

Rpt. 1.

STEEL STEAMER or MOTORSHIP.

Received at London Office 4 JUL 1929

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 3.7.29

Port of

NEWCASTLE-ON-TYNE.

No.

84420

Survey held at

Hebburn-on-Tyne

Date First Survey

28 Dec. 1928

Last Survey

20 June

1929

On the

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

steel, single sc. steamer

"FOWBERRY TOWER"

State Type

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

Complete Superstructure with tonnage opening

State Type of Erections

Forecastle above superstructure

TONNAGE under Tonnage Deck...

4211.84

CLASS

100 A.I. with 1st

State if with freeboard as condition of Class

Built at

Hebburn-on-Tyne

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Total

Gross Tonnage

4484.34

Register Tonnage

2755.79

REGISTERED DIMENSIONS.

FEET.

Length

400.7

Breadth

53.4

Depth

25.0

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

L 400.0

Breadth (greatest moulded)

B 53.0

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

D 27.5

1st Longitudinal Number (L x D) = 14200

2nd Numeral L x (B + D) = 35400

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

23.92

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

11.27

Do. Long Bridge to top of keel

Draught Moulded

Launched

22 May 1929

Yard No.

559

Builders

A.W. Hawthorn, Leslie & Co. Ltd

Owners

W. Milburn & Co. Ltd

Managers

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

Residence

Newcastle

Port of Registry

Newcastle

If surveyed while building, afloat, or in dry dock

all three

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	31				Bracket Floors, Frame	BA	6	3 1/2	33
" " from 1/2 length to Collision bulkhead	27				" " Reversed Frame	BA	5 1/2	3	33
" " in peaks	24				" " Vertical Struts	Channel	10	3 1/2 x 3 1/2	42
SIDE FRAMING.					Centre Girder, depth and thickness amidships		42 1/2	55	
Frame Amidships, Angle, [or]	12	3 1/2 x 3 1/2	55 x 50		" " top Angles	2	3 1/2	3 1/2	53
" " Extends up to	2 1/2	dk			" " bottom Angles	2	4	4	59
Reversed Frame Amidships, Angle					Side Girders, No. each side and thickness		one	41	
" " Extends up to					Margin Plate depth (excl. of flange) and thickness		38	53	
Depth of Framing Girder	12				" " Vertical Angle to Tank side		5	5	44
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	5 1/2	3	36	5 1/2 x 3 1/2 x 32	" " Bracket abaft 1/2 len. from stem				
" " Second 'tween Decks, Angle, [or]					" " Vertical Angle to Tank side		3 1/2	3 1/2	44
" " Third " " "					" " Bracket forward 1/2 len. from stem				
Framing in Peaks, Angle, [or]	7 1/2	3	36		" " Gussets, spacing and scantling abaft 1/2 len. from stem				
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8	7 dia.			" " Gussets, spacing and scantling forward 1/2 len. from stem				
State if Frame Joggled	400				Tank Side Brackets, height above base line at toe of Frame and thickness		5-8 1/2	47	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	3 struts	reverse basis on frames			INNER BOTTOM PLATING.				
STRENGTHENING OF BOTTOM FORWARD. State Particulars	additional intercostals	double rivets bottom frames	3 struts midship thickness		Breadth and thickness of Middle Line Strake		70	49	
SINGLE BOTTOM.					Thickness of remainder in Holds		44 1/2	42	
Floors, Depth and thickness at mid-line in Holds					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?		4 1/2		
Height of Brackets at side above base line at toe of frame					BEAMS.				
Middle Line Keelson, on Floors, Angles, [or]					Uppermost Continuous Deck, amidships in Wells, Angle, [or]		7	3	37
" " Through Plate or Intercostal Plate					" " in way of Bridge, Angle, [or]		7	3	43
" " Foundation Plate on Floors					Spacing		31		
" " Flat Plate Keel Angles					Second Deck, amidships, Angle, [or]		8	3	36
Side Keelsons, No. each side					Spacing		31		
" " thickness of Intercostal Plate					Third Deck, amidships, Angle, [or]				
" " Angles					Spacing				
DOUBLE BOTTOM.					Fourth Deck, amidships, Angle, [or]				
Solid Floors, thickness and spacing	41	93			Spacing				
" " Are Frame and Reversed Frame joggled?					Poop Deck, Angle, [or]				
Bracket Floors, breadth and thickness at middle line	2 1/8	41			Spacing				
" " breadth and thickness at margin plate	2 1/8	41			Bridge Deck, Angle, [or]				
					Spacing				
					Forecastle Deck, Angle, [or]		9 1/2	3 1/2	46
					Spacing		4-6	4-0	

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..... <i>two + Centre Bkd</i>				✓					
" in 'tween Decks, Size and Spacing.....									
" " " " " "									
" in Holds									
" " " " " "									
Centre Line Bulkhead, Stiffeners and Spacing <i>(midship) BA</i>	10	3 1/2	56	✓					
Plating, thickness of		30		✓					
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells		57	52	✓					
" " " " " in way of Bridge									
" Angle in Wells	6	6	56	✓					
Thickness of Plating abreast Deck openings in way of Wells			48	✓					
Thickness of Plating abreast Deck openings in way of Bridge				✓					
Thickness of Plating within line of openings...			36	✓					
If Sheathed, material and thickness				✓					
Second Deck.									
Stringer Plate, breadth and thickness in Wells...	75	38		✓					
Stringer Plate, breadth and thickness in way of Bridge									
Thickness of Plating abreast Deck openings in way of Wells									
Thickness of Plating abreast Deck openings in way of Bridge									
Thickness of Plating within line of openings...									
If Sheathed, material and thickness									
Third Deck.									
Stringer Plate, breadth and thickness.....				✓					
If Plated, state thickness.....									
Fourth Deck.									
Stringer Plate, breadth and thickness.....				✓					
If Plated, state thickness									
Poop Deck.									
Stringer Plate, breadth and thickness				✓					
Plating, Sheathing, material and thickness									
Bridge Deck.									
Stringer Plate, breadth and thickness.....				✓					
Plating, Sheathing, material and thickness									
Forecastle Deck.									
Stringer Plate, breadth and thickness	43	35		✓					
Plating, Sheathing, material and thickness									

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		BUTTS.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.
	Inches.	Inches.	Inches.	Inches.			Diam. Spacing or to cr.		Diam. Spacing or to cr.
FLAT PLATE KEEL	51	76	66	66	✓	double	7/8 3 1/2	4	1" 4" Lapped
" DELG. (if any)									
BOTTOM PLATING, No. of Strakes		58	58	48	58 on bow ✓	"	" "	3	7/8 3 1/2
BILGE PLATING, No. of Strakes		58	48	48	" " ✓	"	" "	3	" "
SIDE PLATING, No. of Strakes		58	46	48	" " ✓	"	" "	3	" "
UPPER DECK, Sheer-strake in Wells		66	52	50	✓			4	7/8 3 1/2
UPPER DECK, Sheer-strake in Bridge					See plan 50"				
STRAKE BELOW Sheer-strake in Wells	50	62	46	46	✓	"	" "	4	7/8 3 1/2
STRAKE BELOW Sheer-strake in Bridge									
POOP SIDE PLATING									
BRIDGE SIDE PLATING									
FORECASTLE SIDE PLATING			41		✓	single	3/4 3	2	3/4 2 7/8 7/8 3 1/2

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	6
Extending to Upper Deck (Sec. 3 c)	1
" Deck next below	5
As per Rule	as above

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Upper tween decks					
" " Second					
" " Third					
" " Holds	38/26	11x33x52	30"		
COLLISION " (in Hold)	45/29	10x33x50	24"	Rob + Suni box beam	
AFTER PEAK " "	41/30	7x3x36	30"	" " "	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Flat Plate			
STEM	Roller	9 1/2 x 2 1/2	Lanarkshire	
STERN FRAME { Propeller Post	Forced ingot steel	10 1/2 x 7 1/2	Wiltons	
{ Rudder	"	9 x 7 1/2		
RUDDER—A x D	483-6			
Speed of Vessel	10			
RUDDER mainpiece at head	Forced ingot steel	9 7/8	Wiltons	
" " heel	Steel	7 1/4		
" how constructed	arms shrunk keyed to main piece			
" double or single plate coupling, vertical or horizontal	single horizontal	1.0Y"		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	Dorman Long, Corbett, S. Durham, Bolckow Vaughan
	open-hearth process
	Has the Steel been tested as required by the Rules? Yes.

EQUIPMENT No. 35953										LETTER Z		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.			
61938	1st Bower ...	64	1	12				50	12	2	0	63 3/4	Britannic	R. Sykes & Son	Tipton, 27.2.29 Drydock
61938	2nd " ...	62	0	0				49	10	0	0		"	" " "	" 25.2.29 "
61311	3rd " ...	55	3	14				45	18	1	21		"	" " "	" 5.7.28 "
	Collective weight.	182	0	26								182			
62028	Stream	17	3	10	4	2	18	18	18	0	14	18 17 1/2	Ordinary	" " "	" 20.3.29 "

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.					Fathoms.	Ins.		Fathoms.	Ins.
32980	270	2 1/4	91 1/8	127 1/2	693.	3.	14	682 1/4	270	2 1/4	Steel	R. Sykes & Son	Cff 26.3.29, Jones.	TOWLINE...	120	5"	73	120	5"
														HAWSERS & WARPS }	2-90 5"		2-90 5"		
														"	2-90 7"		2-90 7"		
														"	2-90 8"		-		
Iron Stream Chain or Steel Wire	90	4 3/4	47						90	4 3/4	✓			"					

Steering Gear, Steam Donkies (Worm gear type) Steering Gear, Hand Tackle to wheel
Boats 2 - 24' 3", 1 - 16' 0" Steering Chains, Size and Test 1 7/16, 24-15-0-0 Windlass Steam 9 3/4 x 12 1/2
Ceiling in Holds, thickness and material 2 1/2" under hatchway Cargo Battens, thickness, material and spacing 6 x 2" - 9" spacing
Cargo Hatchways.-(Upper Deck) 2 1/2" coaming Thickness of Hatches 2 1/2"
Size of No. 1 Hatchway (Forward) 29' 3" x 20 No. 2 31' x 20 No. 3 15' 6" x 19' No. 4 31' x 20 No. 5 31' x 20 No. 6 "
Number of Shifting Beams and/or Fore and Afters 5 5 2 5 5

R. & W. HAWTHORN, LESLIE & CO LIMITED.

Builder's Signature

John J. Raley DIRECTOR

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel. (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. 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 Society's Rules and the Committee's instructions. The workmanship and materials are good and to my satisfaction. All ballast tanks (including peaks) have been filled with water to rule head and tested. All W.T. bulkheads, tunnel weather decks have been hose-tested. The assigned freeboards have been marked on vessel's sides verified & cut in.

A print of midship section of vessel as built is forwarded along with the approved plans.

The amount of Entry Fee £ 8 : 0 : 0 Fees applied for, 18.6.1929
Special Survey Fee.... £ 299 : 4 : 0 Received by me, 19.6.1929
Travelling Expenses, if any £ 9 : 3 : 4

I am of opinion the Vessel should be Classed +100 A1 with Plate

State whether the Vessel has been built under Special Survey yes

Signature

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Newcastle

Date of issue 11/7/29

Committee's Minute,

TUE. 9 JUL 1929

Character assigned

-1- 100 A1

with freeboard

thine 6.29

Lloyds ascp.

cl

mlh



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Lloyd's Register Foundation

W28-0070(2/2)

