

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship, Tug

Having POOP BRIDGE FORECASTLE

Port of Survey Newcastle

(Type of Superstructures.)

Date of Survey Mar 7th 1932

Ship's Name

Nationality and Port of Registry

Official Number

Gross Tonnage

Date of Build

S/S ANGLEEGORSE

British Newcastle

149425

4524

1927.3

Name of Surveyor

H 100A1

Moulded Dimensions: Length 385.8 Breadth 52.6 Depth 28.6

Moulded displacement at moulded draught = 86 per cent. of moulded depth 11074 tons

Coefficient of fineness for use with Tables 190. T.P. 41.46 tons load 41

Particulars of Classification

Depth for Freeboard (D)				Depth correction		Round of Beam correction	
Moulded depth	...	...	28.50	(a) Where D is greater than Table depth (D-Table depth) R =	✓	Moulded Breadth (B)	52.50.
Stringer plate	...	...	.04	$(28.54 - 25.42) \times 2.968 = + 8.34$	✓	Standard Round of Beam = $\frac{B \times 12}{50} =$	12.60
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	...	...	✓	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	✓	Ship's Round of Beam =	13.00
Depth for Freeboard (D) =	...	...	28.54	If restricted by superstructures	✓	Difference	.40
						Restricted to	
						Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) =$	$\frac{.40}{4} \times .198 = -.02$

DEDUCTION FOR SUPERSTRUCTURES.

Station	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	Standard Height of Superstructure	R.Q.D.
Poop enclosed	40.10	40.10	7.6		40.10	Y.358	✓
" overhang							
R.Q.D. enclosed							
" overhang							
Bridge enclosed	231.60	231.60	7.6		231.60	41.06	✓
" overhang aft							
" overhang forward			8.2				
Fore enclosed	34.45	34.45	7.6		34.45		
" overhang							
Trunk aft							
" forward							
Tonnage opening aft							
" forward							
Total	309.45	309.45			309.45		

Percentage covered $\frac{S}{L} = \frac{80.20}{80.20}$

Percentage from Table, Line A. (corrected for absence of forecastle (if required))

Percentage from Table, Line B. (corrected for absence of forecastle (if required)) 45.55

Interpolation for bridge less than 2L (if required)

Deduction = $41.06 \times .4555 = - 31.02$

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product	Mean actual sheer aft	Mean standard sheer aft
A.P.	48.58	1	✓	48.58	39.1	39.00	1	✓	39.00	Deficient 99.35%	
1/2 L from A.P.	21.62	4	✓	86.48	17	16.99	4	✓	64.96	Mean actual sheer forward	Mean standard sheer forward
2/2 L	5.34	2	✓	10.68	4.2	4.25	2	✓	8.50		
Amidships		4	✓				4	✓		Length of enclosed superstructure forward of amidships =	30.3 L
3/2 L from F.P.	10.69	2	✓	21.38	11.0	11.06	2	✓	22.12	" aft of "	129.7 L
1/2 L	43.24	4	✓	172.96	44.2	44.24	4	✓	176.96	sheer aft.	
F.P.	94.16	1	✓	94.16	102	102.00	1	✓	102.00	actual	Standard
Total				437.24					416.54	39.00	39.00
										16.99	21.62
										4.25	5.34
										12.75	10.68
										102.00	94.16
										102.42	129.46

Correction = $\frac{\text{Difference between sums of products}}{18} \left(75 - \frac{S}{2L} \right) = \frac{20.40}{18} \times (.45 - .401) = + .40$

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 = 28.54

Summer freeboard = 4.19

Moulded draught (d) = 24.35

Deduction for Tropical freeboard and addition for

Winter freeboard = $\frac{d}{4}$ inches = 6.09 = 6"

Addition for Winter North Atlantic Freeboard (if required) =

Deduction for Fresh Water.

Displacement in salt water at summer load water line

Tons per inch immersion at summer load water line

T = 41.5

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

= 6.44

= 6 3/4"

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

Depth Correction

Deduction for superstructures

Sheer correction

Round of Beam correction

Correction for Thickness of Deck amidships

Other corrections, scantlings, etc.

64.14

490 + .68

1.36

8.34

31.02

.40

.02

-

8.77

31.04

- 22.27

Summer Freeboard = 50.30

SUMMER 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

Winter North Atlantic Line

Tropical Fresh Water Freeboard

Fresh Water

Tropical

Winter

Winter North Atlantic

27 MAY 1932

10m, 2, 31

1982-0152/2

MARKING FORM

RECEIVED

27 JUL 1932

JUN 1932

Langleygore

Particulars of Scuppers and Sanitary Discharge Pipes — *Langleygore* Primary pipes to Forecastle (pts) Saloon deck. *Langleygore* iron pipes, flap valves, malleable chests all discharging above *Langleygore* deck. ✓ One iron scupper pipe each side Bridge space & one each side in Poop space open ends discharging overboard. Iron cemented & plugged ✓

Particulars of Side Scuttles: *Langleygore* Four lights in Forecastle each side 9' fitted with efficient dealights ✓

Particulars of Guard Rails: — *Langleygore* Poop Bridge & Forecastle open rails 3-6 high two rods ✓

Particulars of Gangways, Lifelines, etc.: — *Langleygore* Two gangways aft (pts) from Poop to Bridge 7-6 high 3-0 wide 2½ planks, apparently supported. Stanchions & chains 3-6 high ✓ One gangway on Star side Bridge to Forecastle 7-6 high 2-6 wide 2½ planks, apparently supported. Stanchions & chains 3-6 high ✓

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 <i>Langleygore</i>	38.2	3.6	19.4 x 9	One	14.8 sq ft	10.5 sq ft
Forward Well <i>Langleygore</i>	38.2	3.6	18.9 x 9	One	14.0 sq ft	10.2 sq ft

State position of each freeing port ... { After Well: — 10-8 from aft bulk ✓
(F. and A. position and height above deck edge) { Forward Well: — 11-8 " fore " 12 above deck ✓
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such: — NONE ✓

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 ...	8x4x5	40 ✓	7x3x4	2-3 ✓	Reqs TRB 4R	14-9 x 3-0 ✓	18" ✓	7-6
Raised Quarter Deck Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Bridge, After Bulkhead ...	7x4x6	50 ✓	3x3x30	2-6 ✓	None ✓	14-9 x 3-0 ✓	18" ✓	7-6
Bridge, Forward Bulkhead ...	8x4x6	44 ✓	9x3x44	2-6 ✓	Reqs TRB 5Th	14-9 x 3-0 (pts) ✓	18" ✓	7-6
Forecastle Bulkhead ...	7x4x6	30 ✓	flang 3	3-6	None ✓	4-6 above deck bolts 3 apart ✓	18" ✓	7-6
Trunk, Aft ...	✓	✓	✓	✓	✓	4-10 x 2-0 ✓	✓	✓
Trunk, Forward ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Super-structure Decks ...	40 ✓	34 ✓	3x3x34	24 ✓	Braced head	4-6 x 2-0 ✓	18" ✓	7-6
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	40 ✓	34 ✓	3x3x34	24-30 ✓	do	4-6 x 2-0 ✓	18" ✓	7-6
Deckhouses on Flush Deck Ships ...	✓	✓	✓	✓	✓	✓	✓	✓

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

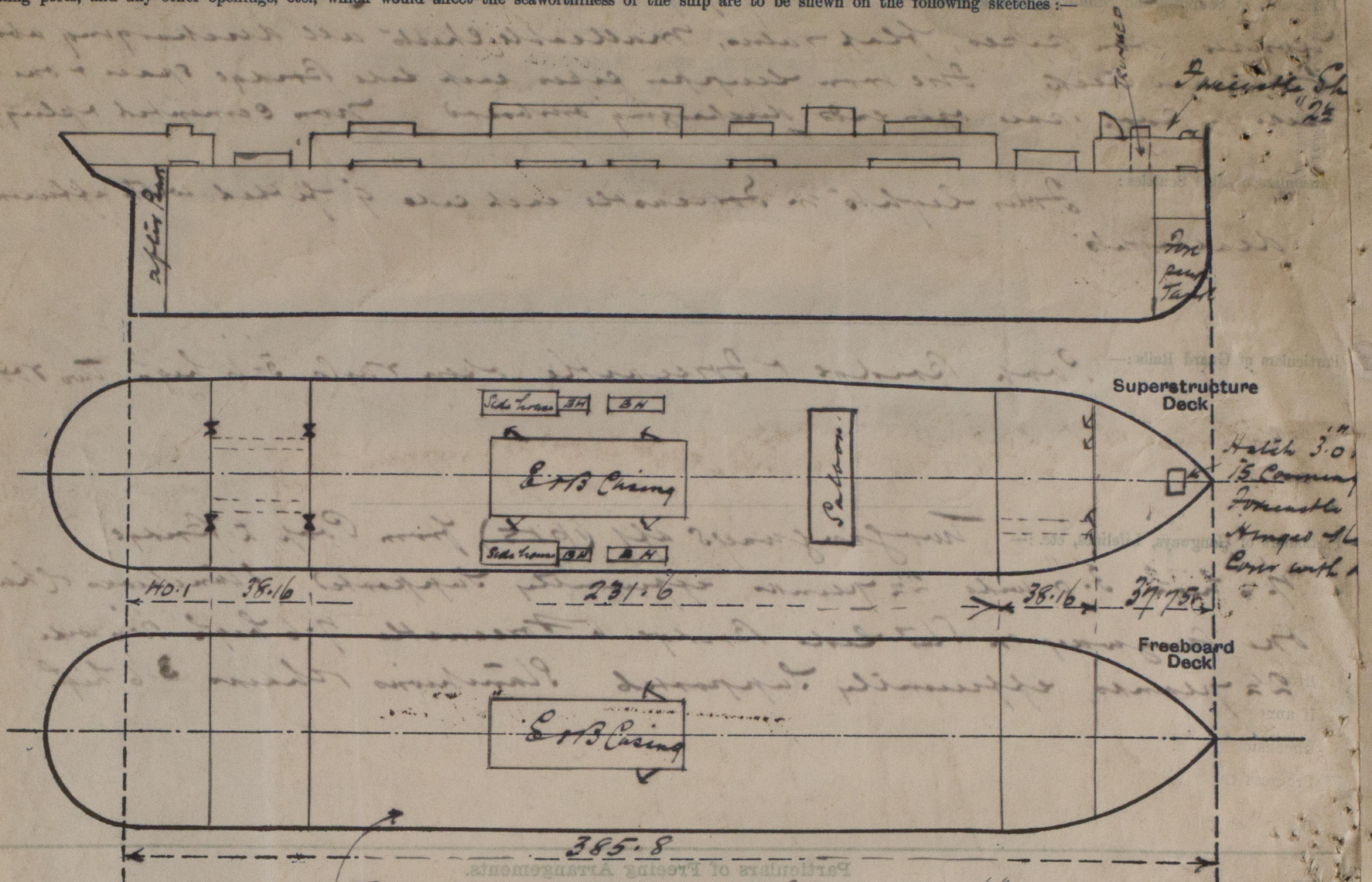
Poop Bulkhead ...	3" Storm boards Re & Channels 7es full height
Raised Quarter Deck Bulkhead ...	3" Storm boards Re & Channels 7es full height
Bridge, After Bulkhead ...	Two bolted plates 2-3 x 2-0 4-6 to lower edge securely bolted 3" apart
Bridge, Forward Bulkhead ...	Four steel doors 14-10 x 2-0 18 cells 7es ✓
Forecastle Bulkhead ...	Steel hinged door Eng room & stokehold (pts) 7es ✓
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...	Steel hinged door (pts) to stokehold 7es ✓
Exposed Machinery Casings on Super-structure Decks ...	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓
Deckhouses on Flush Deck Ships ...	✓

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Lloyd's Register Foundation

Of "Langley" Cond.

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 shown on the following sketches:—



TEN (5 PIS) Trimming hatchways 2'9" x 2'0" hinged steel
Coaming dogs on 9" 12" coamings in Bridge space on
Freeboard deck

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

Particulars of Superstructure, Trunks, Deckhouses									
Position of each opening	Height of Sills	Size of Opening	End Attachment of Sill	Spacing	Stiffeners	Plating	Coaming	Trunk	Remarks
Forward Bulkhead	18"	10'0" x 10'0"	10'0" x 10'0"	2'0"	2'0"	2'0"	2'0"	2'0"	Forward Bulkhead
Forward Bulkhead	18"	10'0" x 10'0"	10'0" x 10'0"	2'0"	2'0"	2'0"	2'0"	2'0"	Forward Bulkhead
Forward Bulkhead	18"	10'0" x 10'0"	10'0" x 10'0"	2'0"	2'0"	2'0"	2'0"	2'0"	Forward Bulkhead
Forward Bulkhead	18"	10'0" x 10'0"	10'0" x 10'0"	2'0"	2'0"	2'0"	2'0"	2'0"	Forward Bulkhead
Forward Bulkhead	18"	10'0" x 10'0"	10'0" x 10'0"	2'0"	2'0"	2'0"	2'0"	2'0"	Forward Bulkhead
Forward Bulkhead	18"	10'0" x 10'0"	10'0" x 10'0"	2'0"	2'0"	2'0"	2'0"	2'0"	Forward Bulkhead
Forward Bulkhead	18"	10'0" x 10'0"	10'0" x 10'0"	2'0"	2'0"	2'0"	2'0"	2'0"	Forward Bulkhead
Forward Bulkhead	18"	10'0" x 10'0"	10'0" x 10'0"	2'0"	2'0"	2'0"	2'0"	2'0"	Forward Bulkhead
Forward Bulkhead	18"	10'0" x 10'0"	10'0" x 10'0"	2'0"	2'0"	2'0"	2'0"	2'0"	Forward Bulkhead
Forward Bulkhead	18"	10'0" x 10'0"	10'0" x 10'0"	2'0"	2'0"	2'0"	2'0"	2'0"	Forward Bulkhead

Builder's name and yard number

Palmer's S. & I. Co. Ltd.

Names of sister ships

Owners

Medonsley S. S. Co. Ltd. Newcastle

Fee £

12 : 15 : 0

Received by me



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