

STEEL STEAMER or MOTORSHIP.

Received at London Office JUL -3 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 *Yes*

Date of completion of report

12th July 1940Port of *Sunderland*

No. 32912

Survey held at

Sunderland

Date First Survey

16 Jan. 39

Last Survey

27 June 1940

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

*SS. THISTLEGORM.**Single Screw.*

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

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

*9.4.40*Yard No. *599.*

Total

Breadth (greatest moulded)

B 57'-11 1/2"

Builders

J.L. Thompson & Son Ltd.

Gross Tonnage

4898.15

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"

Owners

Albion Line Ltd.

Register Tonnage

2750.05

1st Longitudinal Number (L x D)

= 14511

Managers

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

2nd Numeral L x (B + D)

= 37985

Residence

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

REGISTERED DIMENSIONS FEET.

Length

415.1

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

11.15

Port of Registry

SUNDERLAND.

Breadth

58.25

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

11.15

If surveyed while building, afloat, or in dry dock

YES.

Depth

24.85

Draught Moulded

*24'-9 7/8"**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	<i>L. NBS. 6x3 1/2x37</i> ✓	
" " from 1/3 length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	<i>L. NBS. 5 1/2x3x37</i> ✓	
" " in peaks	24 ✓		" " Vertical Struts	<i>20 8x3 1/2x3 1/2x42 ch. 10 5 1/2x3x37 1</i> ✓	
IDE FRAMING.			Centre Girder, depth and thickness amidships	<i>42 1/2x53</i> ✓	
Frame Amidships, Angle, [or X	<i>12x4x4x 32/60</i> ✓		" " top Angles	<i>3 1/2x3 1/2x47</i> ✓	
" " Extends up to	<i>2nd Deck</i> ✓		" " bottom Angles	<i>4x4x53</i> ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	<i>One 37</i> ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	<i>39x53</i> ✓	
Depth of Framing Girder	<i>12</i> ✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<i>5x5x43</i> ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [	<i>7x3 1/2x36</i> ✓		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem	<i>6x6x43</i> ✓	
" " Second 'tween Decks, Angle, [or [	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>10 1/2x41 fl. 2 continuous</i> ✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem	<i>16x41 fl. 2 continuous</i> ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>43 1/2x44</i> ✓	
" " in Peaks, Angle, [or [	<i>8x3 1/2x34</i> ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 5 3/4</i> ✓		Breadth and thickness of Middle Line Strake	<i>60x50</i> ✓	
State if Frame Joggled	<i>YES.</i> ✓		Thickness of remainder in Holds	<i>43</i> ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>YES.</i> ✓		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> ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>YES.</i> ✓		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships	<i>10x3 1/2x40</i> ✓	
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	<i>every</i> ✓	
Middle Line Keelson, on Floors, Angles, [or [	✓		Second Deck, amidships, Angle, [or [	<i>12x3 1/2x45</i> ✓	
" " Through Plate or Intercoastal Plate	✓		Spacing	<i>every</i> ✓	
" " 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 Intercoastal Plate	✓		Spacing	✓	
" " Angles	✓		Poop Deck, Angle, [or [✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	<i>39 every 3'</i> ✓		Bridge Deck, Angle, [or [✓	
" " Are Frame and Reversed Frame joggled?	<i>YES.</i> ✓		Spacing	✓	
Bracket Floors, breadth and thickness at middle line	<i>33x41</i> ✓		Forecastle Deck, Angle, [or [	<i>8x3x36</i> ✓	
" " breadth and thickness at margin plate	<i>41</i> ✓		Spacing	<i>every</i> ✓	

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.....	11 x 3 1/2 x 4 1/2	✓		has app ^d	Stringer Plate, breadth and thickness.....	✓			
Plating, thickness of	5'0" apart	✓			If Plated, state thickness.....	✓			
	.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 jogged?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL	5 1/2	.77	.67	.67		D	7/8	3 1/3	4	1	4	L
„ DELG. (if any)												
BOTTOM PLATING No. of Strakes A.B.C.		.58	.65	.50		D	7/8	3 1/3	3	7/8	3 1/8	L
BILGE PLATING No. of Strakes D.E.		.58	.58	.48		D	7/8	3 1/3	3	7/8	3 1/8	L
SIDE PLATING No. of Strakes F.G.H.		.58	.58	.46		D	7/8	3 1/3	3	7/8	3 1/8	L
UPPER DECK, Sheer- strake in Wells.....	72	.75	.58	.46	+ 10% bracer extra	D	7/8	3 1/3	4	1	4	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 ...												
FORE'TLE SIDE PLATING		.40				S	3/4	3	1	3/4	2 5/8	L

WATERTIGHT BULKHEADS.

Total No. of **W.T. BULKHEADS** in Vessel—

Extending to Upper Deck (Sec. 3 c) 1

„ Deck next below 6 — 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		Rollad 9 3/4 x 22	Appleby Ltd.	
STERN FRAME { Propeller Post		Cast 12 x 13 1/2	red. Staalfabriek	
{ Rudder "				
Speed of Vessel				not exceeding 12 knots
RUDDER—Type				
" A x D				
" Diam. of head		8 3/4		
" Mainpiece at top pintle		12		
" " heel ...		9		
" how constructed		Forging		
" double coupling plate		62		
" coupling, vertical or horizontal		Horizontal		

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks	✓				
" " Second "	✓				
" " Third "	✓				
" " Holds	✓	45-26	11-3 1/2 = 51 L	30	
COLLISION " (in Hold)	✓	52-31	8 x 3 = 36 L	24	3 stringers
AFTER PEAK " "	✓	48-30	7 x 3 = 36 L	24	2 stringers

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth*
Largo Fleet Steel Co. of Scotland, Shinningrose, Appleby Road, South Durham,
Losman Lane, Colville, Consett
 Has the Steel been tested as required by the Rules? *YES. ✓*

EQUIPMENT No 38690										LETTER Q + ✓		ANCHORS.			
Number of Certificate.	Anchor.	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.			
39600	1st Bower ...	68	0	21				52	15	2	14	68 ✓	Stockless	✓	L.P.H.S. 19.3.40 U.V.N.
39601	2nd „ ...	68	0	21				52	15	2	14	68 ✓	do.	✓	do. 20.3.40 do.
	3rd „ ...											58 1/2 ✓			
	Collective weight.											194 1/2 ✓			
39770	Stream	24	0	14				23	19	2	21	23.3.0 ✓	do.	✓	do. 16.5.40 do.

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.	Sta. Tons.	Break- ing. Tons.	Supplied.	Per Rule.		Length.	Diam.	Length.					Cir.	Length.		Cir.		
112368	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.	Stud Link	✓	LPHN. 21-340 J.A.R.	TOWLINE...	Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
	225 1/2	2 7/8	20 13 1/2	60 1 0 0	720 3/4	270 2 1/2	120 4 3/4	64 6	120 4 3/4											
	45																			
	70													HAWSERS & WARPS	4090 3	25.7	2090 2 3/4			
																		2090 2 1/2		
Iron Steam Chain or Steel Wire		Cir.								Cir.										
	90	5		528					90	5										

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

Steering Chains (Size and Test) Telemotor ✓ Windlass Emerson Walker ✓ Boats 2-26" lifeboats ✓

Ceiling in Holds, thickness and material 2 1/2" W.H. under hatch ✓ Cargo Battens, thickness, material and spacing 6" 2" W.H. spaced 9" in holds only. ✓

Cargo Hatchways. (Upper Deck) steel plates and angles ✓ Thickness of Hatches Covers N° 23, 4, 5 HATCHES - 3" W.H. ✓

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 N° 1, 2, 4, 5 - 4; N° 3 - 3. ✓ FOR AND ON BEHALF OF JOSEPH L. THOMPSON & SONS, LIMITED.

Builder's Signature R N Thompson ✓ Chairman

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 and 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, F.W. tank, have been satisfactorily tested.

The deck, bulkhead, tunnel, ash shoot, land pump, W.T. door, have been tested & found good.

The windlass, steering gear, emergency steering gear, have been tested.

The following forging certificates are enclosed: Stern frame, Rudder frame, Quadrant, Liller.

The amount of Entry Fee £ 8 : : : Fees applied for, 2 JUL 1940 (Special notations, where part of class, to be stated.)

Special Survey Fee £ 319 : 18 : Received by me, 5th July 1940 R.S.D. 3/4

Freeboard £ 15 : Travelling Expenses, if any £ : 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. C. Miller Surveyor to Lloyd's Register of Shipping.

Certificate sent to SUNDERLAND Date of issue 12/7/40

Committee's Minute TUE 9 JUL 1940

Character assigned + 100A.1 With freeboard

Lloyd's Reg. of S.S.D. + 100A.1 6.40

note for S.R.L. 2 S.B. (Sph) 22 CL

W.C. Miller 1 Am. S.B. 8.40



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, Decks, as built, are being prepared, & will be forwarded in due course.

SISTER VESSELS.

SS. ROYAL SCEPTRE	SLD. RPT. N° 32270
SS. ST. ELWYN	" 32540
SS. BRETWALDA	" 32601
SS. ARGYLL	" 32752
SS. BEECHWOOD	" 32788
SS. INVERNESS	" 32791
SS. ROYAL EMBLEM	" 32811
SS. GLENWOOD	" 32839
SS. CONFIELD	" 32840

The vessel's equipment of chain cable is 225½ fms. instead of 270 fms. as per Secretary's letter of 29.1.40. A spare anchor has not been supplied.

Cargo battens are not fitted in the Shelter Deck, but it is stated that these will be fitted on the vessel's arrival at a foreign port.

PARTICULARS OF ELECTRIC WELDING (if employed) *Rudder partly welded*

T.S. gussets welded to tank top and to T.S. brackets.

Hatches & Berth posts, ventilator coamings, small hatch coamings, main hatch side step, 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

Cruiser 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	1st Bower	43	0	7	J.D.	2887	24.1.40
	2nd "	43	2	21	J.D.	2521	3.1.40
	3rd "						

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. *163052* Signal Letters ✓ Extreme Breadth over Belting ✓ Over-all Length *431' 9½"*

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. (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	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, <i>UPPER FORE PEAK.</i>	28.0	169.
Total length (if continuous) and Capacity	288.5	975	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. *5902*

Date *20.4.39*

Dates of Surveys held while building

1939. Nov. 16, 20, 23, 27, 28, 30. Dec. 4, 5, 6, 7, 11, 13, 15, 18, 20, 22, 27. Jan. 2, 3, 5, 8, 11, 16, 19, 26, 29. Feb. 5, 7, 9, 12, 14, 16, 19, 21, 22, 23, 26, 28. Mar. 1, 4, 5, 7, 11, 12, 14, 16, 19, 29, 30. Apr. 2, 3, 5, 8, 9, 12, 15, 17, 18, 19, 22, 25, 26. May. 6, 8, 9, 15, 16, 20, 21. June 5, 11, 12, 19, 21, 22, 24, 27.



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Lloyd's Register Foundation

Rpt. 4.

RE

Date of writing

No. in Sur Reg. Book.

Built at

Engines m

Boilers m

Registered

Nom. Hor

Trade fo

5c, 10, 30.

Received by

VESSEL'S

The rema