

State if Report is sent on the Machinery of the Vessel

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

**TONNAGE under
Tonnage Peck...**

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

Total

Gross Tonnage 1570.52

Register Tonnage 913.05

REGISTERED DIMENSIONS.

Length 239.00

Breadth 38.75

Depth 16.25

MASS + 100 A.I.

State if with freeboard
as condition of Class

Built at Sunderland

Launched 26 July 1938 Yard No. 350

Builders S.P. Austin & Son. Ltd

Owners London Power Co. Ltd.

Managers *Stephenson, Clarke & Assoc. Co. Ltd*
(Where necessary to be entered in Reg. Book.)

Residence

Port of Registry *London*

If surveyed while building, afloat, ~~on~~^x in dry dock

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 $\frac{3}{8}$ length amidships to Collision bulkhead.....}	27 ✓		" " Reversed Frame	✓	
" " in peaks.....	23 ✓		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	33x40 ✓	
Frame Amidships, Angle, ∇ or \sqsubset NBS....	6x3x41 ✓		" " top Angles	3x3x36 ✓	
" " Extends up to	R.Q.D. ✓		" " bottom Angles	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x40 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	ONE 5 $\frac{1}{2}$ x3x36 ✓	
" " Extends up to...	✓		Margin Plate depth (excl. of flange) and thickness	30 plate fwd 50x38 ✓	
Depth of Framing Girder.....	6 ✓		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	3x3x32 ✓	
Frames in Uppermost Continuous Tween Decks, Angle, \sqsubset or \sqcap.....	✓		" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	3x3x32 ✓	
" " Second Tween Decks, Angle, \sqsubset or \sqcap	✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area.....	side tank 8'-3" high ✓	
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem.....	5 $\frac{1}{2}$ x3x46 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness)	frame foot cann. as app'd ✓	
" " in Peaks, Angle or \sqsubset	5 $\frac{1}{2}$ x3x35 ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 4 7/8 ✓		Breadth and thickness of Middle Line Strake ...	66x50 ✓	
State if Frame Joggled	YES ✓		Thickness of remainder in Holds50 ✓	
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 Boiler Room)			Uppermost Continuous Deck, amidships in Wells, Angle, ∇ or ∇.....	4x3x34 ✓	
Floors, Depth and thickness at mid-line in Holds	23 $\frac{1}{2}$ x50 ✓		" " in way of Bridge, Angle, ∇ or \sqsubset	8x3x54 ✓	
Height of Brackets at side above base line at toe of frame	LEVEL ✓		Spacing	every ✓	
Middle Line Keelson, on Floors, Angles, ∇ or ∇	5x3 $\frac{1}{2}$ x46 ✓		R.Q. Second Deck, amidships, Angle, ∇ or \sqsubset	7x3x49 ✓	
" " " Through Plate on Intercoastal Plate...	27 $\frac{1}{2}$ x51 ✓		Spacing.....	1/2 beams 4x3x34 ✓	
" " " Foundation Plate on Floors	12x51 ✓		Third Deck, amidships, Angle, \sqsubset or \sqcap	✓	
" " " Flat Plate Keel Angles	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x40 ✓		Spacing.....	✓	
Side Keelsons, No. each side	ONE ✓		Fourth Deck, amidships, Angle, \sqsubset or \sqcap	✓	
" " thickness of Intercoastal Plate...	.46 ✓		Spacing.....	✓	
" " Angles	6x3 $\frac{1}{2}$ x48 ✓		Poop Deck, Angle, \sqsubset or \sqcap	✓	
DOUBLE BOTTOM.			Spacing.....	✓	
Solid Floors, thickness and spacing	3/4 every ✓		Bridge Deck, Angle, ∇ or ∇	5x3x30 ✓	
" " Are Frame and Reversed Frame joggled?.....	FRAME YES. KEY. " NO. ✓		Spacing.....	every ✓	
Bracket Floors, breadth and thickness at middle line.....	✓		Forecastle Deck, Angle, ∇ or ∇	6x3x46 ✓	
" " breadth and thickness at margin plate.....	✓		Spacing	every ✓	

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		50	✓		
" " " " " "			✓			Thickness of Plating abreast Deck openings in way of Bridge		✓			
" in Holds " "		<i>deep brackets 34</i>		✓		Thickness of Plating within line of openings...		30	40	✓	
" " " " " "			✓			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		74 1/2 x 63		✓		If Plated, state thickness		✓			
" " " " in way of Bridge			✓			Poop Deck.					
" Angle in Wells		5 x 5 x 60		✓		Stringer Plate, breadth and thickness		✓			
Thickness of Plating abreast Deck openings in way of Wells		63		✓		Plating, Sheathing, material and thickness ..		✓			
Thickness of Plating abreast Deck openings in way of Bridge			✓			Bridge Deck.					
Thickness of Plating within line of openings...		34		✓		Stringer Plate, breadth and thickness.....		33 x 30	✓		
If Sheathed, material and thickness			✓			Plating, Sheathing, material and thickness ..		26 1/2	00	✓	
RA Deck.						Forecastle Deck.					
Stringer Plate, breadth and thickness in Wells...		65 x 50		✓		Stringer Plate, breadth and thickness.....		30	✓		
						Plating, Sheathing, material and thickness ..		30	✓		

SCANTINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		No	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.									
FLAT PLATE KEEL	42	.52 ✓	.48 ✓	.48 ✓		D	3/4	3	✓ 3	7/8	3/8	L	
" DBLG. (if any)	✓	✓											
BOTTOM PLATING, No. of Strakes <i>A.P.P.</i>46 ✓	.38 ✓	.42 ✓		D	3/4	3	✓ 3	3/4	2 5/8	L	
BILGE PLATING, No. of Strakes <i>D.</i>46 ✓	.42 ✓	.42 ✓		D	3/4	3	✓ 3	3/4	2 5/8	L	
SIDE PLATING, No. of Strakes <i>1 UP 2 RD.</i>46 ✓	.46 ✓	.38 ✓		D	3/4	3	✓ 2	3/4	2 5/8	L	
UPPER DECK, Sheer- strake in Wells.....	62	.60 ✓	.38 ✓	✓		D	7/8	3 3/8	✓ 3	7/8	3/8	L	
LOWER DECK, Sheer- strake in Wells	50 1/2	.50 ✓	✓	.38 ✓		D	3/4	3	✓ 3	3/4	2 5/8	L	
STRAKE BELOW Sheer- strake in Wells.....	62	.46 ✓	.46 ✓	✓		D	3/4	3	✓ 2	3/4	2 5/8	L	
STRAKE BELOW Sheer- strake in Wells <i>RD.</i>	62	.46 ✓	✓	.38 ✓		D	3/4	3	✓ 3	3/4	2 5/8	L	
POOF SIDE PLATING	✓	✓											
BRIDGE SIDE PLATING31 ✓	✓	✓		S	3/4	3	✓ 1	3/4	2 5/8	L	
FOREC'TLE SIDE PLATING		✓	.31 ✓	✓		S	3/4	3	✓ 1	3/4	2 5/8	L	

Total No. of W.T. BULKHEADS in Vessel—		4 BH in R.B.			
Extending to Upper Deck (Sec. 3 c)		5 (2 DEEP TANK BULK)			
Deck next below		3			
As per Rule					
PLATING	Plating Thickness	STIFFENERS			
		VERTICAL		HORIZONTAL	
		Scantlings	Spacing	Scantlings	Spacing
MIDSHIP BULKHEAD, Upper tween decks	✓				
" " Second "	✓				
" " Third "	✓				
" " Holds	N ^o 26-28	42-30	9" 3/4 x 66'	30"	cl. locker flat & stringer
COLLISION	(in Hold)	46-31	6 x 3 x 47 L	24"	
AFTER PEAK		44-30	6 x 3 x 32 L	24"	semi-bow beam
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Shinningrove, Soman Long, Connatt, Bargo Fleet, South Durham ✓					
Has the Steel been tested as required by the Rules? Yes. ✓					

EQUIPMENT No. 14413 ✓										LETTER P ✓		ANCHORS.		
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLES.		Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Owls.	qrs.	lbs.	Owls.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.			
34101	1st Bower ...	30	2	14	✓			29	1	3	14	30 1/2	✓	L.P.H.S. 23-6-88 J.H.B. do. 24-6-88 do. do.
34102	2nd " ...	30	2	14	✓			29	1	3	14	30 1/2	✓	
34103	3rd " ...	26	1	14	✓			25	18	0	14	26	✓	
	Collective weight.	87	2	14								87		
38300	Stream	9	3	14	✓			11	17	3	7		✓	do 29-4-88 J.H.B.

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and size per Table 23.		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 23.	
	Length.	Diam.	Stations.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Diam.	Fathoms.	Cir.	Tons.	Fathoms.
108494	240	1 5/8	47	10	321	3 21	319 1/2	240	1 1/8	Steel Link	✓	L.P.H.M. 6438 JAR	POWLINE...	90	3 1/4	2120	90	3 1/4
													HAWSEERS & WARPS	6090	2 1/2	1320	2090	2 1/4
													"				2090	1 3/4
Iron Steam Chain or Steel Wire	75	1	18	27	41	1 25	38 1/4	75	1	Steel Link	✓	L.P.H.M. 26138 L.C.P.	"					

Steering Chains (Size and Test) *Telemotor* ✓ Windlass *Emerson Walker* ✓ Boats *2 - 19'-0" lifeboats*

Cargo Hatchways.-(Upper Deck) *steel plates and angles Keith Patent* Thickness of Hatches *3"*

Builder's Signature For S. P. AUSTIN & SON, LIMITED.

The vessel has been built in accordance with the approved plans, the Secretary's letter, & the Society Rules. The materials and workmanship are good. ✓
The freeboard marks have been scribed and cut in on the vessel's sides. ✓
The double bottom tanks, fore & after peaks, deep tank, have been tested in accordance with the Rules. ✓
The decks, bulkheads, hand pumps, ash sloot, have been tested and found good. ✓
The windlass & steering gear have been tried under working conditions. ✓
The auxiliary steering gear has been rigged and worked. ✓
The following forging certificates are enclosed :- Stem Frame, Rudder Frame, Tiller, Hand Gear Quadrant, Pinion

The amount of Entry Fee £ 5 : 0 : 23 SEP. 1938
Fuel board
 Special Survey Fee.... £ 153 : 11 :
 Travelling Expenses, if any £ : :
 State whether the Vessel has been built under Special Survey ☒ YES
 Certificate to be sent to **SUNDERLAND.** Date of issue 12/10/38
 Fees applied for, (Special notations, where part of class, to be stated.)
 Received by me, I am of opinion the Vessel should be Classed **+ 100 A1.**
 Signature *W. E. Lulla*
 Surveyor to Lloyd's Register of Shipping:

Committee's Minute
Character assigned +100A1
bargo battens not fitted
Lloyd's A & C
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 as built are enclosed :- Hullship Section; Profile & Secks.

PARTICULARS OF ELECTRIC WELDING (if employed) ✓

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

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

	1st Bower	2nd	3rd
19	2	14	✓
19	2	14	✓
17	0	21	✓

6.B. 30072 13.5.38
F.H. 20056 20.5.38
J.F.R. 2670 10.9.37

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 147.42, Bridge 17.25 ft., Forecastle 21.33 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. 166572 Signal Letters Extreme Breadth over Belting (Circ. 1611) Over-all Length (Circ. 1703) 246'9" ✓
No. and Material of Decks 1 Seck (Steel)

Parts of Bottom of Vessel coated with cement or approved composition under keels only. pt. Cem.

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.)

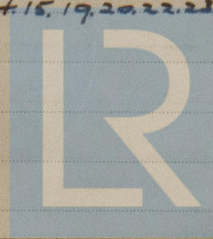
Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	21.0	150 ✓
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	5.75	10 ✓
Double bottom, if under Engines only, D.B. in E	22.5	31 ✓	Deep tank, =	45-9.0	100 ✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,		
Double bottom, forward,	164.25	569 ✓	Other tanks, if fitted,		
Total length (if continuous) and Capacity	186.75	600 ✓	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5873

Date 12.8.37

Dates of Surveys held while building

1938. May 13, 26. June 3, 9, 16, 17, 20, 23. July 11, 12, 14, 15, 19, 20, 22, 23. Aug 3, 4, 8, 9, 11, 12, 15.
23.29. Sep. 5, 6, 7, 8, 9, 10, 13



Lloyd's Register
Total No. of Visits 32