

## STEEL STEAMER OR MOTORSHIP.

Received at London Office

SEP 1942

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 22nd September 1942 Port of Sunderland No. 33490Survey held at Sunderland Date First Survey 18th Sept 1942On the (State of Machinery fitted Aft and Fore) S S GaredogState Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Fuel Scantling State Type of Erections RQ ab, bridge, etc.TONNAGE under Tonnage Deck ... 1174.28 CLASS +100A1 State if with freeboard as condition of Class Yes Built at SunderlandDo. 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 242.75 Launched 14th July, 1942 Yard No. 364Total } Breadth (greatest moulded) } B 39.33 Builders S P Austin & Son Ltd.Gross Tonnage 1556.69 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) } D 18.50 Owners Gas Light & Coke Co. Ltd.Register Tonnage 878.56 1st Longitudinal Number (L x D) = 4491 Managers Stephenson Clarke & Sons Ltd.

## REGISTERED DIMENSIONS.

FEET

Length 247.00

Breadth 39.60

Depth 16.60

Framing Depth "d," at middle of length. See Sec. 3 (1d) } 9.72

Proportions—Depth to Length—Uppermost continuous deck to top of keel } 13.12

Do. Long Bridge to top of keel } 10.79

Draught Moulded 22.6 1/2

Residence London

Port of Registry London

If surveyed while building, afloat, or in dry dock 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.....	27	✓	Bracket Floors, Frame .....	-	
" " from 1/2 length amidships to Collision bulkhead.....	27 9/24	✓	" " Reversed Frame.....	-	
" " in peaks .....	23	✓	" " Vertical Struts .....	-	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	32" x 40"	✓
Frame Amidships, Angle, [ or (	7 3 3/8	✓	" " top Angles <u>double</u>	3 3 38	✓
" " Extends up to.....	RQ on U.D.	✓	" " bottom Angles.....	3 1/2 3 1/2 38	✓
Reversed Frame Amidships, Angle .....	-		Side Girders, No. each side and thickness.....	9 3 1/2 3/8	BA ✓
" " Extends up to .....	-		Margin Plate depth (excl. of flange) and thickness .....	38	✓
Depth of Framing Girder.....	7	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem .....	See section	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or (	-		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area .....	do.	
" " Second 'tween Decks, Angle, [ or (	-		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	-	
" " Third " " " " " "	-		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area .....	-	
" " from 1/2 len. for'd. to 15% len. from Stem .....	7 3 33	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	8' 9" x 32	✓
" " in Peaks, Angle or (	6 3 1/2 5/16	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	3/4 x 4 7/8	✓	Breadth and thickness of Middle Line Strake.....	84" x 50	Increased to 50"
State if Frame Joggled.....	Yes	✓	Thickness of remainder in Holds .....	50	✓
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.		
SINGLE BOTTOM. IN BS. ONLY.			Uppermost Continuous Deck, amidships	6 3 1/2 5/16	✓
Floors, Depth and thickness at mid-line in Holds.....	22" x 50	✓	" " in way of Bridge, Angle, [ or (	-	
Height of Brackets at side above base line at toe of frame.....	44	✓	" " Spacing .....	27	✓
Middle Line Keelson, on Floors, (Angles [ or (	6 3 1/2 1/2	✓	RQ Second Deck, amidships, Angle, [ or (	6 3 1/2 5/16	✓
" " Through Plate or Inter-costal Plate .....	50	✓	" " Spacing .....	27	✓
" " Foundation Plate on Floors .....	50	✓	Third Deck, amidships, Angle, [ or (	-	
" " Flat Plate Keel Angles	3 1/2 3 1/2 1/2	double ✓	" " Spacing.....	-	
Side Keelsons, No. each side.....	1	✓	Fourth Deck, amidships, Angle, [ or (	-	
" " thickness of Inter-costal Plate.....	46	✓	" " Spacing.....	-	
" " Angle B.A.....	9 3 1/2 7/16	✓	Poop Deck, Angle, [ or (	-	
DOUBLE BOTTOM.			" " Spacing.....	-	
Solid Floors, thickness and spacing .....	32" x 27	✓	Bridge Deck, Angle, [ or (	5 3 1/4	✓
" " Are Frame and Reversed Frame joggled? .....	Frame only	✓	" " Spacing.....	27	✓
Bracket Floors, breadth and thickness at middle line .....	-		Forecastle Deck, Angle, [ or (	6 3 1/2 5/16	✓
" " breadth and thickness at margin plate.....	-		" " Spacing.....	23	✓



## 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 .....		-		Stringer Plate, breadth and thickness in way of Bridge .....		-	
" in 'tween Decks, Size and Spacing .....		-		Thickness of Plating abreast Deck openings in way of Wells .....		-	
" " " " " " .....		-		Thickness of Plating abreast Deck openings in way of Bridge .....		-	
" in Holds " " " " " " .....		34 deck brackets spaced 9'0" apart in line of pillars		Thickness of Plating within line of openings...		30	
" " " " " " " " " " " " .....		-		If Sheathed, material and thickness .....		-	
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing .....		-		Stringer Plate, breadth and thickness .....			
Plating, thickness of .....		-		If Plated, state thickness .....			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness .....			
Stringer Plate, breadth and thickness in Wells		73	x 69	If Plated, state thickness .....			
" " " " " " in way of Bridge		-		Poop Deck.			
" Angle in Wells		6	6 1/2	Stringer Plate, breadth and thickness .....			
Thickness of Plating abreast Deck openings in way of Wells .....		-		Plating, Sheathing, material and thickness .....			
Thickness of Plating abreast Deck openings in way of Bridge .....		-		Bridge Deck.			
Thickness of Plating within line of openings...		30		Stringer Plate, breadth and thickness .....		34	x 32
If Sheathed, material and thickness .....		-		Plating, Sheathing, material and thickness .....		26	filled with "CELOTEX" on the under side See letter 13.10.42
RQ. Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells		64	x 55	Stringer Plate, breadth and thickness .....		-	
				Plating, Sheathing, material and thickness...		30	50 under windlass

## SHELL PLATING.

SCANTLINGS.				RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.	NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.					SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
Flat Plate Keel.....	58 1/2	53	49	51		2	3/4	3	3	3/4	3	Double Straps.
„ Dblg. (if any)	-	-	-	-		-	-	-	-	-	-	-
Bottom Plating, No. of Strakes A & B.....	81	47	57 53	39		2	3/4	3	3-2	3/4	2 5/8	Lapped
Bilge Plating, No. of Strakes C.....	68	47	50 44	45		2	3/4	3	3-2	3/4	2 5/8	do
Side Plating, No. of Strakes D & E.....	66	47	43	39		2	3/4	3	3-2	3/4	2 5/8	do.
also F & R Dbl Upper Deck, Sheer-strake in Wells G.....	49	58	38	39		2	7/8	3 1/2	3-2	7/8	3 3/8	do.
R D Upper Deck, Sheer-strake in Bridge H.....	53	51	-	39		2	3/4	3	3-2	3/4	2 5/8	do.
Strake below Sheer-strake in Wells F.....	50	50	38	39		2	3/4	3	3-2	3/4	2 5/8	do.
R D Strake below Sheer-strake in Bridge A.....	49	48	-	39		2	3/4	3	3-2	3/4	2 5/8	do.
Poop Side Plating.....	-	-	-	-		-	-	-	-	-	-	-
Bridge Side Plating.....	-	36	-	-	App 1.32	1	3/4	3	No butts			
Forecastle Side Plating	-	-	32	-		1	3/4	3	1	3/4	2 5/8	Lapped.

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 4

„ Deck next below —

As per Rule 4

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....	-	-	-	-
STEM .....	rolled steel	8 x 1 7/8	Consell.	✓
STERN FRAME {	Propeller Post .....	F	8 x 5 3/8	Forster ✓
	Rudder ,, .....	F	13 x 5 1/4	do. ✓
Speed of Vessel .....	Under	12 knots		✓
RUDDER—Type .....	Ordinary	Forster		
„ A x D.....		23 6.5	✓	
„ Diam. of head .....		7 7/8	✓	
„ Mainpiece at top pintle .....		7 x 6 1/8	✓	
„ „ heel ...		6 1/8 x 3 5/8	✓	
„ how constructed .....		Riveted	✓	
„ double or single plate coupling, vertical or .....		32 double	✓	
„ horizontal .....		Vertical	✓	

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D, Upper 'tween decks	-				
"	" Second "	-				
"	" Third "	-				
"	" Holds ... (N <sup>o</sup> 70)	40-30	7x3x33 BA	24	-	-
COLLISION	" (in Hold) .....	40-30	7x3x33 BA	24	Semi box beam	
AFTER PEAK	" " .....	65-30	3½x3½x3/8	24	Recess top	

# STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth*  
*Appleby, Cargo Fleet, Consett, Dorman Long, Skinningrove, South Durham*

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.)

The following "as built" plans are attached -

- 1) Midship section
- 2) Profile & decks.

The approved plans are returned

Duplicate of S.S. "CAPITOL" Same Builders' yard No 355

PARTICULARS OF ELECTRIC WELDING (if employed) *Minor items only*

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

*"Cargo battens not fitted" Cruiser stern Lloyd's A & C. P.*

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

1st Bower *19.2.5 K.L. 4548. 26.1.42.*  
2nd " *19.1.21 R.H.T.G. 4091. 15.7.41.*  
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *✓* ft., R.Q.D. *148.59* ft., Bridge *18.00* ft., Forecastle *24.66* ft.

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

Official No. *168316* Signal Letters \_\_\_\_\_ Extreme Breadth over Belting *✓* (Circ. 1611) Over-all Length *257.00* (Circ. 1703)

No. and Material of Decks *1 dls (stl)*

Parts of Bottom of Vessel coated with cement ~~or approved composition~~ *B.R. tanks only.*

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 Capacity. Tons.
Double bottom, aft,			Fore peak tank,	<i>24.00</i>	<i>154</i>
Double bottom, under Engines and Boilers,			After peak tank,	<i>6.00</i>	<i>18</i>
Double bottom, if under Engines only, <i>✓</i>	<i>23.50</i>	<i>27</i>	Deep tank, <del>aft</del> , <i>midships</i>	<i>13.50</i>	<i>58</i>
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<i>166.00</i>	<i>586</i>	Other tanks, if fitted,		
Total length (if continuous) and Capacity <i>ex plan</i>	<i>168.25</i>	<i>613</i>	(If necessary furnish further information by sketch.)		

Order for Special Survey No. *6004*

Date *17.10.41*

Dates of Surveys held while building

*1942. Feb. 26. Mar. 3. 17. 26. Apr. 2. 7. 9. 14. 21. 28. May. 5. 13. 19. June. 1. 2. 4. 10. 12. 16. 24. 30. July. 6. 7. 10. 11. 13. 14. 24. Aug. 6. 7. 12. 11. 14. 18. 20. 21. 25. 28. 31. Sep. 1. 9. 10. 11. 14. 18.*

Total No. of Visits *45*