

STEEL STEAMER or MOTORSHIP

Received at London Office 7 AUG 1936

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 *Aug: 5th 1936*Port of *Sunderland*No. *31880*Survey held at *Sunderland*Date First Survey *Feb. 25 '36*Last Survey *27 July 1936*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *S.S. "SPRINGWOOD" Machinery aft.*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling*State Type of Erections *R.A.D. 466. R.A.D. 466. R.A.D. 466.*TONNAGE under 858.66
Tonnage Deck...CLASS *+100A1.*State if with freeboard as condition of Class *No*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 220.0.*Launched *18th June 1936* Yard No. *446.*

Total

Breadth (greatest moulded) *B 36.0.*Builders *Messrs Short Bros & Co.*Gross Tonnage *1176.77.*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 16.0.*Owners *The Springwell Shipping Co. Ltd.*Register Tonnage *656.66.*1st Longitudinal Number (L x D) *= 3,520.*

Managers

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

2nd Numeral L x (B + D) *= 11,440.*Residence *33/58 Mary Ave.**London E.C.3*REGISTERED DIMENSIONS.
FEET.Length *221.3.*Framing Depth "d" at middle of length. See Sec. 3 (1d) *13-4 1/2.*Port of Registry *London*Breadth *36.25.*Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.75.*

If surveyed while building, afloat, or in dry dock

Depth *14.1.*Do. *Long Bridge to top of keel* *11.00.*Draught Moulded *15-1 1/2.**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>22 1/2</i>	/	Bracket Floors, Frame	<i>Angle</i> 5 3 .36	/
" " from 3/4 length to Collision bulkhead	<i>21.</i>	/	" " Reversed Frame	<i>Angle</i> 5 3 .36	/
" " in peaks	<i>22 1/2 21.</i>	/	" " Vertical Struts	<i>Angle</i> 5 3 .36	/
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>31 1/2 x .39</i>	/
Frame Amidships, Angle <i>For 17. P.S.</i>	<i>6 3 .48</i>	/	" " top Angles	<i>dble.</i> 3 3 .35	/
" " Extends up to	<i>R.A.D.</i>	/	" " bottom Angles	<i>dble.</i> 3 1/2 3 1/2 .38	/
Reversed Frame Amidships, Angle	<i>✓</i>	/	Side Girders, No. each side and thickness	<i>6 one .28</i>	/
" " Extends up to	<i>✓</i>	/	Margin Plate depth (excl. of flange) and thickness	<i>27" x .35.</i>	/
Depth of Framing Girder	<i>6</i>	/	" " Vertical Angle to Tank side	<i>3 3 .34</i>	/
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	<i>✓</i>	/	" " Bracket abaft 1/4 len. from stem	<i>5 5 .33</i>	/
" " Second 'tween Decks, Angle, [or]	<i>✓</i>	/	" " Vertical Angle to Tank side	<i>5 5 .33</i>	/
" " Third " " "	<i>✓</i>	/	" " Bracket forward 1/4 len. from stem	<i>5 5 .33</i>	/
Framing in Peaks, Angle <i>or</i>	<i>6 3 .36</i>	/	" " Gussets, spacing and scantling abaft 1/4 len. from stem	<i>✓</i>	/
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/4"-5 1/2"</i>	/	" " Gussets, spacing and scantling forward 1/4 len. from stem	<i>✓</i>	/
State if Frame Joggled	<i>yes.</i>	/	Tank Side Brackets, height above base line at toe of Frame and thickness	<i>40" x .34.</i>	/
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Frames 3x3x.3584 n.B.S. Two stringers .32. Facular 3 1/2 x .35 x .34. In Peaks 2 stringers 2 1/2 x .34. Beams 6 x 3 x .36 L.A.</i>	/	INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>Frame bottom 3 1/2 x 3 1/2 x .35 double extra shell put on bottom .44</i>	/	Breadth and thickness of Middle Line Strake	<i>7 3 x .51.</i>	<i>+ .15 Gwerner extra</i>
SINGLE BOTTOM.			Thickness of remainder in Holds	<i>.51.</i>	<i>+ .19 Gwerner extra</i>
Floors, Depth and thickness at mid-line in Holds	<i>✓</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>	/
Height of Brackets at side above base line at toe of frame	<i>✓</i>	/	BEAMS.		
Middle Line Keelson, on Floors, Angles, [or]	<i>✓</i>	/	Uppermost Continuous Deck, amidships in Wells, Angle, <i>For</i>	<i>4 3 .39</i>	/
" " Through Plate or Intercostal Plate	<i>✓</i>	/	" " in way of Bridge, Angle, [or]	<i>✓</i>	/
" " Foundation Plate on Floors	<i>✓</i>	/	Spacing	<i>Every</i>	/
" " Flat Plate Keel Angles	<i>✓</i>	/	R.O. Second Deck, amidships, Angle, <i>For</i>	<i>4 3 .39</i>	/
Side Keelsons, No. each side	<i>✓</i>	/	Spacing	<i>Every</i>	/
" " thickness of Intercostal Plate	<i>✓</i>	/	Third Deck, amidships, Angle, [or]	<i>✓</i>	/
" " Angles	<i>✓</i>	/	Spacing	<i>✓</i>	/
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, [or]	<i>✓</i>	/
Solid Floors, thickness and spacing	<i>.30. Every 3 1/2</i>	/	Spacing	<i>✓</i>	/
" " Are Frame and Reversed Frame joggled?	<i>yes</i>	/	Poop Deck, Angle, <i>For</i>	<i>5 3 .40</i>	/
Bracket Floors, breadth and thickness at middle line	<i>24" x .30.</i>	/	Spacing	<i>Every</i>	/
" " breadth and thickness at margin plate	<i>30" x .30</i>	/	Bridge Deck, Angle, <i>For</i>	<i>5 3 .28</i>	/
			Spacing	<i>Every</i>	/
			Forecastle Deck, Angle, <i>For</i>	<i>5 3 .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.....	One row	✓	Stringer Plate, breadth and thickness in way of Bridge .....	.32	✓
" in 'tween Decks, Size and Spacing	3½ 3½ .40 angles. All round	✓	Thickness of Plating abreast Deck openings in way of Wells .....	.32	✓
" " " " " "			Thickness of Plating abreast Deck openings in way of Bridge .....	.32	✓
" in Holds " "	Deep BR. b. 36 placed about 13 ft apart.	✓	Thickness of Plating within line of openings...	.30	✓
" " " " " "			If Sheathed, material and thickness	-	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	-	
Plating, thickness of	✓		If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Well	54 x 56	✓	If Plated, state thickness	✓	
" " " " in way of Bridge	✓		Poop Deck. op R.O.D.		
" Angle in Well	3½ 3½ .42	✓	Stringer Plate, breadth and thickness .....	.30	✓
Thickness of Plating abreast Deck openings in way of Wells .....	.36	✓	Plating, Sheathing, material and thickness ...	.30	✓
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck. op R.O.D.		
Thickness of Plating within line of openings...	.30	✓	Stringer Plate, breadth and thickness.....	.30	✓
If Sheathed, material and thickness	No.	✓	Plating, Sheathing, material and thickness ...	.30	✓
R. O. Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	51 x 32.	✓	Stringer Plate, breadth and thickness.....	.30	✓
			Plating, Sheathing, material and thickness ..	.30	✓

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 cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.	Inches.	Inches.	
FLAT PLATE KEEL	41½	.60	.56	.56	+10 Gwais extra	Double	¾ 3½	3	¾	2½	Gap
" DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes	3	.40	.36	.36	✓	Double	¾ 3½	3	¾	2½	Gap
BILGE PLATING, No. of Strakes	1	.40	.36	.36	✓	Double	¾ 3½	3	¾	2½	do
SIDE PLATING, No. of Strakes	1	.40	.36	.36	✓	Double	¾ 3½	2	¾	2½	do
UPPER DECK, Sheer-strake in Wells.....	57	.62	.36	.36	✓	Double	7/8 3½	4	7/8	3½	do
UPPER DECK, Sheer-strake in Bridge ...	51	.51	.36	.36	✓	Double	¾ 3½	3	7/8	3½	do
STRAKE BELOW Sheer-strake in Wells.....	57	.40	.36	.36	✓	Double	¾ 3½	3	¾	2½	do
STRAKE BELOW Sheer-strake in Bridge ...	57	.40	.36	.36	✓	Double	¾ 3½	3	¾	2½	do
POOP SIDE PLATING .....				.28	✓	Single	¾ 3	1	¾	2½	do
BRIDGE SIDE PLATING ...				.30	✓	Single	¾ 3	✓	✓	✓	✓
FORECASTLE SIDE PLATING				.30.	✓	Single	¾ 3	1	¾	2½	Gap.

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 4 ✓

 " Deck next below

As per Rule 3

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	✓	7 x 1½	Ironingham	✓
STERN FRAME { Propeller Post	Cast	8½ x 7½	Ironingham	✓
{ Rudder	16½ x 4½	Ironingham	✓	
Speed of Vessel	not exceeding	10 knots		✓
RUDDER—Type	Ordinary			
" A x D		14.2. 6		
" Diam. of head		6"		
" Mainpiece at top pintle	Cast	6" x 5"	Ironingham	✓
" " heel ...	Steel	3 x 4½	Ironingham	✓
" how constructed	Arms at pintles			✓
" double or single plate	Double	.38		
" coupling, vertical or horizontal	Vertical			

STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks	✓								
" " Second "	✓								
" " Third "	✓								
" " Holds .....	.35-.26	8 x 3 x .40	30"						
COLLISION " (in Hold) .....	.42-.30	6½ x 3 x .40	24"	Two semi-con					
AFTER PEAK " " .....	.38-.30	8 x 3 x .44	24"	semi-con beam .28					

STEEL.

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

Dorman Long, Spennington, South Durham, Consell, Cargo Reel

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

EQUIPMENT No 12,612												LETTER 'N'		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.			
35,823	1st Bower ...	25	3	0.	✓			25	8	0	14.	✓	Byers Imp Sigs	✓	L.P.H.S. 28.3.36.91B.
35,878	2nd „ ...	25	1	0.				24	19	1	14	✓	" " "	✓	L.P.H.S. 2.5.36.91B.
35,851	3rd „ ...	22	0	14.				22	9	1	14	✓	" " "	✓	L.P.H.S. 20.4.36.91B.
	Collective weight.	73	0	14								73-0-0.			
49,025	Stream	6	2	7.	1	3	0	8	17	2	0	6-2-0	Iron Str	✓	L.P.H.C.H. 6.3.36.91C.P.

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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
18553	212	1 1/2	40 10/16	58 14/16	242-0-14	242-0-0.	210	1 1/2	Stud-Cable	✓	L.P.H.S. 22.5.36.91B.	TOWLINE...	90	3 1/4	21.7	90	3 1/4		
												HAWSERS & WARPS	90	2 1/4	10.8	90	2 1/4		
												"	90	1 3/4	6.4	90	1 3/4		
		Cir.						Cir.				"							
Iron Stream Cable - Steel Wire	75	3 1/2		25.7	✓			75	3 1/2										

Steering Gear, Steam Brown Bros Steam Tiller Steering Gear, Hand Brown Bros.
Boats Two 21 ft lifeboats Steering Chains, Size and Test Telemotor Windlass Messrs John Lynch & Co.
Ceiling in Holds, thickness and material None. Cargo Battens, thickness, material and spacing None.
Cargo Hatchways. (Upper Deck) Steel plates - angle Nelson Patent Thickness of Hatches 3 ins.
Size of No. 1 Hatchway (Forward) 21'-0" x 18'-0" No. 2 23'-4 1/2" x 18'-0" No. 3 23'-4 1/2" x 18'-0" No. 4 22'-6" x 18'-0" No. 5 No. 6
Number of Shifting Beams for Fore and Afters No. 1-3; No. 2-4; No. 3-4; No. 4-4.

FOR SHORT BROTHERS, LIMITED.

Builder's Signature

Ernest Short
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.

This vessel has been built in accordance with the approved plans, the Secretary's letters and the Society's Rules.

The materials and workmanship are good

The freeboards have been verified and cut in on the vessel's sides.

The double bottom tanks and peak tanks have been tested as required by the Rules and found in order.

The decks and bulkheads have been tested and found in order.

The watertight door has been tried and found in order.

The windlass and steering gear have been tried under working conditions

The following forging certificates are enclosed: - Stem frame, rudder, rudder stock and tiller

Sister ship: - S.S. "Springwear" Sld Rpt. No: 31841.

The amount of Entry Fee £ 5 : 0 : 0 Fees applied for, 24 July 1936 adm
Special Survey Fee.... £ 117 : 14 : 0 Received by me, 25 July 1936 adm.
Freeboard £10
Travelling Expenses, if any £ : :
State whether the Vessel has been built under Special Survey yes
Signature Colin Bartlett
Surveyor to Lloyd's Register of Shipping.
Certificate to be sent to SUNDERLAND. Date of issue 14/8/36
I am of opinion the Vessel should be Classed +100A1

Committee's Minute

Character assigned

Large battens not fitted + Sml. 7.36
Lloyd's A.C.P. SR, CL

Print



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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.)

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

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

1st Bower

16-1-14. J.D. 913. 20. 11. 35

2nd "

16-0-21. J.D. 682. 12. 7. 35

3rd "

13-3-0 J.D. 823. 30. 8. 35.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ^{including keel} 58.6 ft., R.Q.D. 135.5 ft., Bridge 11.3 ft., Forecastle 21.3 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

No. and Material of Decks 1 D⁵ (STEEL)

Official No. 161679 : Signal Letters Is bottom of vessel coated with cement Cement in Boiler room if not give particulars of composition 'Samrex' in remaining double bottom tanks

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,	22 ✓	120.
Double bottom, under Engines and Boilers,	34 ✓	36.	After peak tank,	9 ✓	37.
Double bottom, if under Engines only,	✓		Deep tank, aft,		
Double bottom, if under Boilers only,	✓		Deep tank, forward,		
Double bottom, forward,	144	247 ✓	Other tanks, if fitted,		
	Total capacity of double bottom	283 ✓	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 5804

Date 24. 1. 36

Dates of Surveys held while building

1936. Feb. 25, March. 2, 3, 5, 7, 10, 13, 17. April. 7, 16, 17, 21, 23, 25, 27, 28, 30, May. 4, 5, 7, 11, 12, 14, 15, 18, 19, 20, 22, 27, 29. June 4, 5, 6, 8, 9, 11, 12, 13, 15, 16, 17, 18, 22, 23, 26, 29. July. 2, 8, 13, 22, 24, 27

Total No. of Visits 52