

# STEEL STEAMER or MOTORSHIP.

16 NOV 1926

Received at London Office

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 Nov 13<sup>th</sup> 1936 Port of Sunderland No. 31961  
Survey held at Sunderland Date First Survey 17 March Last Survey 6<sup>th</sup> November 1936  
On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) S.S. "SPRINGWAVE" Machinery aft.  
State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling State Type of Erections R.B. & F. Co. Braintree R.B. & F. Co.

TONNAGE under } 858.66  
Tonnage Deck... }

CLASS +100A1.

State if with freeboard } No  
as condition of Class } .....

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 } **L** 220.0  
 post on summer L. W. L. See Sec. 3 (1a) }

Launched October 1<sup>st</sup> 1936 Yard No. 447

**Breadth** (*greatest moulded*) ..... B 36.0

Builders Messrs Short Bros: & Co

**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.

**Total**

Gross Tonnage 1177.69

**Register Tonnage** 655.24

1st Longitudinal Number (L x D).....= 3 520

## Managers

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

2nd Numeral  $L \times (B + D) \dots\dots\dots = 11.440$

Residence

**REGISTERED DIMENSIONS.**

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

13-4

Port of Registry London

Length ..... 221.3

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

13.7

If surveyed while building, <sup>a</sup> afloat, or ~~in dry dock~~

Breadth 36.25

Do. ~~Long Bridge~~ to top of lead

11. 31

Depth 14.10.

**Draught Moulded** .....

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.
<b>FRAMES, Spacing amidships</b> .....	22 $\frac{1}{2}$	✓	<b>Bracket Floors, Frame</b> .....	Angle 5 3 .36	✓
" " from $\frac{3}{8}$ length to Collision bulkhead.....	21.	✓	" " Reversed Frame .....	Angle 5 3 .36	✓
" " in peaks.....	22 $\frac{1}{2}$ & 21.	✓	" " Vertical Struts .....	Angle 5 3 .36	✓
	A F				
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	31 $\frac{1}{2}$ x .39	✓
<b>Frame Amidships, Angle, <del>E or F</del> or [</b> .....	6 3 .48	✓	" " top Angles .....	dle 3 3 .35	✓
" " Extends up to .....	R. O. 7 $\frac{1}{2}$	✓	" " bottom Angles .....	dle 3 $\frac{1}{2}$ 3 $\frac{1}{2}$ .38	✓
<b>Reversed Frame Amidships, Angle</b> .....	✓		<b>Side Girders, No. each side and thickness</b> .....	One .28	✓
" " Extends up to...	✓		<b>Margin Plate</b> depth (excl. of flange) and thickness .....	27" x .35	✓
<b>Depth of Framing Girder</b> .....	6	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem .....	3 3 .34	✓
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or [</b> .....	✓		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem .....	5 5 .33	✓
" " <b>Second 'tween Decks, Angle, [ or [</b> .....	✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	✓	
" " <b>Third</b> " " " " .....	✓		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem.....	✓	
<b>Framing in Peaks, Angle <del>E or F</del></b> .....	6 3 .36	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	40" x .34	✓
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b> .....	3 $\frac{1}{4}$ - 5 $\frac{1}{4}$	✓	<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b> .....	Yes		Breadth and thickness of Middle Line Strake ...	7 3 x .51	+15 Gwners extra
	Frames 8x3x.35 B.O. 13.S. ✓ Two stringers .32 face ✓ Bar 3x3x.34 ✓ 25 stringers 25x.34 ✓ Beams 6x3x.21 ✓ Frame beams 3x2x.35 dle ✓ Shell bottom 4x4 ✓		Thickness of remainder in Holds .....	.51	+19 Gwners extra
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars .....			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	✓
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars .....			<b>BEAMS.</b>		
<b>SINGLE BOTTOM.</b>			<b>Uppermost Continuous Deck, amidships) in Wells, Angle, <del>E or F</del></b> .....	4 3 .39	✓
<b>Floors, Depth and thickness at mid-line in Holds</b> .....	✓		" " in way of Bridge, Angle, [ or [ .....	✓	
Height of Brackets at side above base line at toe of frame .....	✓		Spacing .....	Every	✓
<b>Middle Line Keelson, on Floors, Angles, [ or [</b> .....	✓		R. O		
" " " Through Plate or Intercoastal Plate...	✓		<b>Second Deck, amidships, Angle, <del>E or F</del></b> .....	4 3 .39	✓
" " " Foundation Plate on Floors .....	✓		Spacing.....	Every	✓
" " " Flat Plate Keel Angles .....	✓		<b>Third Deck, amidships, Angle, [ or [</b> .....	✓	
<b>Side Keelsons, No. each side</b> .....	✓		Spacing.....	✓	
" " thickness of Intercoastal Plate...	✓		<b>Fourth Deck, amidships, Angle, [ or [</b> .....	✓	
" " Angles .....	✓		Spacing.....	✓	
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, <del>E or F</del></b> .....	5 3 .40	✓
<b>Solid Floors, thickness and spacing</b> .....	30. Every 34	✓	Spacing.....	Every	✓
" " Are Frame and Reversed Frame joggled?.....	Yes		<b>Bridge Deck, Angle, <del>E or F</del></b> .....	5 3 .28	✓
<b>Bracket Floors, breadth and thickness at middle line.....</b>	24" x .30	✓	Spacing .....	Every	✓
" " breadth and thickness at margin plate.....	30" x .30	✓	<b>Forecastle Deck, Angle, <del>E or F</del></b> .....	5 3 .41	✓
			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.
<b>PILLARS</b> , 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. Alternate	/	Thickness of Plating abreast Deck openings in way of Wells .....	.32	/
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge .....	.32	/
„ in Holds „ „	Deck Plating .36 shaded about 13 ft apart	/	Thickness of Plating within line of openings...	.30	/
„ „ „ „ „			If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of .....	✓		If Plated, state thickness.....	✓	
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Well	54 x .56.	/	If Plated, state thickness .....	✓	
„ „ „ „ in way of Bridge	✓		<b>Poop Deck. on R. Q. D<sup>5</sup></b>		
„ 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 .....	✓		<b>Bridge Deck. on R. Q. D<sup>6</sup></b>		
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	/
<b>R. Q. Deck.</b>			<b>Forecastle Deck.</b>		
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.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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 .....	4 1/2	.60	.56	.56	+10 Gunner's extra	Double	3/4	3 1/8	3	3/4	2 5/8	Half	
„ DBLG. (if any)	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. } of Strakes .....	3	.40	.36	.36	/	Double	3/4	3 1/8	3	3/4	2 5/8	Half	
BILGE PLATING, No. of } Strakes .....	1	.40	.36	.36	/	Double	3/4	3 1/8	3	3/4	2 5/8	do	
SIDE PLATING, No. of } Strakes .....	1	.40	.36	.36	/	Double	3/4	3 1/8	2	3/4	2 5/8	do	
UPPER DECK, Sheer- } strake in Wells.....	57	.62	.36	.36	/	Double	7/8	3 1/2	4	7/8	3 1/2	do	
UPPER DECK, Sheer- } strake in Bridge ...	51	.51	.36	.36	/	Double	3/4	3 1/8	3	7/8	3 1/8	do	
STRAKE BELOW Sheer- } strake in Wells.....	57	.40	.36	.36	/	Double	3/4	3 1/8	3	3/4	2 5/8	do	
STRAKE BELOW Sheer- } strake in Bridge ...	57	.40	.36	.36	/	Double	3/4	3 1/8	3	3/4	2 5/8	do	
POOP SIDE PLATING .....				.28	/	Single	3/4	3	1	3/4	2 5/8	do	
BRIDGE SIDE PLATING ...				.30	/	Single	3/4	3	✓	✓	✓	✓	
FORE'TLE SIDE PLATING				.30	/	Single	3/4	3	1	3/4	2 5/8	Half	

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	
Extending to Upper Deck (Sec. 3 c)	4
„ Deck next below	0
As per Rule	3

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> .....	Roller bar	7x1 5/8	Ironingham	
<b>STERN FRAME</b> {	Propeller Post	8 5/8 x 7 1/2		
	Rudder	16 5/8 x 4 1/2	Unwound Acacia	
<b>Speed of Vessel</b> .....		not exceeding	10 knots	
<b>RUDDER—Type</b> .....		Ordinary		
„ A x D .....	Casing	142.6		
„ Diam. of head .....		6"	Unwound	
„ Mainpiece at top pintle		6" x 5"	Acacia	
„ „ heel ...		3 x 4 1/4	Red	
„ how constructed .....		Ames at pintles		
„ double or single plate		Double	38	
„ coupling, vertical or		Vertical		
„ horizontal .....				

## STIFFENERS.

				STIFFENERS.				
				Plating Thickness.	VERTICAL.		HORIZONTAL.	
					Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKH'D,</b>	Upper tween decks	✓						
"	" Second "	✓						
"	" Third "	✓						
"	" Holds .....	35-26	8x3x40 Ba n.B.S	30"	✓			
<b>COLLISION</b>	" (in Hold) .....	42-30	6½x3x40 B0	24		Two semi-ba beams 28.	✓	
<b>AFTER PEAK</b>	" " .....	38-30	8x3x44 B.S. n.B.S	24"		Semi-baibeam 30	✓	

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open hearth  
Dorman Long, Blinningrove, Cargo Fleet, South Durham, Consett  
Ironworks  
Has the Steel been tested as required by the Rules? Yes.







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  
2nd "  
3rd "

Including keel

17-1-14. W.H. 5479. 3.7.36.  
17-1-7. W.H. 5774. 10.7.36.  
13-3-14. W.H. 5850. 7.8.36.

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 58'6 ft., R.Q.D. 135'5 ft., Bridge 11'3 ft., Forecastle 24'3 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 10K1 (STE)

Official No. 165,335; Signal Letters Is bottom of vessel coated with cement. Cement in boiler room if not give particulars of composition 'Camex' 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. 5805

Date 20.2.36

Dates of Surveys held while building

1936. Feb. 17. May. 27. 29. June 4. 5. 6. 8. 9. 11. 12. 17. 22. 23. 26. 29. July 2. 8. 9. 14. 16. 22. 29. Aug. 5. 6. 7. 10. 11. 12. 13. 14. 18. 20. Sep. 7. 8. 9. 10. 15. 22. 29. Oct. 1. 6. 8. 9. 13. 15. 31. Nov. 4. 6.

Lloyd's Register Foundation

Total No. of Visits 48