

Index. No. 1744
(For London Office only.)

Index. No. 17449
(For London Office only.)

Port of Survey Shanghai

Date of Survey 19th & 31st Jan 1933

Name of Surveyor *S. Tucker*

+ 100 A1

Particulars of Classification *p1 - Aumf*
deaf with freetond.
ss. NK 2nd No. 3-8.29

783

DEDUCTION FOR SUPERSTRUCTURES.

Standard Height of Superstructure 6.31

" " R.Q.D. 4.41 ✓

Deduction for complete superstructure 34.07 ✓

Percentage covered $\frac{S}{L} = 100\%$

" " $\frac{S_1}{L} = 100\%$

" " $\frac{E}{L} = 97.04$ ✓

Percentage from Table, Line A. 96.36 ✓
(corrected for absence of forecastle (if required))

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

~~Interpolation~~ Interpolation for bridge less than $\cdot 2L$ (if required)

Deduction = - 32.83 ✓

24th Sept 1951 SHEER CORRECTION.

Mean actual sheer aft = $\frac{5.7}{5.7} = 1.0$
Mean standard sheer aft = $\frac{5.7}{5.7} = 1.0$
Mean actual sheer forward = $\frac{5.7}{5.7} = 1.0$
Mean standard sheer forward = $\frac{5.7}{5.7} = 1.0$
Length of enclosed superstructure forward of amidships = $\frac{5.7}{5.7} = 1.0$
Length of enclosed superstructure aft of amidships = $\frac{5.7}{5.7} = 1.0$

If limited on account of midship superstructure.

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft.

<p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p>Depth to Freeboard Deck = _____ Ft.</p> <p>Summer freeboard = _____</p> <p>Moulded draught (d) = _____</p> <p>Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = _____</p> <p>Addition for Winter North Atlantic Freeboard (if required) = _____</p>	<p>Deduction for Fresh Water.</p> <p>Displacement in salt water at summer load water line _____</p> <p>Δ = _____</p> <p>Tons per inch immersion at summer load water line _____</p> <p>T = _____</p> <p>Deduction = $\frac{\Delta}{40 T}$ inches = _____</p>	<p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient $\frac{.783 + .68}{1.36} = \frac{1.463}{1.36}$ ✓</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="width: 10%; text-align: center;">+</th> <th style="width: 10%; text-align: center;">-</th> </tr> </thead> <tbody> <tr> <td>Depth Correction</td> <td style="text-align: center;">.69</td> <td style="text-align: center;">✓</td> </tr> <tr> <td>Deduction for superstructures</td> <td></td> <td style="text-align: center;">32.83</td> </tr> <tr> <td>Sheer correction</td> <td></td> <td style="text-align: center;">.38</td> </tr> <tr> <td>Round of Beam correction</td> <td></td> <td></td> </tr> <tr> <td>Correction for Thickness of Deck <i>Height of bar framing</i> amidships</td> <td style="text-align: center;">84.00</td> <td style="text-align: center;">22.5</td> </tr> <tr> <td>Other corrections, scantlings, etc.</td> <td style="text-align: center;">✓</td> <td style="text-align: center;">✓ + 17.90</td> </tr> <tr> <td></td> <td style="text-align: center;">84.69</td> <td style="text-align: center;">33.21</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">+ 15.48</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">- 22.52</td> </tr> <tr> <td></td> <td></td> <td style="text-align: center;">Summer Freeboard = 9.35</td> </tr> </tbody> </table>		+	-	Depth Correction69	✓	Deduction for superstructures		32.83	Sheer correction38	Round of Beam correction			Correction for Thickness of Deck <i>Height of bar framing</i> amidships	84.00	22.5	Other corrections, scantlings, etc.	✓	✓ + 17.90		84.69	33.21			+ 15.48			- 22.52			Summer Freeboard = 9.35
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood~~, Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc	Tropical Fresh Water Freeboard
Fresh Water Line	"	"	Fresh Water	"	"
Tropical Line	"	"	Tropical	"	"
Winter Line	"	"	Winter	"	"
Winter North Atlantic Line	"	"	Winter North Atlantic	"	"

10m, 2,31

Existing fireboards N.V. assigned

Kronviken.

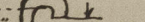
Particulars of fiddle, funnel and ventilator coamings:— Grating 4'-6" x 3'-3" x 3", steel lined cover. Funnel riveted to casing top.
 24" dia. coamings about 9'-0"
 2 " 18 " " 2'-0" high x 1/4", Galv Iron covers.
 2 " 15 " " 3'-0" " x " To Eng. Room
 Eng. Room skylight 14'-0" x 10'-0" x 1'-0" coaming
 6 wood flaps each 2 @ 9 1/2 lights
 wood skylight to gallery, 3'-6" x 1'-6" x 6 1/2" coaming

none.

none.

2 specimens of Ventilators in exposed positions on freestone
 after.
 Fordwell. 2 @ 12" dia x 36" High x $\frac{1}{2}$ th.
 B. 2 " 10" " x 29" " x $\frac{3}{16}$ "
 Ford. " 2 " 14 $\frac{1}{2}$ " " x 33" " x $\frac{3}{16}$ "
 2 " 9" " x 13 $\frac{1}{2}$ " " x $\frac{3}{16}$ "
 Forecastle 1 " 6" " x 10 $\frac{1}{2}$ " " x "

Wood plugs & Canvas covers supplied

Yore well. 1 Port & Starbd. $\frac{1}{26} \frac{1}{25}$  $1 \frac{1}{2}$ dia.

App Banker Hall 1 " 27" 20" x " "

after well 1 " = 1 " 31 24 1/2 x " "

" " 1 " " 27 21 x " "

" " 1 " " 22 1/2 21 x " "

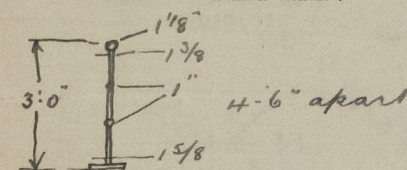
wood plugs supplied

3'-11" x 3'-4", frame on shell 5' x 3'-1/2", over frame 4' x 3'-2" x 1/4", 3 strong backs 4'-1/2" x 1'-3/4", 2 bolts 1'-1/2" dia thro' each attached to door by 7/8" dia bolts thro' 3'-1/4" x 3'-3/4" x 3/8" legs, sills 14" above lower deck. *Capable of being closed watertight*

1 @ 3 1/2"	Eng ⁿ wc.	Iron valve,	Lead Pike Brass flap.	9" above	lower Ok.
1 " 2"	Bath	no	Iron "	5-6 "	" "
1 " 3 1/2"	Off wc.	Iron "	" "	3-9 "	" "
6 " 3"	Capt.	Brass "	" "	" "	" "
2 " "	Crew "	Iron "	" "	6 "	Arriving "

Particulars of Side Scuttles: 5 P.S. in Side 7" dia glass, readlights fitted

Particulars of Guard Rails:— *on Newcastle & Asp Dicks*
-148-



none provided for.

State position of each freeing port ... } After Well:— $7'-0"$, $24'-0"$, $44'-0"$, & $66'-0"$ from after end of spar deck, sill 5"
(F. and A. position and height above deck edge) } Forward Well:— $38'-0"$ & $72'-0"$ from fore side of hull, sill 5"
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— 1 Horizontal Rail 1" dia.

Bridge, Forward Bulkhead <i>2 in. Tw. Pl.</i>	$\frac{1}{4}$	—	—	—	—	2 @ 4'-9" x 4'-6"	1 3' above lower Dk.	7'-0"
Forecastle Bulkhead <i>2 in. Tw. Pl.</i>	$\frac{1}{4}$	$\frac{1}{4}$	5 x 3 x $\frac{3}{8}$	30"	—	—	—	7'-0"
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks	18" x $\frac{3}{8}$ "	$\frac{3}{16}$	3½ x 3 x $\frac{3}{8}$	30"	—	4'-6" x 1'-11"	18"	7'-0"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	" "	"	3 x 3 x $\frac{3}{8}$	24"	—	3'-0" x 1'-6"	3'-0"	7'-0"
Deckhouses on Flush Deck Ships ...	$\frac{5}{16}$	$\frac{5}{16}$	—	28"		4'-6" x 2'-0"	18"	7'-0"

Poop Bulkhead	Hinged steel doors, secured by steel bolts. opens outside only
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Raised Quarter Deck Bulkhead ...	"	"	"	"	"	"	"	"	"
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Bridge, After Bulkhead	
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Bridge, Forward Bulkhead ^{2nd Truss} ~~Plt~~ Bulkhead plate cover, bolts wide pitch

[illegible]

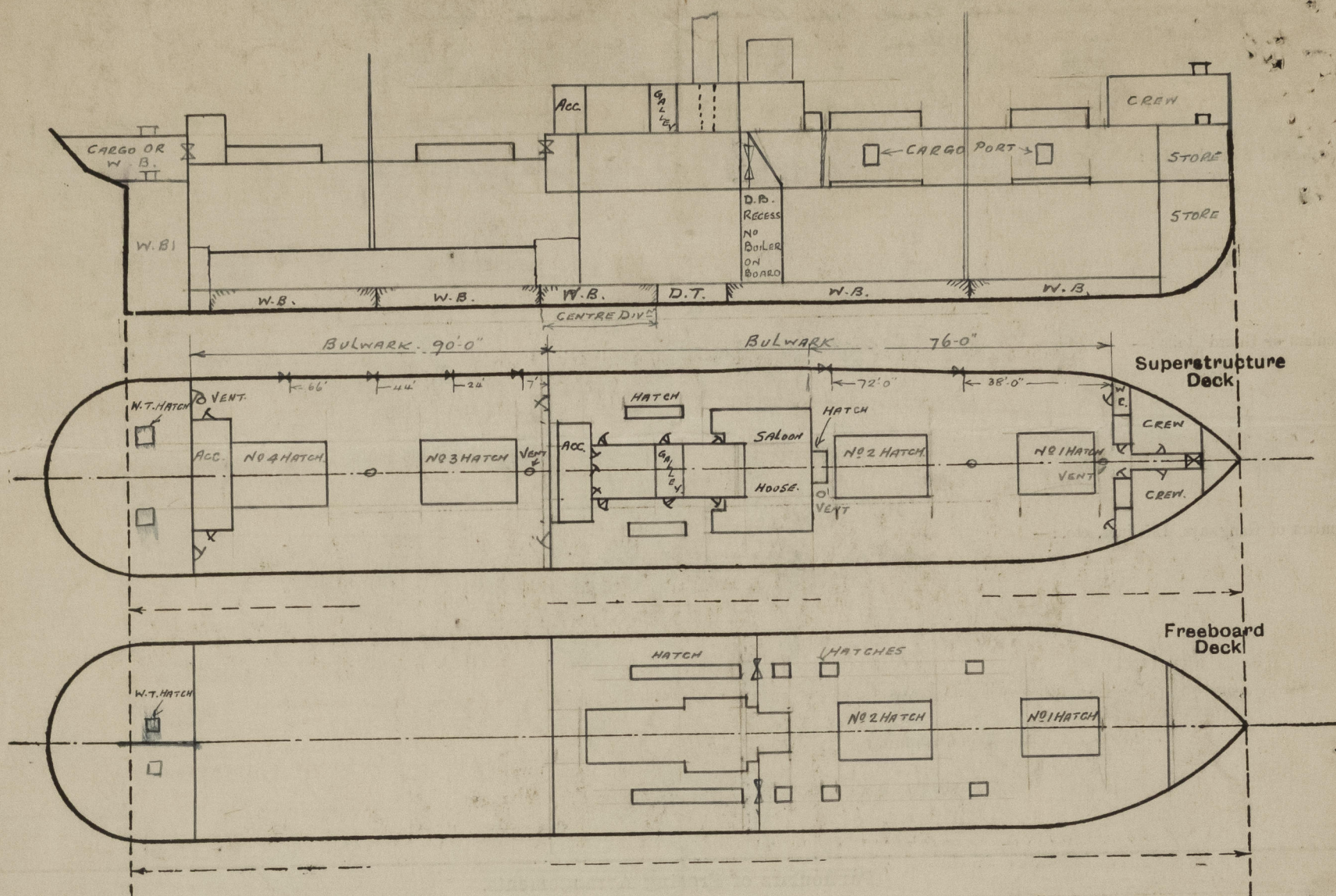
Exposed Machinery Casings on Free-board or Raised Quarter Decks ... 15 © 2014

Exposed Machinery Casings on Super-structure Decks		<i>Steel doors, to Engine Room, Fiddle & Galley each fitted with lock handle.</i>
Machinery Casing on Deck		

Machinery Casings within Superstructures not fitted with Class I Closing Appliances.

Appliances Steel doors from Toren, Ok to Jolly, fitted with latch, opens both a

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:—



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

Vessel surveyed afloat.

Present Lowopias Ventas Freeboards. Certificate dated 7th Sept. 1922.

FW.	7'-2"
T	7'-3½"
S	7'-6½"
W	7'-9½"
W.N.A	7'-11½"
B.O.T	7'-7"

from steel part above deck.

Builder's name and yard number *William Gray & Co Ltd (1905) West Hartlepool.* No 695

Names of sister ships

Owners *Wallem & Co.*

Fee £ *2.55*

Received by me

Sp. 8

Calligram 23.70.



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Lloyd's Register
Foundation