

STEEL STEAMER OR MOTORSHIP.

Received at London Office

No 67281 W.R.B.

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

Yes

Date of completion of report

Port of Sunderland

No. 34495
(C.900)

Survey held at Sunderland

Date First Survey 14th December 1943

Last Survey 17th July 1945

1945

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

Single screw steamer "Mullion Cove"

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

C.S.S. without Tonnage Opening

State Type of Erections

Focle & raised upper Dk aft.

TONNAGE under Tonnage Deck ...

6723.0

CLASS +100A1

State if with freeboard as condition of Class

Yes

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)

FEET

425.0

Breadth (greatest moulded)

B 56.0

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

D 38.0

1st Longitudinal Number (L x D)

15725

2nd Numeral L x (B + D)

39525

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

21.83

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

11.18

Do. Long Bridge to top of keel

✓

Draught Moulded

✓

Owners Admiralty

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry

If surveyed while building, afloat, & in dry dock

Yes

REGISTERED DIMENSIONS.

FEET

431.2

56.3

35.6

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	36 ✓		Bracket Floors, Frame	✓	
from 1/3 length amidships to Collision bulkhead	27 ✓		Reversed Frame	✓	
in peaks	24 ✓		Vertical Struts	✓	
FRAMING.			Centre Girder, depth and thickness amidships	43 1/4 54	
me Amidships, Angle, E or F	12 3 1/2 5 1/4 ✓		top Angles	3 1/2 3 1/2 48	
Extends up to	U.Dk even 3rd ✓		bottom Angles	4 4 54	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	2 7+3+42 7+3 1/2+42 5	
Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	-56 ✓	
th of Framing Girder	12 ✓		Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	Welded	
nes in Uppermost Continuous 'tween Decks, Angle, E or F	6 3 1/2 44 ✓		Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	Welded	
Second 'tween Decks, Angle, E or F	✓		Gussets, spacing and scantling abaft 1/4 len. from stem	14+42 continuous ✓	
Third	✓		Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	14+42 ✓	
from 1/2 len. for'd. to 15% len. from Stem	12 3 1/2 5 1/4 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	111+48 ✓	
in Peaks, Angle, E or F	8 3 1/2 35 ✓		INNER BOTTOM PLATING.		
meter and Spacing of Rivets through Frame and Shell Plating amidships	7 1/4 3 1/2 7" bottom 3 1/4 6 1/4 side ✓		Breadth and thickness of Middle Line Strake	Plated athwartships. 46+42 54 under hatches.	
if Frame Joggled	Yes ✓		Thickness of remainder in Holds	Yes ✓	
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 ✓	
the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓		BEAMS. Longitudinal		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in	6+3 1/2+40 spaced 37 1/2-43 1/4	
ers, Depth and thickness at mid-line in Holds	✓		Wells, Angle, E or F	4 transverses 12+4+4+50/60	
Height of Brackets at side above base line at toe of frame	✓		in way of Bridge, Angle, E or F	spaced 9'-0" apart ✓	
le Line Keelson, on Floors, Angles, E or F	✓		Spacing		
Through Plate or Inter-costal Plate	✓		Longitudinal		
Foundation Plate on Floors	✓		Second Deck, amidships, Angle, E or F	7+3+40 spaced 38 1/4-45 1/4	
Flat Plate Keel Angles	✓		Spacing	2 cantilever beams as approved 9'-0" apart ✓	
Side Keelsons, No. each side	✓		Third Deck, amidships, Angle, E or F	✓	
thickness of Inter-costal Plate	✓		Spacing	✓	
Angles	✓		Fourth Deck, amidships, Angle, E or F	✓	
Spacing	✓		Spacing	✓	
DOUBLE BOTTOM.			Poop Deck, Angle, E or F	✓	
Solid Floors, thickness and spacing	42 36 ✓		Spacing	✓	
Are Frame and Reversed Frame joggled?	Frame Yes ✓		Bridge Deck, Angle, E or F	✓	
Bracket Floors, breadth and thickness at middle line	✓		Spacing	✓	
breadth and thickness at margin plate	✓		Forecastle Deck, Angle, E or F	7+3+33 8+3+34 42	
			Spacing	24 27 ✓	

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		Stringer Plate, breadth and thickness in way of Bridge		✓	
" in 'tween Decks, Size and Spacing		CL 3rd - 26 plating ✓ 4+3+3/4 13 ✓ 6+3+3/4 5 ✓ spaced 36"-54" ✓		Thickness of Plating abreast Deck openings in way of Wells		40 ✓	
" " " " " "				Thickness of Plating abreast Deck openings in way of Bridge		✓	
" in Holds " " " "		✓		Thickness of Plating within line of openings...		34 ✓	
" " " " " "		✓		If Sheathed, material and thickness		✓	
Centre Line Bulkhead.		7+3+5/16 16 ✓		Third Deck.			
Stiffeners and Spacing	5	10+3+1/2" ✓ spaced 27"-54" ✓		Stringer Plate, breadth and thickness		✓	
Plating, thickness of		.30 ✓		If Plated, state thickness		✓	
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness		✓	
Stringer Plate, breadth and thickness in Wells		91 ✓ .70 ✓		If Plated, state thickness		✓	
" " " " in way of Bridge		✓		Poop Deck.			
" Angle in Wells		6 6 .65 ✓		Stringer Plate, breadth and thickness		✓	
Thickness of Plating abreast Deck openings in way of Wells70 ✓ .65 ✓		Plating, Sheathing, material and thickness ...		✓	
Thickness of Plating abreast Deck openings in way of Bridge		✓		Bridge Deck.			
Thickness of Plating within line of openings...		.40 ✓		Stringer Plate, breadth and thickness		✓	
If Sheathed, material and thickness		✓		Plating, Sheathing, material and thickness ...		✓	
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells		90 1/4 ✓ .44 ✓		Stringer Plate, breadth and thickness		36 ✓	
				Plating, Sheathing, material and thickness...		32 ✓	

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.		STRAKES.
	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.....	55 ⁵ / ₈	80	70	70		Single	7/8	3.6		Welded			
„ Dblg. (if any)	✓					welded inside edge							
Bottom Plating, No. of Strakes4.....	A&C	.64	.56.58	.54.53		double	7/8	3.6	4	7/8	3 1/2	ABC	
Bilge Plating, No. of Strakes1.....	E	.64	.50	.50		double	7/8	3.6	4	7/8	3 1/2	Str	
Side Plating, No. of Strakes3.....	F&H	.64	.46	.46		double	7/8	3.6	3	7/8	3 1/4	lat	
Upper Deck, Sheer- strake in Wells.....	G3	.73	.46	.46		double	7/8	3.6	4	1	4	lat	
Upper Deck, Sheer- strake in Bridge ...	✓					See copy of letter of 28/1/11 attached re btm shell plating							
Strake below Sheer- strake in Wells.....	✓												
Strake below Sheer- strake in Bridge ...	✓												
Poop Side Plating.....	✓												
Bridge Side Plating.....	✓												
Forecastle Side Plating			-40			Single	7/8	3 1/2	1	3/4	2 5/8	lat	

WATERTIGHT BULKHEADS.

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


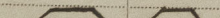
Extending to Upper Deck (Sec. 3 c)..... 6

„ Deck next below..... 7

As per Rule..... 7

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any from Plans
KEEL, Bar		Flat plate		amount
STEM		Roll'd 10x2 1/2		
STERN FRAME {	Propeller Post	Fabricated as	Colville Construction Co. Ltd.	
{	Rudder	approved		
Speed of Vessel		11 knots		whether
RUDDER—Type		Ordinary		
" A x D		578 #		icate to
" Diam. of head		1 15/16	Walsingham Steel Co.	
" Mainpiece at top pintle		✓		omitted
" " heel		✓		tract
" how constructed		Steel plates gangles		
" double or single plate		double		
" coupling, vertical or		vertical		
" horizontal				

			Plating Thickness.	STIFFENERS.			
				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D,	Upper 'tween decks	26		as approved. ✓		
"	"	Second	✓				
"	"	Third	✓				
"	"	Holds 52, 75, 95, 121	34		as approved. ✓		
COLLISION	"	(in Hold) No 144	53-40	9+3 1/2 + 41 6 as approved	24"	88 Beams	6' ✓
AFTER PEAK	"	No 9	50-30	6+3 + 50 6 as approved	24"	"	8' ✓

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

ing Gear, Type (Power ~~on hand~~) Donkin & Co Alternative Means of Steering Amx block & tackle

ing Chains (Size and Test) Telemotor Windlass Clarke Chapman Boats No record

ls, thickness and material ✓ Cargo Battens, thickness, material and spacing ✓

ays—(Upper Deck) Steel plates & angles Thickness of Hatches 2 1/2" ✓ See Bureau letter 10/5/48

ays No. 1 (Fwd.) 31'-6" + 23' ✓ No. 2 36' + 23' ✓ No. 3 36' + 23' ✓ No. 4 ✓ No. 5 36' + 23' ✓ No. 6 36' + 23' ✓

ing Beams } ✓ 6 Hatches ⁷⁺ plated over. ⁷⁺ 7+ 7+

and Afters }

✓ See Bureau letter 10/5/48 Builder's Signature Bartram & Sons Ltd

BARTRAM & SONS LTD.

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. Yes!
 either 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 stated, together with the flash point (where required to be inserted in the Notation). In Nos 2, 3, 4, 5, 7 double bottom tanks
 The ship has been built in conformity with the Society's Rules & Regulations
 secretaries letters. The scantlings & arrangements are in accordance
 or equivalent to those shown on the approved plans. The materials
 manufg are good. The double bottom tanks, deep tanks & peak
 have been tested in accordance with the Rules. The decks,
 ribs, tunnel, hand pumps, WT doors & hatches have been
 duly tested. The steering gear has been tried under
 adverse conditions. The windlass has been tried under
 adverse conditions.

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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 the Plans should be embodied.)

This vessel is of the P.F.C. Type & pre-fabricated materials have been embodied in the structure.

A third deck was fitted in the holds, the materials for which were pre-fabricated to approved plans & supplied to the builders.

Before completion the vessel was taken over from the builders by the Greenwell Ltd & converted into a Steel Repair Ship.

Sister Vessels "Empire Mauritius" Sld Rpt 34144.
"Empire Eden" Sld Rpt 34207
"Empire Tobago" Sld Rpt 34323.

PARTICULARS OF ELECTRIC WELDING (if employed)

"Murex" electrodes.

Parts welded:- keel butts, tank shell seams & butts at ends, centre girder butts, tank tops, tank side to shell, tank side brackets to shell, bulkheads to tanks, gun deck & shell, funnel stools, thrust seating, aux. engine rests, tank rudders, masts, masts houses, midships deckhouse top, tween deck bulkheads.

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

Cruiser stern.

7 Bx (Coll 1/2 W Dk, 6 1/2 2nd Dk) 5 divisional WT Bx in tween deck.

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

1st Bower

2nd "

3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 35 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 34 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. ✓ Signal Letters ✓ Extreme Breadth over Belting (Circ. 1611) ✓ Over-all Length 447' - 9" (Circ. 1703)

No. and Material of Decks 2 dks (sk)

Parts of Bottom of Vessel coated with cement or approved composition d.b. tank under boilers, peaks, wet head double bottom.

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water
Double bottom, aft,	66.0 ✓	254.08	Fore peak tank,	23.4	18
Double bottom, under Engines and Boilers,	42.0 ✓	193.67	After peak tank,	20.0	15
Double bottom, if under Engines only,	✓		Deep tank, aft,	51.0	33
Double bottom, if under Boilers only,	✓		Deep tanks forward,	15.75	24
Double bottom, forward,	208.5 ✓	831.00	Other tanks, if fitted, at sides of engine room	21.00	3
Total length (if continuous) and Capacity	316.5 ✓	1283.75	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6102

Date 25-6-1943

Dates of Surveys held while building

1943 Dec 14 / 1944 Jan 3, 6, 12, 14, 17, 20, 24, 26, 28, 31, Feb 2, 8, 9, 11, 14, 16, 18, 21, 23, 25, 29, Mar 2, 6, 8, 10, 13, 15, 17, 20, 22, 24, Apr 3, 5, 6, 11, 14, 17, 21, 24, 26, 28, May 1, 4, 8, 10, 12, 18, 22, 24, 25, 30, Jun 1, 5, 6, 8, 9, 12, 14, 16, 17, 19, 21, 23, 26, 28, 29, 30, 6, 7, 9, 10, 11, 12, 13, 14, 24, 26, 28, 29, 31, Aug 2, 4, 8, 10, 12, 15, 17, 18, 22, 23, 28, 31, Sep 4, 6, 8, 13, 14, 18, 20, 22, 26, Oct 2, 5, 6, 9, 10, 18, 23, 24, 25, 26, 30, Nov 8, 20, 22, 23, 28, 29, Dec 1, 6, 13, 21, 22, 28 / 1945 Jan 5, 14, Feb 1, 8, 12, 16, 21, 22, 27, Mar 2, 8, 15, 16, 22, 23, 27, Apr 4, 10, 19, 20, 25, 27, May 4, 25, 28, June 1, 6, 7, 8, 13, 19, 20, 22, 23, 29, Jul 5, 6, 9, 11, 12, 16, Total No. of Visits 17