

Rpt. C.11.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Index. No.
(For London Office only.)N^o 30943
 having Round Quarter Deck, Bridge & Forecastle
Port of Survey Sunderland

(Type of Superstructures.)

Date of Survey 9th June 1932

Ship's Name

 Nationality and Port of Registry
British
London

Official Number

Gross Tonnage

Date of Build

"LADY OLGA"

14991312661927-10Name of Surveyor M. CaldwellMoulded Dimensions: Length 224.7 Breadth 35.75 Depth 17.329Moulded displacement at moulded draught = 85 per cent. of moulded depth 2570 tons ¹⁴⁷Coefficient of fineness for use with Tables .762Particulars of Classification + 100 A.1.

Depth for Freeboard (D)

Moulded depth 17.329Stringer plate046

Sheathing on exposed deck

$$T \left(\frac{L-S}{L} \right) =$$

Depth for Freeboard (D) = 17.34

Depth correction

(a) Where D is greater than Table depth

(D - Table depth) R =

$$(17.34 - 14.98) 1.729 = +4.08$$

(b) Where D is less than Table depth (if allowed)

(Table depth - D) R =

If restricted by superstructures

Round of Beam correction

Moulded Breadth (B) 35.75

$$\text{Standard Round of Beam} = \frac{B \times 12}{50} = 8.58$$

$$\text{Ship's Round of Beam} = 8.75$$

Difference .17

Restricted to

$$\text{Correction} = \frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.17}{4} (1 - .75) = -.01$$

DEDUCTION FOR SUPERSTRUCTURES.

 Poop enclosed ...
 " overhang ...
 R.Q.D. enclosed ...
 " overhang ...
 Bridge enclosed ...
 " overhang aft ...
 " overhang forward ...
 F'cile enclosed sunken ...
 " overhang ...
 Trunk aft ...
 " forward ...
 Tonnage opening aft ...
 " " forward ...
 Total ...

Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
126.75	126.75	3.42	1.43	113.18
15.75	15.75	7.0		15.75
25.93	26.03	3.0	1/2	13.02
168.53	168.53			141.95

Standard Height of Superstructure 6.0'" " R.Q.D. 3.83'Deduction for complete superstructure 28.44"Percentage covered $\frac{S}{L} = 45.00\%$ " $\frac{S_1}{L} = 75.00\%$ " $\frac{E}{L} = 63.18\%$ Percentage from Table, Line A. 51.41%
(corrected for absence of forecastle (if required))Percentage from Table, Line B.
(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

Deduction = 28.44 x .5141 = 14.64

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	32.47	1	32.47	21.	21.00	1	21.00
1/4 L from A.P. ...	14.45	4	57.80	9.08	9.08	4	36.32
2/4 L " ...	3.57	2	7.14	2.26	2.26	2	4.52
Amidships ...	-	4	-	0	-	4	-
3/4 L from F.P. ...	4.14	2	14.28	4.875	4.875	2	9.75
1/4 L " ...	28.90	4	115.66	19.55	19.55	4	78.20
F.P. ...	64.94	1	64.94	45	45.00	1	45.00
Total ...			292.23				194.79

 Mean actual sheer aft =
 Mean standard sheer aft =

 Mean actual sheer forward =
 Mean standard sheer forward =
Length of enclosed superstructure forward of amidships = .1342" " aft of " = .50

$$\text{Correction} = \frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{94.44}{18} (.75 - .375) = +2.03'$$

If limited on account of midship superstructure.

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = 20.76 Ft.Summer freeboard = 5.13Moulded draught (d) = 15.63

Deduction for Tropical freeboard and addition for

Winter freeboard = $\frac{d}{4}$ inches = 3.91 - 4"

Addition for Winter North Atlantic Freeboard (if required) =

Deduction for Fresh Water.

Displacement in salt water at summer load water line

 $\Delta =$

Tons per inch immersion at summer load water line

T =

$$\text{Deduction} = \frac{\Delta}{40 T} \text{ inches}$$

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient .762 + .68 1.442
1.36 1.36Depth Correction 4.08 ✓ -Deduction for superstructures - 14.64 ✓Sheer correction 2.03 ✓ -Round of Beam correction - .01 ✓

Correction for Thickness of Deck amidships -

Other corrections, scantlings, etc. 41.00 ✓ -Summer Freeboard = 61.61SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc

Fresh Water Line " "

Tropical Line " "

Winter Line below " " 4"

Winter North Atlantic Line " "

Tropical Fresh Water Freeboard

Fresh Water " "

Tropical " "

Winter " " 5'-5 1/2"

Winter North Atlantic " "

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS										
Description of Hatchway	No. 1 on Ford. Well	No. 2 on Ford. Well	No. 3 on R. Q. D	No. 4 on R. Q. D	Bunker on R. Q. D	Aft Peak on R. Q. D	Fore Peak on Forecastle Deck	2 Stow Hatels in Forecastle	2 Hole Caddy Hatch in R. Q. D in Well	
Dimensions of Hatchway	23'9" x 19'6"	23'9" x 23'6"	28'3" x 23'6"	26'0" x 23'6"	22'8" x 4'6"	19' x 23"	2'0" x 2'0"	2'1" x 23"	2'1" x 2'4"	
COAMINGS	Height above Deck	4'6"	4'6"	4'6"	4'6"	18"	18"	30"	30"	
	Thickness	.44	.44	.44	.44	.44	.44	.44	.44	
	Stiffeners	8"x3"x40BA	8"x3"x40BA	8"x3"x40BA	8"x3"x40BA	8"x3"x40BA				
	Brackets, Stays	4-2 1/2" dia	4-2 1/2" dia	4-2 1/2" dia	4-2 1/2" dia	None	None	None	None	
HATCH BEAMS	Number	3	3	4	3					
	Spacing	5'9"	5'9"	5'8"	6'6"					
	Scantling and Sketch	55 x 3 1/2 x .46 6" x bottom								
	Bearing Surface	23' x 38' 3 1/2"	23' x 38' 3 1/2"	23' x 38' 3 1/2"	25' x 38' 3 1/2"					
FORE AND AFTERS	Number									
	Spacing									
	Unsupported Lengths									
	Scantling* and Sketch									
	Bearing Surface									
HATCH COVERS	Material	pine	pine	pine	pine	pine	40 steel riveted	40 steel riveted	3" pine	3" pine
	Thickness	3"	3"	3"	3"	3"	18" x 15" manhole	18" x 15" manhole	2 1/2"	2 1/2"
	How fitted	F&A	F&A	F&A	F&A	F&A	cover with	cover with	cover	cover
	Bearing Surface	3"	3"	3"	3"	3"				
Spacing of Cleats	22"	22"	22"	22"	22"				12"	14"
Number of Tarpaulins	2	2	2	2	2				2	2

*Are wood fore and afters steel shod at all bearing surfaces? *None*

Are battens and wedges efficient and in good condition? *Yes*

Are tarpaulins in good condition and in accordance with rule requirements? *Yes*

Are lashings provided in accordance with rule requirements? *Yes in well. None in R.Q.D.*

Particulars of fiddley, funnel and ventilator coamings:—

Stokehold gratings covered by strong steel hinged covers. ✓
Tidley and funnel ventilators in efficient condition. ✓
Engine skylight of steel, strongly constructed. ✓

Particulars of Flush Bunker Scuttles:—

Have ✓ —

Particulars of Companionways :—

None —

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—

2-6" Gunk vents on Fore castle deck. led to stowes 8" high ✓
 2-15" Vents on Well deck. Coaming 36" X .40 led to hold. ✓
 6-6" " " Bridge deck. Coaming 36" X .30 led to accom. ^{du.} ✓
 2-6" Gunk " " " " 12" high led to ~~deck tank~~ ^{bracket accommodation} ✓
 2-15" Vents " R. P. D. Coaming 36" X .40 led to hold. ✓
 2-6" " " " " " " 36" X .30 led to bunker ✓

4" 6" Vents on R.P.P. Coaming 36"x30. to accom^{dis}

10077 All vents fitted with wood plugs and canvas cover. Constructed to Rule Requirements ✓

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks :—

1-4" Air pipe on F.P. hatch 6" high for Four peak tank ✓
 1-2" " " on Forecastle deck, 32" " " D. B. tank ✓
 2-2" " " " R. P. D. 5'-6" " " " " ✓
 1-3" " " " aft. Peak hatch 6" high " aft peak tank. ✓

Air pipes are ~~not~~ fitted with ~~wood~~
~~plugs~~ or canvas covers.
No shifting holes in top of keels.

Particulars of Gangway Cargo and Coaling Ports :—

Have ✓

Lady Allga

10 JUN 1932

Particulars of Scupper and Sanitary Discharge Pipes:—

One 4" Sanitary disch. from bridge space, led under foreboard deck. Fitted with cast steel storm valve and tail pipe ✓

Particulars of Side Scuttles:—

8" x 8" in intact crew space on R.Q.D. } Fitted with lugnet deadlights ✓
and 4" x 9" in intact bridge space.

Particulars of Guard Rails:—

Bulwark on bridge 3'6", on fore-castle 3'6" ✓
No guard rails.

Particulars of Gangways, Lifelines, etc.:—

Lifeline fitted on stand side of hatches on fore well deck. Stanchions attached to hatch stiffeners making use of hatch covers as gangway. ✓

Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well R.Q.D. ...	126.75 163.125	3'-0"	83'-0" x 5" 15'-0" x 5"	one one	41.2 sq ft. 75.0 sq ft.	25.38 sq ft. 37.5 sq ft.
Forward Well ...	51.78	4'-0"	34'-6" x 7'-2"	one	21.6 sq ft.	11.67 sq ft.
State position of each freeing port ... } After Well:— (F. and A. position and height above deck edge) } Forward Well:—						
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:—						
Additional area where sheer is less than standard.						

Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	—	—	—	—	—	—	—	—
Raised Quarter Deck Bulkhead ...	—	—	—	—	—	—	—	—
Bridge, After Bulkhead ...	30 Vent.	—	3 1/2" x 3" x 30	36"	None	None	—	—
Bridge, Forward Bulkhead ...	36 Vent.	—	7 1/2" x 3" x 36 BA	30"	Lugs Top & Bottom	None	—	—
Forecastle Bulkhead ...	30 Vent.	—	3 1/2" x 3" x 30	24"	None	None	—	—
Trunk, Aft ...	—	—	—	—	—	—	—	—
Trunk, Forward ...	—	—	—	—	—	—	—	—
Exposed Machinery Casings on Fore-board or Raised Quarter Decks ...	40 Vent.	—	4" x 3" x 30	30"	Bushings as exp	3'-4" x 1'-0"	18"	3'-6"
Exposed Machinery Casings on Superstructure Decks ...	—	—	—	—	—	—	—	—
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	—	—	—	—	—	—	—	—
Deckhouses on Flush Deck Ships ...	—	—	—	—	—	—	—	—

Particulars of Closing Appliances (state if capable of being manipulated from both sides).

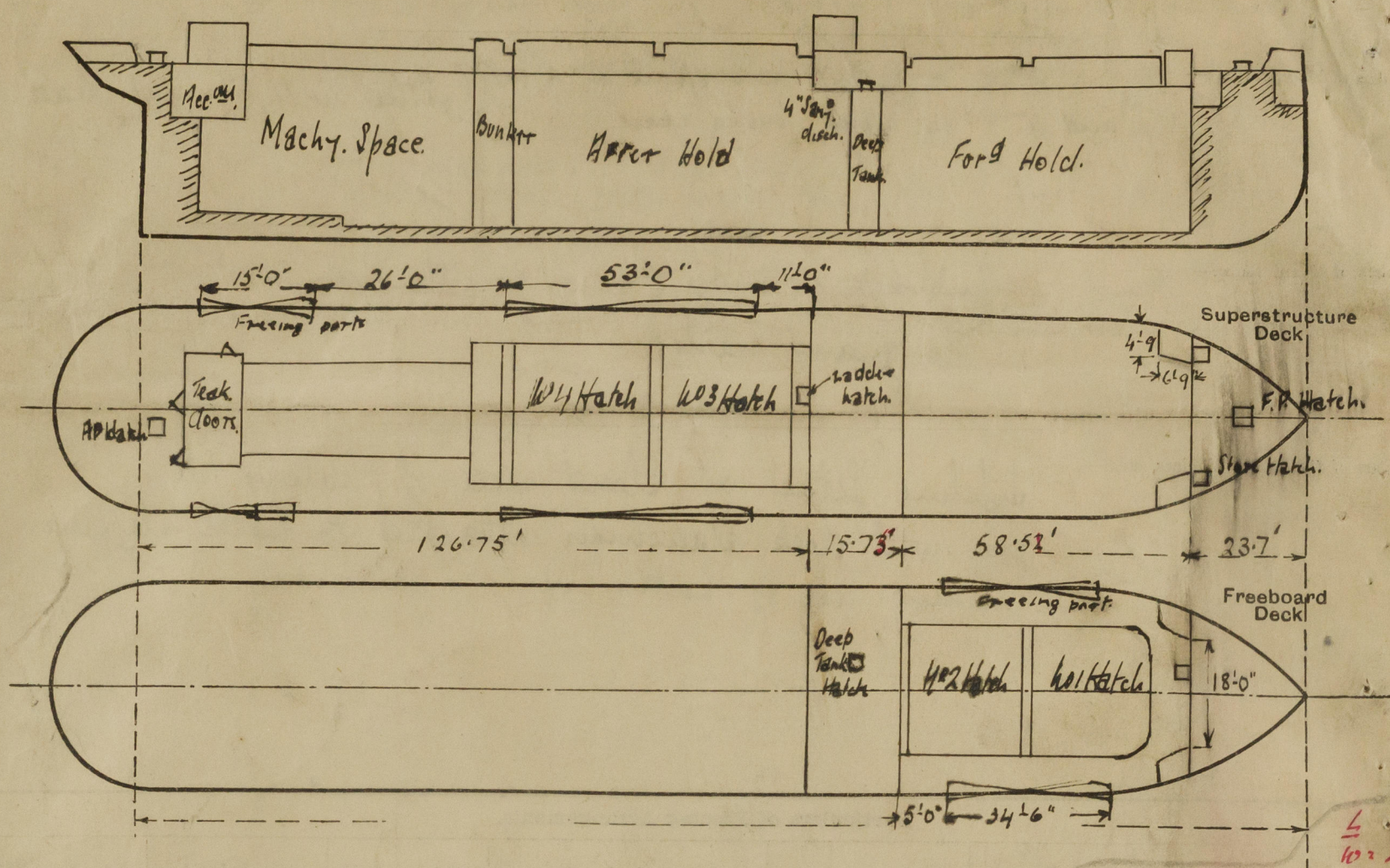
Poop Bulkhead ...	—
Raised Quarter Deck Bulkhead ...	—
Bridge, After Bulkhead ...	—
Bridge, Forward Bulkhead ...	—
Forecastle Bulkhead ...	—
Exposed Machinery Casings on Fore-board or Raised Quarter Decks ...	3'-1 1/2" Teak door. operated from both sides
Exposed Machinery Casings on Superstructure Decks ...	—
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	—
Deckhouses on Flush Deck Ships ...	—



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Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shewn on the following sketches:—



$$\begin{array}{r} \text{Ttl} = 23.76 \\ + 6.75 \times 4.78 \\ \hline 13.78 \quad 2.33 \\ \hline 26.03 \end{array}$$

State any special features in the construction of the ship:—

Vessel examined in Dry Dock.
 Examined decks, hatches, hatchways, ventilators, coamings, deck openings, steering gear, windows and general equipment.
 It is intended to complete the S.S. No. 1 at this time.

Builder's name and yard number

S. P. Austin & Son Ltd.

Names of sister ships

Owners

Gas Light & Coke Co. (Stephenson Clarke & Ass. Co. Ltd.)

Fee £

8 : 10 :

Received by me



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