

STEEL STEAMER or MOTORSHIP

Received at London Office

MAR 30 1939

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 *29 March 1929* Port of *Sunderland* No. *32601*
Survey held at *Sunderland* Date First Survey *19 August 1938* Last Survey *25 March 1929*
On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *SS BRETHALDA* *Single Screw*

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

*Complete Superstructure with Tonnage Opening*State Type of Erections *C.S.S.*TONNAGE under Tonnage Deck... *4355.28*CLASS *+100A.1.*

State if with freeboard as condition of Class

YES

Built at

Sunderland

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

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

*L 405'-0"*Launched *4.2.39*Yard No. *591*

Breadth (greatest moulded)

*B 57'-11 1/2"*Builders *Messrs. J.L. Thompson & Sons Ltd.*

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

D 36'-4"-6"
*D 35'-10"*Owners *Hall Bros*

Total

Gross Tonnage *4906.36*Register Tonnage *2765.65*1st Longitudinal Number (L x D) = *14511*

Managers

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

2nd Numeral L x (B + D) = *37985*

Residence

REGISTERED DIMENSIONS.

FEET.

Length

415.10

Breadth

58.25

Depth

24.85

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

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

*11.15*Port of Registry *NEWCASTLE*

Draught Moulded

24-9 5/8

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	<i>30</i>	<input checked="" type="checkbox"/>	Bracket Floors, Frame	<i>L NBS. 6x32x37</i>	<i>app'd 34</i>
" " from 1/2 length amidships to Collision bulkhead	<i>27</i>	<input checked="" type="checkbox"/>	" " Reversed Frame	<i>L NBS. 5 1/2 x 3 x 37</i>	<i>app'd 34</i>
" " in peaks	<i>24</i>	<input checked="" type="checkbox"/>	" " Vertical Struts	<i>20 5/8 x 3 1/2 x 37 1/2</i>	<i>NBS. app'd 34</i>
IDE FRAMING.			Centre Girder, depth and thickness amidships	<i>42 1/2 x 53</i>	<input checked="" type="checkbox"/>
Frame Amidships, Angle, [or]	<i>12x4x4x52</i>	<input checked="" type="checkbox"/>	" " top Angles	<i>3 1/2 x 3 1/2 x 47</i>	<input checked="" type="checkbox"/>
" " Extends up to	<i>2nd DECK</i>	<input checked="" type="checkbox"/>	" " bottom Angles	<i>4 x 4 x 53</i>	<input checked="" type="checkbox"/>
Reversed Frame Amidships, Angle	<input checked="" type="checkbox"/>		Side Girders, No. each side and thickness	<i>One 37</i>	<input checked="" type="checkbox"/>
" " Extends up to	<input checked="" type="checkbox"/>		Margin Plate depth (excl. of flange) and thickness	<i>39 x 53</i>	<input checked="" type="checkbox"/>
Depth of Framing Girder	<i>12</i>	<input checked="" type="checkbox"/>	" " Vertical Angle to Tank side	<i>5 x 5 x 43</i>	<input checked="" type="checkbox"/>
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	<i>7 x 3 1/2 x 36</i>	<input checked="" type="checkbox"/>	" " Bracket abaft 1/2 len. from stem	<i>6 x 6 x 43</i>	<input checked="" type="checkbox"/>
" " Second 'tween Decks, Angle, [or]	<input checked="" type="checkbox"/>		" " Vertical Angle to Tank side	<i>6 x 6 x 43</i>	<input checked="" type="checkbox"/>
" " Third " " " "	<input checked="" type="checkbox"/>		" " Bracket from forward 1/2 len. from stem to Panting Area	<i>10 1/2 x 41 1/2</i>	<i>continuous</i>
" " from 1/2 len. for'd. to 15% len. from Stem	<input checked="" type="checkbox"/>		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>16 x 41 1/2</i>	<i>continuous</i>
" " in Peaks, Angle or [<i>8 x 3 1/2 x 34</i>	<input checked="" type="checkbox"/>	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	<i>16 x 41 1/2</i>	<i>continuous</i>
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 5 3/4</i>	<input checked="" type="checkbox"/>	Tank Side Brackets, height above base line at toe of Frame and thickness	<i>43 1/2 x 44</i>	<input checked="" type="checkbox"/>
State if Frame Joggled	<i>YES</i>	<input checked="" type="checkbox"/>	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>YES</i>	<input checked="" type="checkbox"/>	Breadth and thickness of Middle Line Strake	<i>60 x 50</i>	<input checked="" type="checkbox"/>
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>YES</i>	<input checked="" type="checkbox"/>	Thickness of remainder in Holds	<i>43</i>	<input checked="" type="checkbox"/>
INGLE BOTTOM.			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>	<input checked="" type="checkbox"/>
Floors, Depth and thickness at mid-line in Holds	<input checked="" type="checkbox"/>		BEAMS.		
Height of Brackets at side above base line at toe of frame	<input checked="" type="checkbox"/>		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	<i>10 x 3 1/2 x 40</i>	<input checked="" type="checkbox"/>
Middle Line Keelson, on Floors, Angles, [or]	<input checked="" type="checkbox"/>		" " in way of Bridge, Angle, [or]	<input checked="" type="checkbox"/>	
" " Through Plate or Intercoastal Plate	<input checked="" type="checkbox"/>		Spacing	<i>every</i>	<input checked="" type="checkbox"/>
" " Foundation Plate on Floors	<input checked="" type="checkbox"/>		Second Deck, amidships, Angle, [or]	<i>12 x 3 1/2 x 45</i>	<input checked="" type="checkbox"/>
" " Flat Plate Keel Angles	<input checked="" type="checkbox"/>		Spacing	<i>every</i>	<input checked="" type="checkbox"/>
Side Keelsons, No. each side	<input checked="" type="checkbox"/>		Third Deck, amidships, Angle, [or]	<input checked="" type="checkbox"/>	
" " thickness of Intercoastal Plate	<input checked="" type="checkbox"/>		Spacing	<input checked="" type="checkbox"/>	
" " Angles	<input checked="" type="checkbox"/>		Fourth Deck, amidships, Angle, [or]	<input checked="" type="checkbox"/>	
DOUBLE BOTTOM.			Spacing	<input checked="" type="checkbox"/>	
Solid Floors, thickness and spacing	<i>39 every 3rd</i>	<input checked="" type="checkbox"/>	Poop Deck, Angle, [or]	<input checked="" type="checkbox"/>	
" " Are Frame and Reversed Frame joggled?	<i>YES</i>	<input checked="" type="checkbox"/>	Spacing	<input checked="" type="checkbox"/>	
Bracket Floors, breadth and thickness at middle line	<i>33 x 41</i>	<input checked="" type="checkbox"/>	Bridge Deck, Angle, [or]	<input checked="" type="checkbox"/>	
" " breadth and thickness at margin plate	<i>41</i>	<input checked="" type="checkbox"/>	Spacing	<input checked="" type="checkbox"/>	
			Forecastle Deck, Angle, [or]	<i>8 x 3 x 36</i>	<input checked="" type="checkbox"/>
			Spacing	<i>every</i>	<input checked="" type="checkbox"/>

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		36		✓	
" " " " "			✓			Thickness of Plating abreast Deck openings in way of Bridge		✓			
" in Holds " "			✓			Thickness of Plating within line of openings...		34		✓	
" " " " "			✓			If Sheathed, material and thickness		✓			
Centre Line Bulkhead.						Third Deck.					
Stiffeners and Spacing.....		11x3 1/2 x 44 L		7 or app'd	✓	Stringer Plate, breadth and thickness.....		✓			
		5'-0" apart.			✓	If Plated, state thickness.....		✓			
Plating, thickness of		30			✓	Fourth Deck.					
STRINGERS AND DECKS.						Stringer Plate, breadth and thickness.....		✓			
Uppermost Continuous Deck.						If Plated, state thickness		✓			
Stringer Plate, breadth and thickness in Wells		59 x 59			✓	Poop Deck.					
" " " " in way of Bridge			✓			Stringer Plate, breadth and thickness		✓			
" Angle in Wells		6 x 6 x 59			✓	Plating, Sheathing, material and thickness ...		✓			
Thickness of Plating abreast Deck openings in way of Wells		50			✓	Bridge Deck.					
Thickness of Plating abreast Deck openings in way of Bridge			✓			Stringer Plate, breadth and thickness.....		✓			
Thickness of Plating within line of openings...		39			✓	Plating, Sheathing, material and thickness ...		✓			
If Sheathed, material and thickness			✓			Forecastle Deck.					
Second Deck.						Stringer Plate, breadth and thickness		36		✓	
Stringer Plate, breadth and thickness in Wells...		63 x 39			✓	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 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.		
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	<i>51½</i>	<i>77</i>	<i>67</i>	<i>67</i>		<i>D</i>	<i>7/8</i>	<i>3 1/3</i>	<i>✓ H</i>	<i>1</i>	<i>H</i>	<i>✓ L</i>	
„ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes <i>A, B, C</i> ...		<i>58</i>	<i>65</i>	<i>50</i>		<i>D</i>	<i>7/8</i>	<i>3 1/3</i>	<i>✓ 3</i>	<i>7/8</i>	<i>3 1/8</i>	<i>✓ L</i>	
BILGE PLATING, No. of Strakes <i>D, E</i> ...		<i>58</i>	<i>58</i>	<i>48</i>		<i>D</i>	<i>7/8</i>	<i>3 1/3</i>	<i>✓ 3</i>	<i>7/8</i>	<i>3 1/8</i>	<i>✓ L</i>	
SIDE PLATING, No. of Strakes <i>F, G, H</i> ...		<i>58</i>	<i>58</i>	<i>46</i>		<i>D</i>	<i>7/8</i>	<i>3 1/3</i>	<i>✓ 3</i>	<i>7/8</i>	<i>3 1/8</i>	<i>✓ L</i>	
UPPER DECK, Sheer- strake <i>in Wells</i>	<i>72</i>	<i>68</i>	<i>58</i>	<i>46</i>		<i>D</i>	<i>7/8</i>	<i>3 1/3</i>	<i>✓ H</i>	<i>7/8</i>	<i>3 1/2</i>	<i>✓ L</i>	
UPPER DECK, Sheer- strake in Bridge ...													
STRAKE BELOW Sheer- strake <i>in Wells</i>	<i>72</i>	<i>60</i>	<i>58</i>	<i>46</i>		<i>D</i>	<i>7/8</i>	<i>3 1/3</i>	<i>✓ 3</i>	<i>7/8</i>	<i>3 1/8</i>	<i>✓ L</i>	
STRAKE BELOW Sheer- strake in Bridge ...													
POOP SIDE PLATING													
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING	<i>✓</i>		<i>40</i>	<i>✓</i>		<i>S</i>	<i>3/4</i>	<i>3</i>	<i>✓ 1</i>	<i>3/4</i>	<i>2 3/8</i>	<i>L</i>	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		(Call BH to LH OK 5 BH to 2nd OK)
Extending to Upper Deck (Sec. 3 c)	1	✓
„ Deck next below	5	✓
As per Rule	6	✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM				
STERN FRAME {	Propeller Post			
	Rudder			
Speed of Vessel				
RUDDER—Type				
" A x D				
" Diam. of head				
" Mainpiece at top pintle				
" " heel ...				
" how constructed				
" double single plate				
" coupling, vertical or				
" horizontal				

			Plating Thickness.	STIFFENERS.			
				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks			✓				
"	"	Second "	✓				
"	"	Third "	✓				
"	"	Holds					
COLLISION "							
(in Hold)							
AFTER PEAK "							

STEEL.

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

Consett, Crgo Dept, Appleby Road, Steel Co. of Scotland
Dorman Long, Shinningrove

Has the Steel been tested as required by the Rules?

Yes ✓

EQUIPMENT No. 26390										LETTER Q + ✓		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.				
37972	1st Bower ...	68	0	21	✓			52	15	2	14	68	Byers Inf ^d Stockless	✓	LPHS.	24.1.38 JHB
38451	2nd „ ...	68	0	7	✓			52	15	2	14	68	do	✓	„	14.7.38 „
38476	3rd „ ...	58	2	0	✓			47	10	0	0	58½	do	✓	„	19.8.38 „
	Collective weight.	194	3	0	✓							194½				
38491	Stream	24	0	0	✓			23	17	2	0	19	do	✓	„	25.8.38 „

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.		Supplied.	Per Rule.	Supplied.	Per Rule.						Length.	Cir.		Length.	Cir.		
57683	270	2 1/2	✓	270	2 1/2	270	2 1/2	270	2 1/2	✓	L.P.H.C.H. 25.10.38 S.C.P.	TOWLINE	120	4 1/4	64.6	120	4 1/4	✓	
												HAWSERS & WARPS	20120	3	18.6	2090	2 3/4	✓	
													20120	2 3/4	15.2	2090	2 1/2	✓	
Iron Stream Chain or Steel Wire	120	5	✓	52.8				90	5	✓									

Steering Gear, Type (Power or hand) *Souhin & Co. Ltd* Alternative Means of Steering *Auxiliary Block & Tackle*

Steering Chains (Size and Test) *Telemotor* Windlass *Emerson Walker* Boats *2-27' lifeboats*

Ceiling in Holds, thickness and material *2 1/2" W.W. under hatches* Cargo Battens, thickness, material and spacing *6x2" W.W. spaced 9"* ✓

Cargo Hatchways.—(Upper Deck) *steel plates and angles* Thickness of Hatches *2 7/8"*

Size of Hatchways No. 1 (Fwd.) *29'3" x 20'* No. 2 *30' x 20'* No. 3 *25' x 20'* No. 4 *32'6" x 20'* No. 5 *32'6" x 20'* No. 6 ✓

Number of Shifting Beams } *Nº 1-4, Nº 2, 4, 5-5, Nº 3-3* FOR AND ON BEHALF OF JOSEPH L. THOMPSON & SONS, LIMITED.

Builder's Signature

J. L. Thompson
Managing Director,

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 (where required to be inserted in the Notation).

The vessel has been built in accordance with the approved plans, the Secretary's letter, & the Society's Rules.
The material & workmanship are good. ✓

The freeboard marks have been verified & cut in on the vessel's side. ✓

The double bottom tanks, fore & after peak, deep tank, have been satisfactorily tested. ✓

The deck, bulkhead, tunnel, ash shoot, hand pump, W.T. doors have been tested & found good. ✓

The windlass, steering gear, auxiliary steering gear, have been tested. ✓

The following forging certificates are enclosed :- stern frame, rudder frame, quadrant, tiller. ✓

The amount of Entry Fee £ *8* : : Fees applied for,

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

Special Survey Fee.... £ *320* : *6* : :

Freeboard " *15* : *0* : *0*

Travelling Expenses, if any £ : : :

Received by me,

14.4.1939

I am of opinion the Vessel should be Classed *+100A.1.* ✓

with freeboard

State whether the Vessel has been built under Special Survey *YES*

Signature

W. E. C. Muller
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *SUNDERLAND.* Date of issue *14/4/39.*

Committee's Minute

WED 12 APR 1939

Character assigned

+100A.1

Lloyd's Arch
of E.S.D.
With freeboard
+ Limb 3.39
2 S.B. (Spt)
1 Amp S.B.

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.)

Vessel placed in dry dock, bottom & rudder cleaned, examined, & recoated.
Plans of midship section, profile, & decks as built, are being prepared & will be forwarded in due course ✓

Sister Vessels

SS. ROYAL SCEPTRE

SLD. RPT. N° 32270

SS. ST. ELWYN

SLD. RPT. N° 32510

PARTICULARS OF ELECTRIC WELDING (if employed)

Rudder electrically welded. ✓
T.S. gussets welded to tank top & to tank side brackets. ✓
Masts, derrick posts, ventilator coaming, small hatch coaming, main hatch side stays, welded to deck. ✓

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

Crushed 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 pin	C			H				
		1st	2nd	3rd					
1st Bower		43	3	21	✓	E.E.	137	10.12.37	
2nd "		44	0	7	✓	W.H.	6959	3.12.37	
3rd "		37	0	14	✓	J.F.R.	2494	20.8.37	

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. 165766 Signal Letters ✓ Extreme Breadth over Belting ✓ Over-all Length 431' 9 1/2" ✓
No. and Material of Decks 1 Deck (steel) and Skelley 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. (Circ. 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	755 ✓
Double bottom, under Engines and Boilers,	40.0	171 ✓	After peak tank,	18.0	145 ✓
Double bottom, if under Engines only,	✓	✓	Deep tank, aft, <i>stanks at sides of tunnel</i>	65.00	390 ✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	176.00	562 ✓	Other tanks, if fitted, <i>upper Fore Peak</i>	28.00	169 ✓
Total length (if continuous) and Capacity	288.5	975 ✓	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5874

Date 31.8.37.

Dates of Surveys held while building

1938 Aug. 19, 22, 23, 24, 26, 29. Sep. 5, 6, 12, 14, 19, 23, 26, 30. Oct. 3, 5, 7, 10, 14, 24, 26, 27, 28
Nov. 1, 2, 4, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 21, 22, 23, 24, 25, 28, 29, 30. Dec. 1, 2, 5, 6, 7, 8, 9, 12, 13, 14, 15, 16, 19, 21
23, 28, 29, 30. 1939 Jan. 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 17, 18, 20, 23, 26, 27, 30. Feb. 1, 3, 4. Mch. 6, 9, 10
13, 14, 15, 16, 17, 20, 21, 22, 24, 25.

Total No. of Visits 95