

Lloyd's Register of Shipping.  
SURVEYS FOR FREEBOARD.Computation of Freeboard for ~~Steamer, Sailing Ship, Tanker~~  
having *Poop, Bridge + Forecastle*Port of Survey *Falmouth*

(Type of Superstructures.)

Date of Survey *7.3.32 + 8.3.32.*

Ship's Name

Nationality and Port of Registry

Official Number

Gross Tonnage

Date of Build

*M.V. British Prestige**British  
London**162553**7106**1931-3*

Name of Surveyor

*A. Scullard + Bell*Moulded Dimensions: Length *439.16* Breadth *59.25* Depth *33.0*Moulded displacement at moulded draught = 85 per cent. of moulded depth *16262* tonsCoefficient of fineness for use with Tables *.480*Particulars of Classification *100 A.1.**Carrying Petroleum in bulk.*

## Depth for Freeboard (D)

Moulded depth ... .. *33.00*Stringer plate ... .. *.04*

Sheathing on exposed deck

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

Depth for Freeboard (D) = *33.04*

## Depth correction

(a) Where D is greater than Table depth  
(D - Table depth) R =

$$(33.04 - 29.28) \times 3 = + 11.34$$

(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) *59.25*

$$\text{Standard Round of Beam} = \frac{B \times 12}{50} = 14.22$$

$$\text{Ship's Round of Beam} = 15$$

$$\text{Difference} = .48$$

Restricted to

$$\text{Correction} = \frac{\text{Diff}}{4} \times \left( 1 - \frac{S_1}{L} \right) = \frac{.48}{4} \times .542 = -.11$$

## DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ...	107.30	104.30	8'-0"	✓	104.30
" overhang ...	5.60	2.80			2.80
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed ...	36.00	36.00	8'-0"	✓	36.00
" overhang aft ...	3.25	2.44			2.44
" overhang forward ...	3.25	1.62			1.62
Poole enclosed <i>Equival.</i> ...	66.82	51.02	8'-0"	✓	51.02
" overhang ...					
Trunk aft ...					
" forward ...					
Tonnage opening aft ...					
" forward ...					
Total ...	206.42	201.18			201.18

Standard Height of Superstructure *7.50*

" " R.Q.D. ✓

Deduction for complete superstructure *42.00*

$$\text{Percentage covered } \frac{S}{L} = 44.00$$

$$\frac{S_1}{L} = 45.81$$

$$\frac{E}{L} = 45.81$$

Percentage from Table, Line A.

(corrected for absence of forecastle (if required)) ✓

Percentage from Table, Line B. *Tanker* *36.81*

(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

$$\text{Deduction} = 42.00 \times .3681 = - 15.46$$

## SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P. ...	53.92	1		53.92	52.875	60.00	1		60.00
1/4 L from A.P. ...	24.00	4		96.00	24.375	26.04	4		104.28
1/2 L " ...	5.93	2		11.86	7.125	6.52	2		13.04
Amidships ...		4					4		
3/4 L from F.P. ...	11.86	2		23.72	12.125	12.74	2		25.48
1/4 L " ...	44.99	4		191.96	48.25	50.95	4		203.80
F.P. ...	104.83	1		104.83	105.5	114.00	1		114.00
Total ...				485.29					523.60

Mean actual sheer aft = *Excess*  
Mean standard sheer aft =Mean actual sheer forward = *Excess*  
Mean standard sheer forward =Length of enclosed superstructure forward of amidships = *Tanker. Does*  
" " aft of " = *not apply.*Correction =  $\frac{\text{Difference between sums of products}}{18}$ 

$$\left( \frac{75-S}{2L} \right) = \frac{38.31}{18} \times (.45 - .235) = - 1.10$$

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 = *33.04*Summer freeboard = *6.02*Moulded draught (d) = *27.05*

Deduction for Tropical freeboard and addition for

Winter freeboard =  $\frac{d}{4}$  inches = *6.76 = 6 3/4*Addition for Winter North Atlantic Freeboard (if required) = *4.39 = 4 1/2*

## Deduction for Fresh Water.

Displacement in salt water at summer load water line

$$\Delta = 15400$$

Tons per inch immersion at summer load water line

$$T = 51.3$$

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

$$= \frac{15400}{40 \times 51.3} = 7.44$$

$$= 7 1/2$$

## TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

$$.480 + .68 = 1.16$$

$$1.36$$

$$11.34$$

$$15.46$$

$$1.10$$

$$.11$$

$$.11$$

$$.11$$

$$.11$$

$$.11$$

$$.11$$

$$.11$$

$$.11$$

$$.11$$

$$.11$$

$$.11$$

$$.11$$

$$.11$$

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, *Wood, Steel, Deck*:Tropical Fresh Water Line above Centre of Disc ... *14 1/2*Fresh Water Line " " ... *4 3/4*Tropical Line " " ... *6 3/4*Winter Line below " " ... *6 3/4*Winter North Atlantic Line " " ... *11 1/4*Tropical Fresh Water Freeboard ... *4' 9 3/4"*Fresh Water " " ... *5' 4 1/2"*Tropical " " ... *5' 5 1/2"*Winter " " ... *6' 5 1/2"*Winter North Atlantic " " ... *6' 11 1/2"*



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
Description of Hatchway		Fore Hold	18. Main	10. Summer	Copperdam	Fore Lk.	Trunked	Poop Lk.	
Dimensions of Hatchway		6'-9" x 10'-0"	6'-0" x 4'-0"	6'-0" x 4'-0"	4'-24" x 18"	2'-6" x 1'-10"	3'-0" x 3'-0"	3'-0" x 3'-0"	
COAMINGS	Height above Deck	30" ✓	12 3/4 x .50	15 3/4 ✓	12 1/4 x .50	22 1/2 ✓	30" ✓	30" ✓	
	Thickness { Sides	.44 ✓	B.A. ✓	.40 ✓	4" x 4" x 1/8	.375 ✓	.375 ✓	.375 ✓	
	Ends	.44 ✓		.40 ✓	Casting ✓	.375 ✓	.375 ✓	.375 ✓	
	Stiffeners	✓		✓					
HATCH BEAMS									
HATCH BEAMS	Number	none	none ✓	none ✓	✓	none	none	none	
	Spacing								
	Scantling and Sketch								
	Bearing Surface								
FORE AND AFTERS									
FORE AND AFTERS	Number	none	none ✓	none ✓	✓	none	none	none	
	Spacing								
	Unsupported Lengths								
	Scantling* and Sketch								
HATCH COVERS									
HATCH COVERS	Material	Steel	Steel	Steel	steel	Pine	Steel	Pine	
	Thickness	.30	.60	.60	.50	3"	.50	3"	
	How fitted	With 5" x 3" x 38 A. strips	Hinged bolts + wing nuts	bolts + wing nuts	Studs + nuts	F + A	Hinged bolts	Althwart	
	Bearing Surface	Spaced 24" apart				3"	wing nuts	3"	
Spacing of Cleats		Each cover as appd.				efficient		24"	
Number of Tarpaulins								2	
<p>*Are wood fore and afters steel shod at all bearing surfaces? ✓</p> <p>Are battens and wedges efficient and in good condition? Yes ✓</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? Yes ✓</p> <p>Are lashings provided in accordance with rule requirements? ✓</p>									

Particulars of fiddle, funnel and ventilator coamings:— Stokehold gratings covered strong steel hinged covers. ✓  
 Fiddle + funnel ventilators in efficient condition. ✓ Engine room skylight of steel strongly constructed. ✓

Particulars of Flush Bunker Scuttles:—

none ✓

Particulars of Companionways:— Hinged W.I. door P.S. of Fore to Pump Room. 4'-3" x 2'-3". 21" sill manipulated from both sides. ✓  
 Strong wood door in passage P.S. of Fore companionway to space below 1st deck 4'-10" x 2'-0". 19" sill " " " " ✓  
 Pump Rooms. Forward well and after well Hinged W.I. doors 4'-3" x 2'-3". 18" sill. " " " " ✓  
 Poop. 2 strong hinged steel doors to stokehold 5'-0" x 2'-2". 18" sill. manipulated from both sides ✓  
 2 " " " " to Engine Room 4'-11" x 2'-2". 18" sill " " " " ✓  
 2 " " " " in halberd to Galley 5'-0" x 2'-0". 18" sill " " " " ✓  
 Strong wood doors 1 3/4" thick to accommodation 4'-6" x 2'-1". 18" sill " " " " ✓

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

1 Vent on fore-castle deck 9" dia. Coaming 36" x 31" led to fore peak.	1 Vent on Poop deck 12" dia coaming 30" x 3 1/8" led to Galley coal.
11 Vents " " " 8" " " 36" x 31" led to intact	4 Vents " " " 16" " " 30" x 3 1/8" led to Poop space + trunk
4 " " " 9" " " 36" x 31" led to Fore	2 " " " 12" " " 30" x 3 1/8" " " Poop. ✓ to S.R.
8 " " " 7" " " 36" x 31" led to Fore	9 " " " 8" " " 30" x 30 " " Accommodation
1 " " " 10" " " 36" x 32" led to fore hold etc.	4 " " " 6" " " 30" x 30 " " "
4 " " " 18" " " 36" x 40" led to	1 Vent " " " 10" " " 30" x 3 1/8" Steering flat.
2 " " Forward well " 20" " " 36" x 40" led to	
2 " " after well " 20" " " Samson posts Pump Rooms.	

All ventilators constructed in accordance with Rules + Coamings closed with wood plugs + canvas covers.

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

1 C.I. Air pipe on fore-castle deck 18" high x 6" dia from fore peak } Canvas covers	2 C.I. Air pipes on Poop deck 42" x 4" from Cross bunker
1 C.I. Air filling " " 18" " x 6" " " } no covers	2 C.I. " " " " 42" x 4" " " 1st tank
2 C.I. Air pipes " " 30" " x 4" " " Fore deep T. gauge cover	2 C.I. " " " " 24" x 2 1/2 " " Lub oil tank
2 C.I. " " " Forward well 31" " x 4" " " Forward Copperdam } no covers	2 C.I. " " " " 24" x 3 " " 1st copperdam
2 C.I. " " " after well 29" " x 4" " " after " } Canvas covers	2 C.I. " " " " 24" x 3 " " Boiler feed tank
Sniffing holes bored in the tops of the bands of air pipes in wells.	
2 C.I. " " " " 24" x 4" " " after 1st tank	
2 C.I. " " " " 36" x 6" " " after 1st tank	

Particulars of Gangway Cargo and Coaling Ports:—

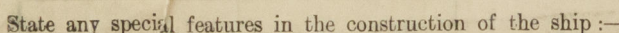
None.







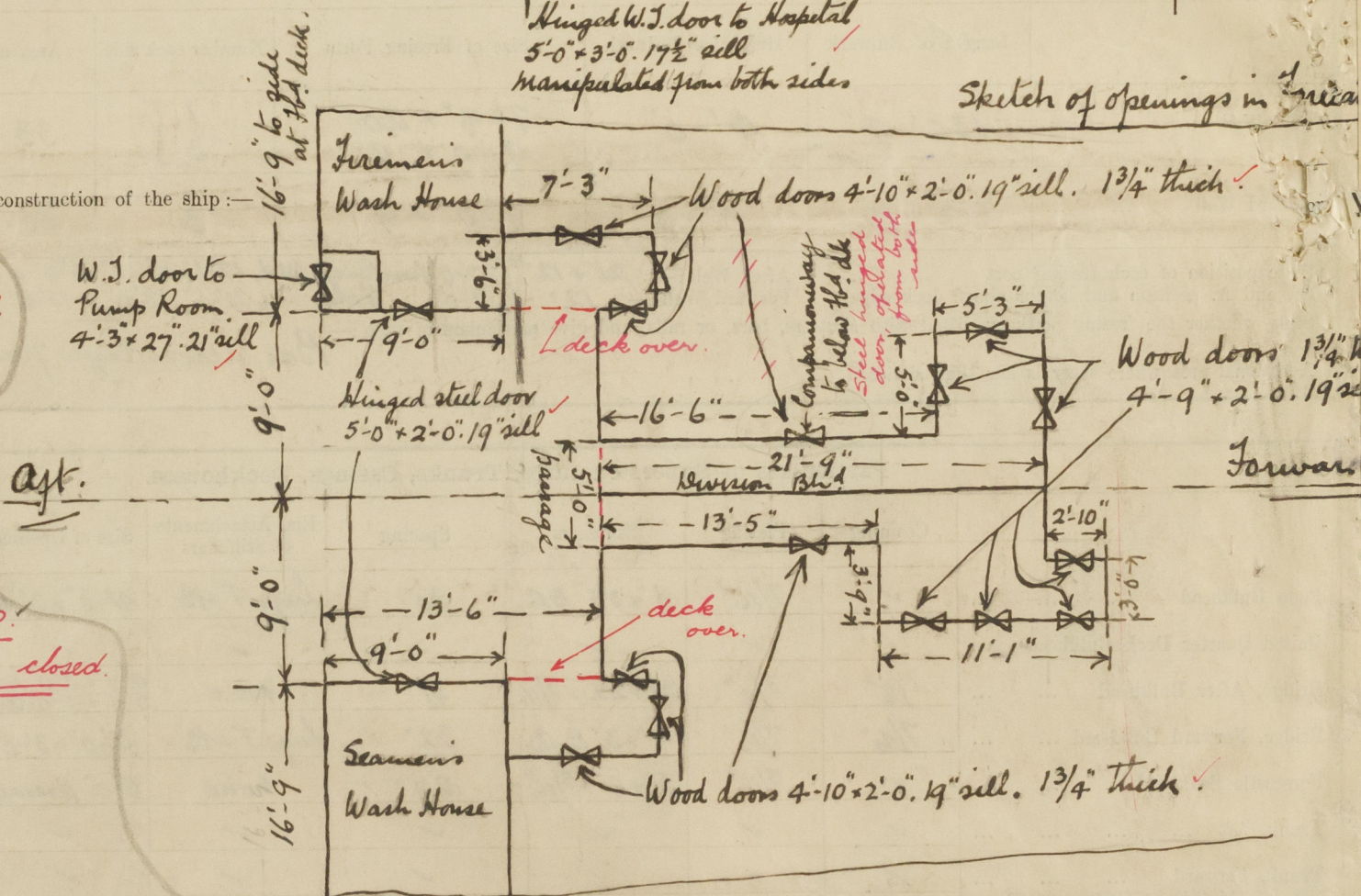
Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shewn on the following sketches:—



*Deduct*

$$\frac{468.46}{51.50} = 9.10$$

51.02. closed



Builder's name and yard number.

Names of sister ships

Owners.

Fee £

Received by me

This report refers to M.V. British Prestige

Messrs British Tanker Co Ltd

As.