/2 x 34 ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5 3/4 ✓		Breadth and thickness of Middle Line Strake	60 x 50 ✓	
State if Frame Joggled	YES ✓		Thickness of remainder in Holds	43 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES ✓		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 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES ✓		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]	10 x 3 1/2 x 40 ✓	
Floors, Depth and thickness at mid-line in Holds	✓		" " in way of Bridge, Angle, [ or ]	✓	
Height of Brackets at side above base line at toe of frame	✓		Spacing	every 4 ✓	
Middle Line Keelson, on Floors, Angles, [ or ]	✓		Second Deck, amidships, Angle, [ or ]	12 x 3 1/2 x 45 ✓	
" " Through Plate or Intercostal Plate	✓		Spacing	every 4 ✓	
" " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, [ or ]	✓	
" " Flat Plate Keel Angles	✓		Spacing	✓	
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, [ or ]	✓	
" " thickness of Intercostal Plate	✓		Spacing	✓	
" " Angles	✓		Poop Deck, Angle, [ or ]	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	39 every 3rd ✓		Bridge Deck, Angle, [ or ]	✓	
" " Are Frame and Reversed Frame joggled?	YES ✓		Spacing	✓	
Bracket Floors, breadth and thickness at middle line	33 x 41 ✓		Forecastle Deck, Angle, [ or ]	8 x 3 x 36 ✓	
" " breadth and thickness at margin plate	41 ✓		Spacing	every 4 ✓	



# 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.
Stringer Plate, breadth and thickness in way of Bridge .....	✓				✓		
Thickness of Plating abreast Deck openings in way of Wells .....	✓				36 ✓		
Thickness of Plating abreast Deck openings in way of Bridge .....	✓				✓		
Thickness of Plating within line of openings...	✓				34 ✓		
If Sheathed, material and thickness .....	✓				✓		
<b>Centre Line Bulkhead.</b>							
Stiffeners and Spacing.....	11x3 1/2x44L	5'0" apart	& as off.	✓			
Plating, thickness of .....	30						
<b>STRINGERS AND DECKS.</b>							
<b>Uppermost Continuous Deck.</b>							
Stringer Plate, breadth and thickness in Wells .....	59x59			✓			
" " " " in way of Bridge .....	✓						
" Angle in Wells .....	6x6x59			✓			
Thickness of Plating abreast Deck openings in way of Wells .....	50			✓			
Thickness of Plating abreast Deck openings in way of Bridge .....	✓						
Thickness of Plating within line of openings...	39			✓			
If Sheathed, material and thickness .....	✓						
<b>Second Deck.</b>							
Stringer Plate, breadth and thickness in Wells...	63x39			✓			
Stringer Plate, breadth and thickness .....							
If Plated, state thickness.....					✓		
<b>Third Deck.</b>							
Stringer Plate, breadth and thickness.....					✓		
If Plated, state thickness .....					✓		
<b>Fourth Deck.</b>							
Stringer Plate, breadth and thickness.....					✓		
If Plated, state thickness .....					✓		
<b>Poop Deck.</b>							
Stringer Plate, breadth and thickness .....					✓		
Plating, Sheathing, material and thickness ...					✓		
<b>Bridge Deck.</b>							
Stringer Plate, breadth and thickness.....					✓		
Plating, Sheathing, material and thickness ...					✓		
<b>Forecastle Deck.</b>							
Stringer Plate, breadth and thickness.....					36 ✓		
Plating, Sheathing, material and thickness ...					32 ✓		

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			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 .....	5 1/2 ✓	77 ✓	67 ✓	67 ✓		D ✓	7/8 ✓	3 1/3 ✓	4 ✓	1 ✓	4 ✓	L ✓
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes <i>ABC</i> .....		58 ✓	65 ✓	50 ✓		D ✓	7/8 ✓	3 1/3 ✓	3 ✓	7/8 ✓	3 1/8 ✓	L ✓
BILGE PLATING, No. of Strakes <i>DE</i> .....		58 ✓	58 ✓	48 ✓		D ✓	7/8 ✓	3 1/3 ✓	3 ✓	7/8 ✓	3 1/8 ✓	L ✓
SIDE PLATING, No. of Strakes <i>FGH</i> .....		58 ✓	58 ✓	46 ✓		D ✓	7/8 ✓	3 1/3 ✓	3 ✓	7/8 ✓	3 1/8 ✓	L ✓
UPPER DECK, Sheer- strake in Wells.....	72 ✓	68 ✓	58 ✓	46 ✓		D ✓	7/8 ✓	3 1/3 ✓	4 ✓	7/8 ✓	3 1/2 ✓	L ✓
UPPER DECK, Sheer- strake in Bridge ...												
STRAKE BELOW Sheer- strake in Wells.....	72 ✓	60 ✓	58 ✓	46 ✓		D ✓	7/8 ✓	3 1/3 ✓	3 ✓	7/8 ✓	3 1/8 ✓	L ✓
STRAKE BELOW Sheer- strake in Bridge ...												
POOP SIDE PLATING .....												
BRIDGE SIDE PLATING ...												
FORECASTLE SIDE PLATING	✓		40 ✓	✓		5 ✓	3/4 ✓	3	1 ✓	3/4 ✓	2 7/8 ✓	L ✓

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	
Extending to Upper Deck (Sec. 3 c)	1 ✓
" Deck next below	5 ✓
As per Rule	6 ✓

## STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD, Upper tween decks</b>	✓				
" " Second "	✓				
" " Third "	✓				
" " Holds .....	45-26	11x3 1/2x51L	30		
<b>COLLISION</b> " (in Hold) .....	52-31	8x3x36L	24	3 stringers	
<b>AFTER PEAK</b> " " .....	48-30	7x3x36L	24	4 stringers	

## 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>				Rolled 10"x2 1/2 ✓
<b>STERN FRAME</b> { Propeller Post .....				Cast 12x13 1/2 "munch Haines
{ Rudder " .....				
<b>Speed of Vessel.....</b>				not exceeding 12 knots ✓
<b>RUDDER—Type.....</b>				
" A x D .....				
" Diam. of head .....				9 ✓ see old letter 2/5/39
" Mainpiece at top pintle				12
" " heel ...				9
" how constructed .....				5 arms part welded part welded
" double single plate coupling, vertical or horizontal.....				62

## STEEL.

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

Appleby Frodingham Shinningrove Cargo Fleet, Steel Co. of Scotland, Bonsett, Lloyds Register Foundation

Has the Steel been tested as required by the Rules? YES.

Req. 1.

No. 59

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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 of Midship Section, Profile, & Deck as built, are being prepared, and will be forwarded in due course.

Plans retained for sister vessels building.

#### Sister vessels

SS. ROYAL SCEPTRE SLO. RPT. N<sup>o</sup> 32270

SS. ST. ELWYN " 32540

SS. BRETWALDA " 32601

SS. ARGYLL " 32752

#### PARTICULARS OF ELECTRIC WELDING (if employed)

Rudder partly welded. ✓  
T.S. gussets welded to tank top, and to T.S. brackets. ✓  
Masts and derrick posts, ventilator coaming, small hatch coaming, main hatch side stays, welded to deck. ✓  
Deep tank top plating welded to shell. ✓

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

Boxed Stern. ✓ D.F. ✓ E.S.D. ✓

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

	including pen	1st Bower	2nd "	3rd "			
		44	1	0	J.D.	2003	20-6-39
		44	2	21	J.D.	1986	6-6-39
		38	2	7	J.D.	2018	26-6-39

#### PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 36-25 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓  
Official No. 167385 Signal Letters ✓ Extreme Breadth over Belting (Cir. 1611) ✓ Over-all Length 431-9 1/2" ✓ (Cir. 1703)

No. and Material of Decks 1 Deck (steel) and Shelter Deck (steel)

Parts of Bottom of Vessel coated with cement or approved composition Cement throughout. ✓

Particulars of composition (if fitted) and of approval ✓

#### PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Cir. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	72.5 ✓	242 ✓	Fore peak tank,	23.5	155 ✓
Double bottom, under Engines and Boilers,	40.0 ✓	171 ✓	After peak tank,	18.0	145 ✓
Double bottom, if under Engines only,			Deep tank, aft,	65.0 ✓	390
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	176.00 ✓	562 ✓	Other tanks, if fitted, Upper Fore Peak	24.0	169
Total length (if continuous) and Capacity	288.5	975	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5904

Date 28.4.39

Dates of Surveys held while building

1939. May. 3. 4. 5. 8. 9. 10. 12. 15. 16. 18. 19. 22. 24. 25. 26. 30. 31. June 1. 2. 5. 7. 8. 9. 12. 13. 15. 16. 19. 22. 26. 27. 28. 30. July 3. 4. 6. 7. 10. Aug. 8. 9. 14. 15. 16. 18. 21. 22. 23. 24. 28. 29. 30. 31. Sep. 4. 6. 12. 14. 15. 19. 20. 21. 22. 26. 27. 28. 29. Oct. 2. 3. 5. 9. 10. 11. 12. 14. 18. 20. 23. 25. 26. 27. 30. 31. Nov. 1. 6. 7. 8. 9. Dec. 11. 12. 14. 19. 21. 28. 1940. Jan. 3. 4. 6. 9. 12. 15.

Total No. of Visits 98