

STEEL ~~STEAMER~~ MOTORSHIP.

Received at London Office NOV 2 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 *yes*

Date of completion of report

30th October, 1940

Port of

Sunderland

No. 32996

Survey held at

Sunderland

Date First Survey

3 January

Last Survey

26 October 1940

On the

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

Single Screw M/V. "FULTALA"

Engines Amidships

State Type

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

Complete Superstructure with one Tonnage Opening

State Type of Erections

Forecastle on

TONNAGE under

Tonnage Deck...

4417.05

CLASS

X100A1

State if with freeboard
as condition of Class*yes*

Built at

Sunderland

Launched

6th August 1940

Yard No.

664

Builders

Wm Doxford & Sons Ltd.

Owners

British India Str. Nav. Co. Ltd.

Managers

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

Residence

London

Port of Registry

London

If surveyed while building, afloat, or in dry dock

Whilst building.

REGISTERED DIMENSIONS.

FEET.

Length

426.0

Breadth

54.3

Depth

26.1

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

L 416.71

Breadth (greatest moulded)

B 53.96

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

D 37.58

1st Longitudinal Number (L x D)

= 15243

2nd Numeral L x (B + D)

= 37729

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

24.98

Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel

11.09

Do. Long Bridge to top
of keel

Draught Moulded

25-4 3/8

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	31 1/2	✓	Bracket Floors, Frame	6 3/2	✓
" from 1/2 length amidships to Collision bulkhead	27	✓	" " Reversed Frame	7 3	✓
" in peaks	24	✓	" " Vertical Struts	8 x 3 1/2 x 3 1/2 x .42	✓
FRAMING.			Centre Girder, depth and thickness amidships	43 1/4 x .54	✓
Frame Amidships, Angle, [or]	13 1/2 4 .49	✓	" " top Angles	3 1/2 3 1/2 .48	✓
" Extends up to	2nd deck + U.D. @ H.E. beams	✓	" " bottom Angles	4 4 .54	✓
Reversed Frame Amidships, Angle	-		Side Girders, No. each side and thickness	One .38	✓
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	40 x .54	✓
Number of Framing Girder	-		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	5 5 .44	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	6 3 1/2 .35	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	5 5 .44	Double ✓
" Second 'tween Decks, Angle, [or]	-		" " Gussets, spacing and scantling abaft 1/2 len. from stem	.42 Continuous	✓
" Third " " "	-		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	.42 - do.	✓
" from 1/2 len. for'd. to 15% len. from Stem	13 1/2 4 .52	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	69 1/2 x .45	✓
" in Peaks, Angle or [8 3 1/2 .38	✓	INNER BOTTOM PLATING.		
Number and Spacing of Rivets through Frame and Shell Plating amid- ships	7/8" @ 5 1/4	✓	Breadth and thickness of Middle Line Strake	72 x .50	✓
Is Frame Joggled	yes	✓	Thickness of remainder in Holds	.44	✓
Are the scantlings and arrangements in the Panting Area 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	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes	✓	BEAMS.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, [or]	7 3 1/2 .49	✓
Frames, Depth and thickness at mid-line in Holds	-		" " in way of Bridge, Angle, [or]	-	
Height of Brackets at side above base line at toe of frame	-		Spacing	every 3rd ft.	✓
Middle Line Keelson, on Floors, Angles, [or]	-		Second Deck, amidships, Angle, [or]	8 3 .45	✓
" " Through Plate or Intercoastal Plate	-		Spacing	every 3rd ft.	✓
" " Foundation Plate on Floors	-		Third Deck, amidships, Angle, [or]	-	
" " Flat Plate Keel Angles	-		Spacing	-	
Side Keelsons, No. each side	-		Fourth Deck, amidships, Angle, [or]	-	
" thickness of Intercoastal Plate	-		Spacing	-	
" Angles	-		Poop Deck, Angle, [or]	-	
" Spacing	-		Spacing	-	
DOUBLE BOTTOM.			Bridge Deck, Angle, [or]	-	
Solid Floors, thickness and spacing	.42 every 3rd ft.	✓	Spacing	-	
" " Are Frame and Reversed Frame joggled?	yes	✓	Forecastle Deck, Angle, [or]	8 3 .36	✓
Bracket Floors, breadth and thickness at middle line	32 1/2 x .42	✓	Spacing	every 3rd ft.	✓
" " breadth and thickness at margin plate	32 1/2 x .42	✓			

PILLARS AND DECKS.			
	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows.....	<i>Two.</i>		
" in 'tween Decks, Size and Spacing.....	<i>6" to 8" dia</i> \odot ✓		
" " " " " "	<i>widely spaced.</i> ✓		
" in Holds " " " "	<i>12$\frac{1}{2}$" to 15$\frac{3}{4}$" dia</i> \odot ✓		
" " " " " "	<i>widely spaced</i> ✓		
Centre Line Bulkhead.			
Stiffeners and Spacing.....	✓		
Plating, thickness of	✓		
STRINGERS AND DECKS.			
Uppermost Continuous Deck.			
Stringer Plate, breadth and thickness in Walls	<i>68 x .65</i> ✓	<i>+ 10% for $\frac{1}{2}$ L.</i> ✓	
" " " " in way of Bridge	-		
" Angle in Walls	<i>6 6 .58</i> ✓		
Thickness of Plating abreast Deck openings) in way of Walls	<i>.57 .53</i> ✓	<i>+ 10%.</i>	
Thickness of Plating abreast Deck openings) in way of Bridge	-		
Thickness of Plating within line of openings...	<i>.42</i> ✓	<i>+ 10%.</i>	
If Sheathed, material and thickness	-		
Second Deck.			
Stringer Plate, breadth and thickness in Wells...	<i>70 x .40</i> ✓		
Stringer Plate, breadth and thickness 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.....	<i>.36</i> ✓		
Plating, Sheathing, material and thickness ...	<i>.34</i> ✓		

SCANTLINGS.					RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		No.	BUTTS.	BUTTS.		STRAPPED OR LAPPED.		
	AMIDSHIPS.		FORWARD.			SINGLE OR DOUBLE.	RIVETS.			No. OF ROWS OF RIVETS.	RIVETS.			
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.				Spacing or to cr. Inches.		Diam. Inches.	Spacing or to cr. Inches.
FLAT PLATE KEEL	52	78	68	68		Double	1	3 7/8	Four	1	3 1/2	Lapped		
" DELG. (if any)	-	-	-	-		-	-	-	-	-	-	-		
BOTTOM PLATING, No. of Strakes four.....	* 60	50	50			Double	7/8	3 1/2	Three	7/8	3 1/2	Lapped		
BILGE PLATING, No. of Strakes Del.....	60	50	50			"	7/8	3 1/2	"	7/8	3 1/2	"		
SIDE PLATING, No. of Strakes four.....	60	46	46			"	7/8	3 1/2	"	7/8	3 1/2	"		
UPPER DECK, Sheer- strake in Wells.....	90	73	46	46	+07 for 1/2 L.	"	7/8	3 1/2	Four	7/8	3 1/2	"		
UPPER DECK, Sheer- strake in Bridge ...	five including strake below sheer													
STRAKE BELOW Sheer- strake in Wells.....	* ABC. 66 from 1/2 L to CB.													
STRAKE BELOW Sheer- strake in Bridge ...														
POOF SIDE PLATING														
BRIDGE SIDE PLATING ...														
FORECASTLE SIDE PLATING	42					Single	3/4	3"	Double	3/4	2 7/8	Lapped.		

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)	<i>One</i>	-	-	-	-
„ Deck next below	<i>Six</i>	<i>Rolled.</i>	<i>97 1/2 x 2 3/8</i>	<i>Steel plates</i>	-
As per Rule	<i>seven.</i>	<i>C.S.</i>	<i>15 3/4 x 13</i>	<i>Steel plates</i>	-
		KEEL, Bar	-	-	-
		STEM	-	-	-
		STERN (Propeller Post)	-	-	-

		Plating Thickness.	VERTICAL.		HORIZONTAL.		Speed of Vessel.....	12
			Scantlings.	Spacing.	Scantlings.	Spacing.		
MIDSHIP BULKH'D , Uppertween decks							RUDDER—Type.....	<i>Semi Balanced Ratchet</i>
"	"	Second	"				" A x D	-
"	"	Third	"				" Diam. of head	8 ✓
"	"	Holds	40-26	$12 \times 3\frac{1}{2} \times 3\frac{1}{2}$	$42 \times 26\frac{1}{2}$	30	" Mainpiece at top pintle	12 ✓
COLLISION	"	(in Hold)	54-30	$10 \times 3\frac{1}{2} \times 48$	24	<i>Semi box</i>	" " heel ...	8½ ✓
AFTER PEAK	"	"	42-30	$8 \times 3 \times 36$	24		" how constructed	<i>Built</i> ✓
							" double or single plate	<i>Double</i> ✓
							" coupling, vertical or horizontal	<i>Horizontal</i> ✓

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *S.M. Open Hearth.*
South Durham, Skinningrove, Cargo Fleet, Consett, Dorman Long.
Colvilles and Appleby, Rotherham
Has the Steel been tested as required by the Rules? *Yes.* ✓

ANCHORS.

Number of Certificates.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 63.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.				
39491	1st Bower ...	68	1	7	Stockless			52	18	3		68	✓	Byers Improved	W. Byers	Std. 22-5-40 Norman
39492	2nd " ...	68	-	21	"			52	15	2	14	68	✓	Stockless	do	" " "
	3rd " ...											58 1/2	✓			
	Collective weight.	136	2									194 1/2	✓	Ord. br. 9.	-	
53418	Stream	19	2	11	4	3	22	20	6	1	0	19	✓			Grad. Neath 12-7-40 Bea

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.	Status-ory.	Break-ing	Supplied.	Per Rule.	Length.	Diam.	Fathoms.	Inch.	Cir.	Gra.					Ibs.	Length.		Diam.	Fathoms.	Inch.	Cir.
20927	226	2 ⁵ / ₁₆	96 ³ / ₈	134 ³ / ₈	607-1-	11	720- ³ / ₄	270	2 ⁵ / ₁₆	Said Link	W.L. Byers	Sld. 7-5-40. Norman	TOWLINE.	120	4 ³ / ₄	64.6	120	4 ³ / ₄	2090	2 ³ / ₄	15.2	2090	2 ³ / ₄
													HAWKERS & WARPS	"	2090	2 ⁵ / ₁₆	13.1.	2090	2 ⁵ / ₁₆				
Lane Stream Cable - used at Steel Wire	90	5	-	52.8				90	5"	S.W.					4090	8	Manilla						

Steering Gear, Type (Power ~~mechanical~~) 8 x 7 1/2 Donkin Alternative Means of Steering Block & tackle + after winch

Steering Chains (Size and Test) ✓ Windlass Emerson Walker 10 x 12 1/2 S Boats 2 @ 2594 2 @ 26'

Ceiling in Holds, thickness and material $2\frac{1}{2}"$ OP over Bilges. Cargo Battens, thickness, material and spacing $2" \text{ OP. } @ 9" \text{ sp. } \checkmark$

Cargo Hatchways.—(Upper Deck) *Steel plates + angles see plan* Thickness of Hatches *3" O.P. with 1/8" steel plates*

Size of Hatchways No. 1 (Fwd.) $31-6 \times 22$ No. 2 $31-6 \times 22$ No. 3 $21-0 \times 22$ No. 4 $31-6 \times 22$ No. 5 $31-6 \times 22$ No. 6 ✓

Number of Shifting Beams *5 to each hatchway.*
 and/or Fore and Afters

Builder's Signature WILLIAM DOXFORD & SONS, Limited,

WILLIAM DOXFORD & SONS, Limited,
J. Kausar, Golliu, 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 *Oil Engines*
(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). *oil tanks*

Fuel Oil for Oil Engines is carried in deep tank and ~~203~~ 4 + 5. double bottom tank.

The vessel has been constructed in accordance with the approved plans, the Secretary's

letters and the Society's Rules. The materials and workmanship are good.

The double bottom tanks, cofferdams, deep tank & peak tanks have been inspected.

tested as required by the rules.

The upper and lower accos, however, were not

Handwritten: nose black, also a large dark spot.

...and suitable done has been tested under working conditions

Treebands have been marked on the vessel's sides cut in and verified.

The complement of Anchors & Chains has been reduced as per the Secretary's letter 27-2-40

||| Beiling has not been laid under the hatchways, but is to be done when the vessel arrives in

India see Secretaries letter 19-12-39.

The amount of Entry Fee £ 9 : 0 : 0

Special Survey Fee.... £ 326 : 5 : 6 Received by me, I am of opinion the Vessel should be Classed ☒ 100A1

Travelling Expenses, if any £ : - : 30 Oct 1940 *Wm.* Subject to ceiling being laid under hatch

State whether the Vessel has been built under Special Survey yes Signature C. A. Miller

Certificate to be sent to Sunderland Date of issue 22/11/40.

Committee Minute THE 19 NOV 1940

Character assigned +100%

With freeboard 1 1/2

Hand. Anal. of. 10.40

2 LK - 120 WS. 2020

Lloyd's R

Equipe de Trabalho

Similar Vessel M/v Derwenthall. See Rpt. No 32856.

PARTICULARS OF ELECTRIC WELDING (if employed) Type:- Flatweld. and Quasi-arc overhead.
2nd Deck stringer plates to shell. Horizontal girders in Deep tank + Peak tanks. Boats
Backhead stiffener brackets to tank top. Tank side gusset plates. Hatch web maintainings.
Ventilator coamings to deck. + Rudder plates.

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

Cruiser Stern, Lloyds A + CP. D.F

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	38-2.0	J.D.	2727	5-4-40.
	2nd "	38-2.22.	J.D.	2862.	16-3-40
	3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 40. ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated —

Official No. 168029. Signal Letters Extreme Breadth over Belting — Over-all Length 441.8
(Circ. 1611) (Circ. 1705)

No. and Material of Decks 1 BK. (Stl.) and Shelter DK. (Stl.)

Parts of Bottom of Vessel coated with cement or approved composition Double bottom + Peak tanks.

except in oil fuel tanks Nos 4 & 5
See letter 12.11.40

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	115.5	302	Fore peak tank,	26	122
Double bottom, under Engines and Boilers,	13.1	55	After peak tank,	18	149
Double bottom, if under Engines only,	23.6	80	Deep tank, aft,		
Double bottom, if under Boilers only, 3 Cofferdams	7.8	—	Deep tank, forward, of Oil for Oil Fuel.	21	829. ✓
Double bottom, forward,	186.8	652	Other tanks, if fitted,		
Total length (if continuous) and Capacity	346.6	1089	(If necessary, furnish further information by sketch.)		

Order for Special Survey No 5913

Date 16.5.39

Dates of Surveys held while building

1940. Jan. 3.11.18.20.21.24.26. Mar. 1.6.8.12.18.20.26.27. Apr. 1.4.10.15.25.26.29. May 1.2.
6.7.15.17.23.28.30.31. July 1.8.10.12.15.24. Aug. 6.26. Sep. 2.9.11
13.16.19.23.24.25. Oct. 4.16.22.23.25.26.



Lloyd's Register
Foundation

Total No. of Visits 65