

STEEL STEAMER or MOTORSHIP.

Received at London Office

16 AUG 1929

WRECK
SECTION

SECTION

No 853

No 30090

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

2nd August, 1929

Port of

Sunderland

No.

30090

Survey held at

Sunderland

Date First Survey

14 Dec 28

Last Survey

29 July

1929

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

Single Screw Steamer

KNIGHT OF THE ROSE

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

Full Scantling

State Type of Erections

Poop, Bridge & Fels

TONNAGE under Tonnage Deck...

3590.60

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

351.5

Breadth (greatest moulded)

B

50.16

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

D

27.25

Total

Gross Tonnage

3864.61

Register Tonnage

2347.92

1st Longitudinal Number (L x D) = 9578

2nd Numeral L x (B + D) = 27209

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

See

15.22 aft
23.37 fwd
11.72 mid

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

Do.

Long Bridge to top of keel

12.89

Draught Moulded

Do.

Long Bridge to top of keel

10.11

22' 5 1/4"

Managers

Parsons Thomas & Co.

Residence

Newport (Mon)

Port of Registry

Newport

If surveyed while building, afloat, or in dry dock

While building & afloat

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	6 x 3 1/2 x .35	
" " from 3/8 length to Collision bulkhead	27		" " Reversed Frame	6 x 3 1/2 x .35	
" " in peaks	24		" " Vertical Struts	4 x 3 1/2 x 3 1/2 x .38	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	40 x .49	
Frame Amidships, Angle, E or C	12 x 3 1/2 x .54		" " top Angle	5 x 5 x .47	
Extends up to	Upper deck		" " bottom Angle	6 x 6 x .53	
Frame in after hold	N.B.S		Side Girders, No. each side and thickness	One x .36	
Reversed Frame Amidships, Angle	9 x 3 1/2 x .44		Margin Plate depth (excl. of flange) and thickness	3 1/2 x .47	
Frame in forward hold	N.B.S		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 x 3 1/2 x .37	
" " Extends up to	8 x 3 1/2 x .44		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	5 x 5 x .37	
Depth of Framing Girder	6 1/2 x 3 1/2 x .46	aft	" " Gussets, spacing and scantling abaft 1/2 len. from stem	3 1/2 x 3 1/2 x .37	Every frame in E & B space
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	8 x 3 1/2 x .44	fwd	" " Gussets, spacing and scantling forward 1/2 len. from stem	3 1/2 x 3 1/2 x .37	Every frame
" " Second 'tween Decks, Angle, E or C			Tank Side Brackets, height above base line at toe of Frame and thickness	5' 4 x .43	
" " Third " " " "			INNER BOTTOM PLATING.		
Framing in Peaks, Angle or C	6 1/2 x 3 1/2 x .50		Breadth and thickness of Middle Line Strake	72 x .45	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 inch. 6 1/2 diams		Thickness of remainder in Holds	.42	
State if Frame Joggled	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	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Deep frames 10 x 3 1/2 x .49 N.B.S. One side stringer, 5 x 5 x .37 bottom frames		BEAMS.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	3 stringers of shell of 3 thickness to collision bulkhead.		Uppermost Continuous Deck, amidships in Wells, Angle, E or C	6 1/2 x 3 1/2 x .36	
SINGLE BOTTOM.			" " in way of Bridge, Angle, E or C	6 1/2 x 3 1/2 x .34	
Floors, Depth and thickness at mid-line in Holds			Spacing	Every frame	
Height of Brackets at side above base line at toe of frame			Second Deck, amidships, Angle, E or C	7 1/2 x 3 x .42 fwd	
Middle Line Keelson, on Floors, Angles, E or C			Spacing	6 1/2 x 3 x .40 aft	6 1/2 x 3 1/2 x .40
" " Through Plate or Intercoastal Plate			Third Deck, amidships, Angle, E or C		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Fourth Deck, amidships, Angle, E or C		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercoastal Plate			Poop Deck, Angle, E or C	6 1/2 x 3 x .34	6 1/2 x 3 1/2 x .34
" " Angles			Spacing	Every frame	
DOUBLE BOTTOM.			Bridge Deck, Angle, E or C	6 1/2 x 3 x .34 fwd	6 1/2 x 3 1/2 x .34
Solid Floors, thickness and spacing	36 27" 30" 90"		Spacing	6 1/2 x 3 x .40 E & B	6 1/2 x 3 1/2 x .40
" " Are Frame and Reversed Frame joggled?	Yes		Forecastle Deck, Angle, E or C	9 x 3 1/2 x .53	9 x 3 1/2 x .53
Bracket Floors, breadth and thickness at middle line	30 x .36		Spacing	9 x 3 1/2 x .42	8 1/2 x 3 x .48
" " breadth and thickness at margin plate	30 x .36			Ultimate frames.	

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.....	Three		Stringer Plate, breadth and thickness in way of Bridge		
" in 'tween Decks, Size and Spacing.....	3" diam. All frames		Thickness of Plating abreast Deck openings in way of Wells .....	.30	
" " " " " aft	double angles 6 x 3 1/2 x .50		Thickness of Plating abreast Deck openings in way of Bridge .....	.30	
" in Holds	4 angles 4 x 4 x .42	see plans	Thickness of Plating within line of openings.....	.30	
" " " " " to	6 x 6 x .60		If Sheathed, material and thickness		
" " " " " to	5 x 5 x .54		Third Deck.		
Centre Line Bulkhead.			Stringer Plate, breadth and thickness.....		
Stiffeners and Spacing.....			If Plated, state thickness.....		
Plating, thickness of			Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....		
Uppermost Continuous Deck.			If Plated, state thickness		
Stringer Plate, breadth and thickness in Wells	.74 - .54 aft		Poop Deck.		
" " " " in way of Bridge	52 1/2 x .78 - .40 fwd		Stringer Plate, breadth and thickness	33 x .34	
" Angle in Wells	52 1/2 x .36		Plating, Sheathing, material and thickness ...	.30	
Thickness of Plating abreast Deck openings in way of Wells	6 x 6 x .74 - .60		Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Bridge .....	.54 L .40		Stringer Plate, breadth and thickness.....	52 1/2 x .43	
Thickness of Plating within line of openings...	.32		Plating, Sheathing, material and thickness ...	.40 abreast openings	
If Sheathed, material and thickness .....	.40 - .32		Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....	33 x .34	
Stringer Plate, breadth and thickness in Wells	52 1/2 x .34 L		Plating, Sheathing, material and thickness ...	.30 5 x 2 1/2 p.p.	
	33 x .34				

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	50	.70	.63	.63		Double	7/8	3/3	4 L 3	7/8	3 1/2 - 3 1/8	Lapped	
„ DBLG. (if any)	-	-	-	-		-	-	-	-	-	-	-	
<i>AGED 3 at 75 1/2</i> BOTTOM PLATING, No. of of Strakes 4	56	.59	.44	.44		Double	7/8	3/3	3	7/8	3/8	Lapped	
BILGE PLATING, No. of Strakes 63	63	.59	.44	.44		"	7/8	3/3	3	7/8	3/8	"	
SIDE PLATING, No. of Strakes 2	76	.58	.42	.42		"	7/8	3/3	3	7/8	3/8	"	
UPPER DECK, Sheer- strake in Wells.....	60	.76	.42	.42		"	7/8	3/3	4 L 3	1 1/8	4" for 1" R	"	
UPPER DECK, Sheer- strake in Bridge ...	56	.58	✓	✓		"	7/8	3/3	3	7/8	3/8	"	
STRAKE BELOW Sheer- strake in Wells.....	76	.64	.42	.42		"	7/8	3/3	4 L 3	7/8	3/8	"	
STRAKE BELOW Sheer- strake in Bridge ...	76	.58	✓	✓		"	7/8	3/3	3	7/8	3/8	"	
POOP SIDE PLATING	✓	✓	✓	.36		Single	3/4	3	2	3/4	2 5/8	"	
BRIDGE SIDE PLATING ...	88	.53	✓	✓		Double	7/8	3/3	4	7/8	3/2	"	
FOREC'TLE SIDE PLATING	✓	✓	.40	✓		Single	3/4	3	Single	3/4	2 5/8	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	5
Extending to Upper Deck (Sec. 3 c).....	5
„ Deck next below.....	Nil
As per Rule.....	5

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	✓	✓	✓
STEM	Rolled bar	9 x 2 ³ / ₈	Trudingham	8 ³ / ₄ x 2 ³ / ₈
STERN FRAME { Propeller Post	Forging	10 ¹ / ₄ x 6 ¹ / ₂	J. S. Foster & Sons Ltd	
{ Rudder		9 ¹ / ₄ x 6 ¹ / ₂		
RUDDER—A x D	Balanced Reaction Rudder			
Speed of Vessel		10 knots		
RUDDER mainpiece at head ...	Forging	7 ³ / ₄	J. S. Foster & Sons Ltd.	
" " heel ...		7 ³ / ₄		
" how constructed	Forged with arms shank on. Stream-lined with wood.			
" double or single plate	Single plate			.85
" coupling, vertical or horizontal	Horizontal			

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD.	Upper tween decks	.30	9 x 3 1/2 x .40	32	✓	✓
"	" Second "	✓	✓	✓	✓	✓
"	" Third "	✓	✓	✓	✓	✓
"	" Holds .....	.40 - .30	9 x 3 1/2 x .40	32	✓	✓
COLLISION	" (in Hold) .....	.46 Floor .37 - .30	10 x 3 1/2 x .42	25 1/2	1 W.T. flat 1 S.B.B.	
AFTER PEAK	" " .....	.42 Floor .32 - .30	8 x 3 1/2 x .50	25 1/2	Recess tops & lower deck.	

STEEL.

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

South Durham S & L Co. L:

Has the Steel been tested as required by the Rules?

Yes

Open hearted

Dorman Long & Co. Ltd: Cargo Fleet & Co. Ltd.

Lloyd's Reg
Foundation

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.)

The following plans approved for 40292 (Sld. rpt 40 30029) also apply to this vessel:-
Deck Plan: Bottom Strengthening Forward: Balanced Rudder and Sternframe: Bulkheads (aft).
Pumping Arrangements: Painting Arrangements: Quarter Pillars and Deck Gardens (aft).
These also are being retained for dealing with 40294 and copies are in the London Office. Three forging certificates are enclosed.

Duplicate vessel except for alterations due to increased height of forward tween decks :-
S/S. KNIGHT OF THE CROSS. Sld. rpt 40 30029. Rudder 40 292

Particulars of Drop Test of Cast Steel Anchors, viz. :- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	29.0.15	K.H.	6547	28.6.29
	2nd "	29.0.9	K.H.	6544	28.6.29
	3rd "	30.2.4	N.B.	6534	14.6.29

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 34.0 ft., R.Q.D. — ft., Bridge 107.5 ft., Forecastle 38.0 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 2 Dks (Stl)

Official No. 145653 ; Signal Letters
Is bottom of Vessel coated with cement Rule cement if not given
particulars of composition E + B Tanks fully cemented, remainder with fillets.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length.		Water Capacity.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	112.5	284		Fore peak tank,	20.25	83	
Double bottom, under Engines and Boilers,	-	-		After peak tank,	14.00	96	
Double bottom, if under Engines only,	22.5	86		Deep tank, aft,	/	/	
Double bottom, if under Boilers only,	15.0	DRY		Deep tank, forward,	/	/	
Double bottom, forward,	154.5	482		Other tanks, if fitted,	/	/	
Total capacity of double bottom			852	(If necessary, furnish further information by sketch.)			

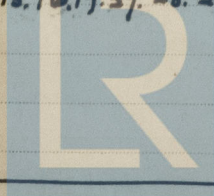
* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 5685

Date 24.9.28

Dates of Surveys held while building

1928. Dec. 14. 18. 21. 24. 1929. Jan. 3. 8. 14. 28. Feb. 5. 7. 11. 27. Mar. 1. 4. 11. 13. 15. 19. 22. 25
27. Apr. 2. 9. 12. 15. 17. 23. 25. 29. 30. May. 2. 6. 13. 16. 17. 27. 28. 29. June. 4. 7. 11. 13. 18. 20. 21.
July. 1. 2. 11. 18. 22. 25. 29



Lloyd's Register
Foundation
Total No. of Visits 52