

THUR. 25 FEB 1909

Lloyd's Register of British & Foreign Shipping.
SURVEYS FOR FREEBOARD.

Verification Report

PARTICULARS IN RESPECT OF STEAM SHIPS HAVING SPAR ~~DECK~~
~~AWNING~~ DECKS.

Port of Survey Grangemouth
Date of Survey 24th February 1909
Name of Surveyor J. M. Murray

Ship's Name. <u>S. S. "Ketyarah" Grangemouth</u>	Port of Registry and Nationality. <u>Bombay British</u>	Official Number. <u>✓</u>	Gross Tonnage. <u>Nil S.S. Spar Deck</u>	Date of Build. <u>1909</u>	Particulars of Classification. <u>+100 H1 Spar Deck with Freeboard Contemplated</u>
Number in Register Book <u>26 in Supp.</u>					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK Tonnage.
	<u>246.8</u>	<u>36.2</u>	<u>21.55 Spar Deck</u>	<u>1399.29</u>
Length on LOADLINE	<u>246.8</u>	Frame Depth <u>6"</u> Rule <u>4"</u>	Ceiling <u>2 1/2"</u> Sheer	Peak <u>4104 6/10</u> Tanks = <u>41 1/10</u>
CORRECTED DIMENSIONS.	<u>246.8</u>			<u>1358.29</u>

Moulded Depth as measured 15.1" Main Deck.
" " " 22.6 Spar or Awning Deck.

NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.

Co-efficient of fineness
Any modification necessary {
[Para. 4 (a) to (e)*] }
Co-efficient as corrected

CORRECTION FOR LENGTH:—

Length of Ship on Load Line.... 246.8
Length in Table..... 246
Difference.....
Correction for 10ft.....
× Difference ÷ 10 =

Allowance for strength in excess of Lloyd's rules =

State particulars—

Steel constructed with angle frames & corner frames forming 6" girder, frames joisted from 4" 20 frame to 4" 10 frame outside these numbers. Two side watertight bulkheads fitted. Complete steel spar deck sheathed with 2 1/8" Oak.

Height of 'Tween Decks..... 7' 5"
(From top of beam to top of beam at side) 7' 5"
Correction for Height of 'Tween Decks in Spar-decked Ships.....

Freeboard Table B or C
Correction for Length.....
Correction for Height of 'Tween Decks in Spar-decked Ships.....

Correction for Strength in excess of Lloyd's rules.....

Correction for Iron Deck if required.....

Other Corrections (if any).....

Winter Freeboard.....
Summer Freeboard.....
Indian Summer Freeboard.....
N. A. Winter Freeboard.....

Correction necessary because clearside amidships measured in accordance with the Statute is not taken at inter-section of the wood or iron deck with side

Winter Freeboard from Deck Line
Summer " " "
Indian Summer " " "
N.A. Winter " " "
See attached form

Sheer at Stem 4-6" at 1/8 length from Stem 2.8"
Sternpost... 4.0 " " " Sternpost... 2.4
Drop in Sheer abaft amidships..... None

Round of Spar-deck Beam..... 10 1/2
" " Main-deck " 10 1/2

	Length	×	Height.	State if open or closed at ends.
Forecastle		×	✓	
Bridge		×	✓	
Poop		×	✓	

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—

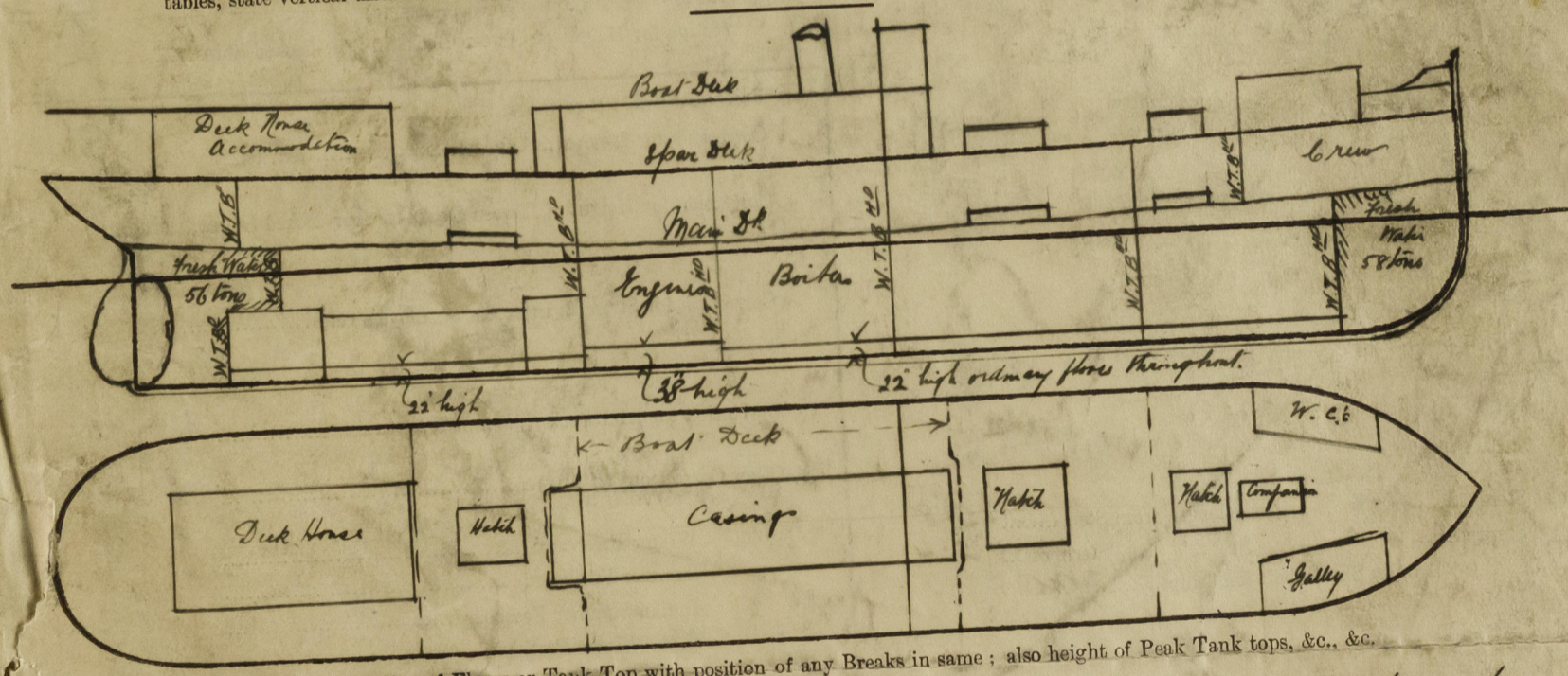
Fresh Water Line	above centre of Disc	...	...	...	...	...	...	...	...
Indian Summer Line	"	"	"	...	...	...	...	...	...
Winter Line	below	"	"	...	...	...	...	...	...
Winter North Atlantic Line	"	"	"	...	...	...	...	...	...

NOTE.—All vessels equal in strength to Lloyd's Spar-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for Ships of full scantlings to the upper deck, are to be considered as Spar-decked Ships, the freeboard for which will vary with their strength.
All vessels equal in strength to Lloyd's Awning-decked rule, or which, although in excess of that rule, do not come up to Lloyd's requirements for a Spar-decked Vessel, are to be considered as Awning-decked Ships, the freeboard for which will vary with their strength.
* If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.

Do all the Frames extend to the top Height in the Spar deck? *Yes* Awning deck? ☒
Do all the Frames extend to the top height in the Poop? *Yes* Bridge House? ☒ Forecastle? ☒
To what height do the Reverse Frames extend? *Main + Spar deck alternately.*
Has the Poop an efficient Iron Bulkhead at the fore end? ☒
Give particulars of the means for closing the openings in Bulkhead ☒
Is the Poop connected with the Bridge House? ☒ Has the Bridge House an efficient Bulkhead at the fore end? ☒
Give particulars of the means for closing the openings in Bulkhead ☒
What is the thickness of the Bridge Front plating? ☒ and Coaming plate? ☒
Give scantlings and spacing of the Stiffeners ☒
Are bracket plates fitted at each end of the Stiffeners? ☒ Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? ☒
Has the Bridge House an efficient Iron Bulkhead at the after end? ☒
How are the openings closed? ☒ Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? ☒
Is the Forecastle at least as high as the main or top-gallant rail? ☒
Are the Engine and Boiler openings covered by a Bridge, Poop, or enclosed by a Strong Iron or Steel Deckhouse? ☒
If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *No*
Give thickness of plating; scantlings and spacing of Stiffeners *6/20 plating + coamings 7/20 Stiffeners 3x3x6/20 30" apart*
What is the height of the exposed Casings? *4'-0"* Are suitable means provided for closing all openings in them in bad weather? *No*
Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:— *Yes*

Position and Size.	11-17 1/2 ft. 11-6 x 9-6		11-2 1/2 ft. 15-4 x 12-6		11-3 1/2 ft. 11-6 x 9-6		Ship.	Rule.	Ship.	Rule.
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.				
Height above top of DECK	30"	24"	30"	24"	30"	24"				
COAMING	Sides.....	5/8"	5/8"	5/8"	5/8"	5/8"				
	Ends.....	5/8"	5/8"	5/8"	5/8"	5/8"				
SHIFTING BEAMS OR WEAR PLATES	Number.....	None	One	One	None	None				
	Section and Scantlings.....	None	4 1/2 x 10 Bulb	9 x 9 B.	None	None				
	Material.....	None	3 x 3 x 8/10 B. angle	Double angle	None	None				
FORE AND AFTERS.	Number.....	One	Three	Three	One	One				
	Section and Scantlings.....	6 x 6	7 x 7 bulb	7 x 7 bulb	6 x 6	6 x 6				
	Material.....	Pitch Pine	7 x 5 Sides Pitch Pine	6 x 5 Sides Pitch Pine	Pitch Pine	Pitch Pine				
HATCHES Thickness.....	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2				
Remarks.....										

* When the Fore and Afters are of wood the depth should be stated from the underside of the hatches.
(If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel. *A Preliminary Freeboard has been assigned per London letter 11 2nd September 1908. The builders request that on assignment of Freeboard the same be issued to them direct. Midships Section + Profile plans enclosed for reference.*

Owners.
Address.
Fee £

Received by me