

STEEL STEAMER or MOTORSHIP

Received at London Office

APR 10 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 time*

Date of completion of report

9th April 1940

Port of

Sunderland

No. 32840

Survey held at

Sunderland

Date First Survey

23 Aug. 1939

Last Survey

1st April

1940

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

SS. "CONFIELD"

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 + 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.

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

L 405'-0"

Launched

9.1.40 Yard No. 597

Total

Breadth (greatest moulded)

B 57'-11 1/2"

Builders Messrs. J.L. Thompson & Son Ltd.

Gross Tonnage

4956.18

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 Confield SS. Co. Ltd.

Register Tonnage

2799.66

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

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

11.15

Port of Registry NEWCASTLE.

Breadth

58.25

Do. Long Bridge to top of keel

24'-9 7/8"

If surveyed while building, afloat, or in dry dock

YES

Depth

24.85

Draught Moulded

24'-9 7/8"

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.N.B.S. 6x3 1/2 x 37 ✓	
" " from 1/2 length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	L.N.B.S. 5 1/2 x 3 x 37 ✓	
" " in peaks	24 ✓		" " Vertical Struts	20 8 x 3 1/2 x 3 1/2 x 42 ch. ✓	
DE 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	2 nd 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	5 x 5 x 43 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	7 x 3 1/2 x 36 ✓		" " Bracket abaft 1/2 len. from stem	6 x 6 x 43 ✓	
" " Second 'tween Decks, Angle, [or]	✓		" " Vertical Angle to Tank side	6 x 6 x 43 ✓	
" " Third " " " "	✓		" " Bracket from forward 1/2 len. from stem to Panting Area	10 1/2 x 41 fl. 2 continuous ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	16 x 41 fl. 2 continuous ✓	
" " in Peaks, Angle or [8 x 3 1/2 x 34 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	43 1/2 x 44 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5 3/4 ✓		INNER BOTTOM PLATING.		
State if Frame Joggled	YES ✓		Breadth and thickness of Middle Line Strake	60 x 50 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES ✓		Thickness of remainder in Holds	43 ✓	
Are the scantlings and arrangements in way of the Bottom Forward 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 ✓	
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Walls, Angle, [or]	10 x 3 1/2 x 40 ✓	
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, [or]	✓	
Middle Line Keelson, on Floors, Angles, [or]	✓		Spacing	every ✓	
" " Through Plate or Intercostal Plate	✓		Second Deck, amidships, Angle, [or]	12 x 3 1/2 x 45 ✓	
" " Foundation Plate on Floors	✓		Spacing	every ✓	
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, [or]	✓	
Side Keelsons, No. each side	✓		Spacing	✓	
" " thickness of Intercostal Plate	✓		Fourth Deck, amidships, Angle, [or]	✓	
" " Angles	✓		Spacing	✓	
SOLID BOTTOM.			Poop Deck, Angle, [or]	✓	
Solid Floors, thickness and spacing	39 every 3 rd ✓		Spacing	✓	
" " Are Frame and Reversed Frame joggled?	YES ✓		Bridge Deck, Angle, [or]	✓	
Bracket Floors, breadth and thickness at middle line	33 x 41 ✓		Spacing	✓	
" " breadth and thickness at margin plate	41 ✓		Forecastle Deck, Angle, [or]	8 x 3 x 36 ✓	
			Spacing	every ✓	

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 Wells36 ✓	
„ „ „ „ „	✓		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.	11x3 1/2 x 44 ✓		Third Deck.		
Stiffeners and Spacing.....	5-0" apart & as app'd ✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of30 ✓		If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	59x59 ✓		If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	✓		Poop Deck.		
„ Angle in Wells	6x6x59 ✓		Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells50 ✓		Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings...	.39 ✓		Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness ...	✓	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	63x39 ✓		Stringer Plate, breadth and thickness.....	.36 ✓	
			Plating, Sheathing, material and thickness32 ✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. No		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing or to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.	Inches.	Inches.	
FLAT PLATE KEEL	5 1/2 ✓	.77 ✓	.67 ✓	.67 ✓		D ✓	7/8 3/3 ✓	4 ✓	1 ✓	4 ✓	L ✓
„ DELG. (if any)											
BOTTOM PLATING, No. of Strakes A.B.C....		.58 ✓	.65 ✓	.50 ✓		D ✓	7/8 3/3 ✓	3 ✓	7/8 3/8 ✓	L ✓	
BILGE PLATING, No. of Strakes D.E....		.58 ✓	.58 ✓	.48 ✓		D ✓	7/8 3/3 ✓	3 ✓	7/8 3/8 ✓	L ✓	
SIDE PLATING, No. of Strakes F.G.H....		.58 ✓	.58 ✓	.46 ✓		D ✓	7/8 3/3 ✓	3 ✓	7/8 3/8 ✓	L ✓	
UPPER DECK, Sheer-strake in Wells.....	72 ✓	.68 ✓	.58 ✓	.46 ✓		D ✓	7/8 3/3 ✓	4 ✓	7/8 3/2 ✓	L ✓	
UPPER DECK, Sheer-strake in Bridge ...											
STRAKE BELOW Sheer-strake in Wells.....	72 ✓	.60 ✓	.58 ✓	.46 ✓		D ✓	7/8 3/3 ✓	3 ✓	7/8 3/8 ✓	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 5/8 ✓	L ✓	

WATERTIGHT BULKHEADS.

WATERTIGHT BULKHEADS.					FORGINGS and CASTINGS.				
Total No. of W.T. BULKHEADS in Vessel—					Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.	
Extending to Upper Deck (Sec. 3 c)									
" Deck next below									
As per Rule									
	Plating Thickness.	STIFFENERS.				Speed of Vessel.....	RUDDER—Type.....		
		VERTICAL.	HORIZONTAL.						
		Scantlings.	Spacing.	Scantlings.	Spacing.				
MIDSHIP BULKHD., Upper tween decks	✓					not exceeding 12 knots			
" " Second "	✓								
" " Third "	✓								
" " Holds	✓	45-26	11x3½x51 L	30 ✓					
COLLISION " (in Hold)	✓	52-31	8x3x36 L	24 ✓	3 stringers				
AFTER PEAK " "	✓	48-30	7x3x36 L	24 ✓	4 stringers				

See Hull Plan 5 Lower Deck	holds with openings closed with plate doors	rolled 9¾x2½	Applied Lead
KEEL, Bar	rolled 11x	Cast 12x13½	head. Steel fabric
STEM	Propeller Post		
STERN FRAME	Rudder		
Speed of Vessel			
RUDDER—Type			
" A x D			
" Diam. of head		8 5/8	15 4/40
" Mainpiece at top pintle		12 ✓	2 1/4 4/40
" " heel		9 ✓	
" how constructed		Forging	
" double or single plate		62 ✓	
" coupling, vertical or horizontal		Horizontal ✓	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Colville, Gorman Long, Skinningrove, South Durham, Appleby Lead, Largo Fleet, Consett, Steel Co. of Scotland.*

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

Req. 1.

No. 5900

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of 4900

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No. 597. in B

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To the Secretary,

Lloyd's

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EQUIPMENT No 38690 ✓												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.			
39337	1st Bower ...	68	2	0	<div></div>	<div></div>	<div></div>	58	18	3	0	68 ✓	Stockless	✓	L.P.H.S. 3.1.40 W.V.N.
39338	2nd „ ...	68	1	14				52	18	3	0	68	do.	✓	do. 4.1.40 do.
39335	3rd „ ...	59	0	21				47	18	0	14	58½ ✓	do.	✓	do. 3.1.40 do.
	Collective weight.	196	0	7								194½ ✓			
39339	Stream	24	0	7	✓			23	19	2	21	23.3.0 ✓	do. ✓		do. 4.1.40 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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length. Diam.							Length. Cir.	Tons.	Length. Cir.				
112222	270 2 5/16	96 5/16	134 20	722.1.0	720 3/4	270 2 5/16	Stud Link			L.P.H.N. 27.12.39 J.A.P.		TOWLINE	120 4 3/4	64.6	120 4 3/4				
												HAWSERS & WARPS	2090 2 3/4	15.2	2090 2 3/4				
													2090 2 1/2	13.2	2090 2 1/2				
Iron Stream Chain or Steel Wire	90 5			52.8		90 5													

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

Steering Chains (Size and Test) *Telemotor* Windlass *Evered Walker* Boats *2-27'0" lifeboats*

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

Cargo Hatchways.—(Upper Deck) *steel plates and angle* Thickness of Hatches *3"*

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 *Nos 1, 2, 4, 5 — 4; Nos 3 — 3.*

Builder's Signature *R. C. 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 materials & workmanship are good.

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

The double bottom tanks, fore & after peaks, deep tank, F.W. tank, have been satisfactorily tested.

The decks, bulkheads, tunnel, ash chest, land pump, W.T. door, have been tested & found good.

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

The following certificates are enclosed:—stem frame, rudder frame, quadrant, tiller

The amount of Entry Fee £ *8* : : : Fees applied for, *8 APR 1940*

Special Survey Fee.... £ *322* : *16* : : Received by me, *12.4.1940*

Freeboard fee *15* : : : I am of opinion the Vessel should be Classed *+100A.1*

Travelling Expenses, if any £ : : : *with freeboard*

State whether the Vessel has been built under Special Survey. *YES* Signature *W. C. Muller*

Certificate to be sent to *SUNDERLAND* Date of issue *15/4/40* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI 12 APR 1940*

Character assigned *+100A.1*

With freeboard

Lloyd's accp

2 S.B. (8 ft.) 22

1 Aux S.B. 18 ft.

Wise & Co

W373-0209 212

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

Plans retained for sister vessel building.

SISTER VESSELS	SS. ROYAL SCEPTRE.	Shd. Rpt. N° 32270.
	SS. ST. ELWYN	" 32540.
	SS. BRETWALDA	" 32601.
	SS. ARGYLL	" 32752.
	SS. BEECHWOOD	" 32788.
	SS. INVERNESS.	" 32791.
	SS. ROYAL EMBLEM	" 32811.

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

T.S. gussets welded to tank top and to T.S. brackets.
Trunks & Service ports, ventilator coamings, small hatch coamings, main hatch side stay, 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

Cruise Stern.

D.F.

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

including pin

1st Bower

44 0 0

J.D.

2391

17.11.39

2nd "

44 0 14

J.D.

2445

29.11.39

3rd "

38 1 7

J.D.

2189

12.9.39

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. 165782.

Signal Letters

Extreme Breadth over Belting

Over-all Length 431'9 1/2"

No. and Material of Decks 1 deck (steel) & 2 lower decks (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, upper Fore Peak	28.0	169
Total length (if continuous) and Capacity	288.5	975	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5900

Date 20.4.39

Dates of Surveys held while building

1939. Aug. 23, 24, 25, 28, 29, 30, 31. Sep. 1, 5, 8, 11, 13, 15, 18, 22, 25, 28, 29. Oct. 2, 3, 4, 5, 6, 9, 12, 16, 17, 18, 19, 20, 24, 25. Nov. 1, 6, 9, 10, 13, 16, 20, 22, 23, 27, 28, 30. Dec. 1, 4, 5, 6, 7, 11, 13, 15, 18, 20, 22, 29, 1940. Jan. 2, 3, 5, 8, 9, 12, 14, 16, 19, 20, 22, 26. Feb. 5, 7, 13, 15, 20, 26, 28, 29. Apr. 1.

Total No. of Visits

77