

PARTICULARS RELATING TO ~~ALL~~ STEAM SHIP, ~~EITHER FLUSH DECKED, OR WITH~~
~~TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR~~
~~WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS~~
~~CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.~~

Port of Survey *Glasgow*
Date of Survey *While building*
Name of Surveyor *E. Brimblecombe.*

Shelter deck with tonnage opening 4'-2" x 18'-0"

Wm Denny & Bros No. 1039.
Ship's Name

"HAURAKI"

Port of Registry
and Nationality.

London
British

Official
Number.

146533

Gross
Tonnage.
7112.76
7500
approx

Date of Build.

1922

Particulars of Classification.

100A1 Shelter deck with floor
(Contemplated)

Number in Register Book 37731 (Sup.)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	450.3	58.25	31.40	6488.56
Length on LOADLINE.	450.0	Frame Depth/ ²⁰ / _{Rule} 58.45 - .75 57.70	^{fitted} Ceiling + .20 Sheer + .87 - .75 32.47	^{Deck} 7" frames Tonnage 6488.56 - 30 tons 6458.56
CORRECTED DIMENSIONS.	450.0	57.84	32.47	6458.56

Moulded Depth as measured..... 34'-0"

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

Addition for Keel below base line
for draught record.....**2**.....inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 450 ✓
 Length in Table 408 ✓
 Difference 42 ✓
 Correction for 10ft., Table A. 1.7 Table C.
 × Difference divided by 10 7.14 (if required.)
 If $\frac{6}{10}$ ths length covered divide by 2 3.55 ✓ + 3½" ✓

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ ths length covered96
 Thickness of usual wood deck, less stringer $3\frac{1}{2}$ "
Deck not sheathed. $-3\frac{1}{2}$ " ✓

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	58'-0"	
Round of Beam.....	14½"	
Normal round.....	14½"	
Difference	✓	÷ 2 =.....✓
Proportion of Deck uncovered (Para. 19)		✓

NOTE. — The round of beam should be reported on the full breadth of vessel at the gunwale.

Co-efficient of fineness..... ~~.77~~ .78

Any modification necessary }
[Para. 4 (a) to (e)]* } - .02 C.D.B.

Co-efficient as corrected ~~.75~~ .76

Sheer { Stem..... $\frac{114}{60}$ } $174 \div 2 = 87$...Mean $36 \frac{55.0}{31.5} 36$
 at { Sternpost ... } $\frac{81}{}$

Sheer at $\frac{1}{2}$ of the length from { Stem 64 } $95 \div 2 = 47.5$...Mean
 { Sternpost 31 } $\div .55 = 86.5$ 36

Gradual mean Sheer 55

Standard mean Sheer [Table, Para. 18] 55 Correction

Difference..... 31.5 $36 \div 4 = -8$ " 7.84

§ If limited as Para. 18 (f) $-2\frac{3}{4}$ "

Rise in Sheer	{	At front of bridge house.....
from amidships		At after end of forecastle
[Para. 18 (e)]		

Fall in Sheer } $\div 2 =$
 Para. 18 (d) }
 Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C.....	5'-11 $\frac{1}{2}$ " 6.4
Correction for Length, if required (Para. 12, 13, and 14)	✓
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 12, 13, and 14)	8'-5 $\frac{1}{2}$ " 6 $\frac{1}{4}$ "
Difference	2'-6 $\frac{1}{4}$ "
Percentage as below.....	91%
	27" 8.53

correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)

Allowance for Deck Erections -2'-3¹/₄'²

	Length.	Length allowed.	Height.
orecastle.....	362 - 5"	360 . 96	
ridge House.....	356 . 58	356 . 58	
Storage opening.....	4 - 2"		
Roised Qr. Dr.....	5 . 83	4 . 38	
pop.....	417		
	88 . 52	31 . 0	52 . 42
	21 . 42	21 . 42	
Total	450 . 0	413 . 38	
ngth of Ship		18 . 31	= 1/2 diff.
responding percentage		431 . 69	= . 96
(Para. 11, 12, 13, or 14)	91% ✓	450 . 0	

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

8. 10. 21	Fresh Water Line	above centre of Disc
Summer 18. 10. 21	Indian Summer Line	" " "
	Winter Line	below " "
	Winter North Atlantic Line	" " "

Winter Freeboard	6'-2 1/4" 23/4
Summer Freeboard	5'-7 1/2" 8 1/4
Indian Summer Freeboard	5'-1 1/4" 13/4
N. A. Winter Freeboard	✓

Correction necessary because clearside amidships, measured
in accordance with the Statute is not taken at the
intersection of the ~~wood~~ ^{on} iron deck with side.

Winter Freeboard from deck line	6'-4" 4 1/2
Summer " " " "	5'-9 1/2 10
Indian Summer " " " "	5'-3" 3 1/2
N. A. Winter " " " "	✓

1. (Iron) Deck: — 5'-10" 5'-9 1/2" 10

+ State dimensions of freeing port area on back of this form.

The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight line of keel or to the water line. If measured relatively to water line the vessel's draft at time of survey, and also the usual load draft forward and aft, should be reported. MARKING

MARKING REPORT:
RECEIVED

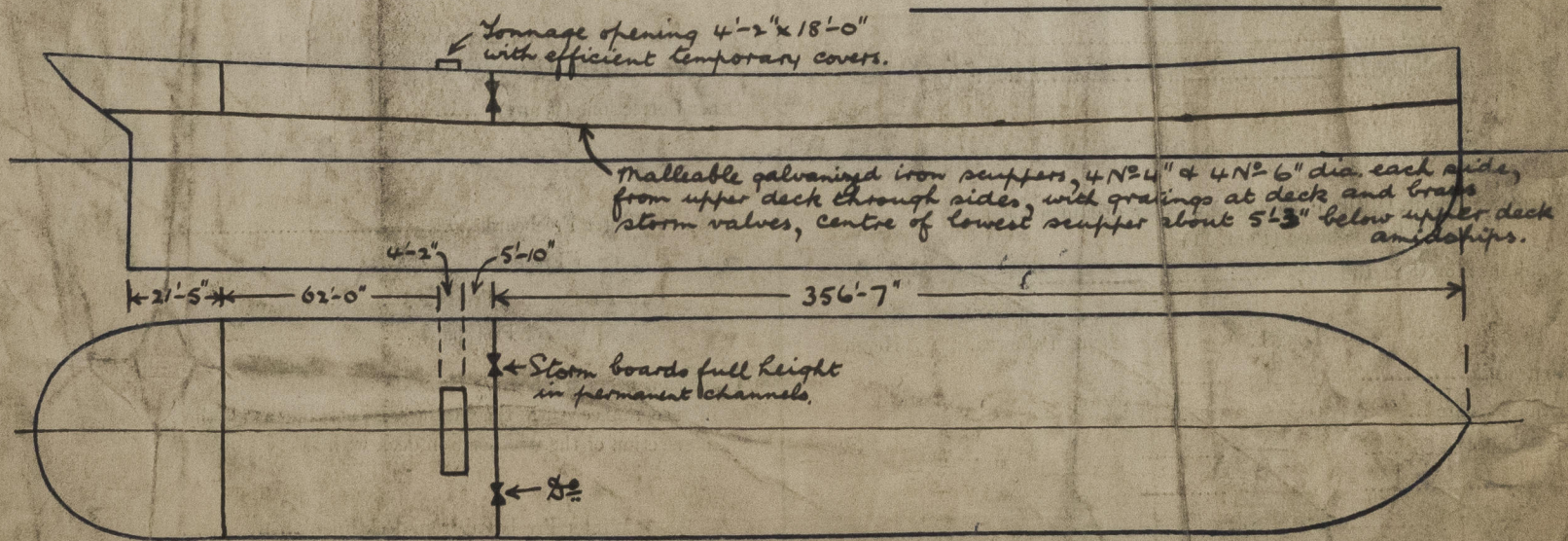
Do all the Frames extend to the top height in the Poop? *all frames extend to Shelter Deck as approved* ✓
 To what height do the Reverse Frames extend? *Bull angle frames*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *no openings* ✓
 Is the Poop or Raised Quarter Deck 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? *Complete Shelter Deck.*
 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? *Yes*
 How are the openings closed? *Storm boards full height in permanent channels.* ✓
 Is the Forecastle at least as high as the main or top-gallant rail? ✓ Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? ✓
 Are the Engine and Boiler openings covered by a *Shelter Deck* ~~Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse?~~ *Yes.*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? ✓
 Give thickness of plating; scantlings and spacing of Stiffeners ✓
 What is the height of the exposed Casings? ✓ Are suitable means provided for closing all openings in them in bad weather? ✓
 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.		No. 1. 27'-0" x 18'-0"		No. 2. 29'-3" x 18'-0"		No. 3. 22'-6" x 18'-0"		No. 4+5. 27'-0" x 18'-0"		TONNAGE OPENING 4'-2" x 18'-0"	
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	30"		30"		30"		30"		12"	
	Sides	.44		.44		.50		.50		.40	
	Ends	.44		.44		.44		.44		.44	
SHIFTING BEAMS OR WEB PLATES.	Number	Five		Five		Five		Five		None	
	Section and Scantlings	Plate .35 15" deep centre 7 1/2" sides Angles 4 x 3 x .44		Plate .36 16" deep centre 8" sides Angles 4 x 3 x .44		Plate .34 14" deep centre 7" sides Angles 4 x 3 x .44		As No. 1.			
	Material	Steel		Steel		Steel					
* FORE AND AFTERS.	Number										
	Section and Scantlings	no fore and afters.									
	Material										
HATCHES Thickness		3"		3"		3"		3"		3"	
Remarks		Sides and ends stiffened by 7" x 3" x .40 B.A. →									

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.
 (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.)
 The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet moulded depth) and under Shelter Deck Rules.
 What is the thickness of the Bridge Sheerstrake? _____ Strake between Main and Bridge Sheerstrakes? _____

Delete the words } The Crew are, are not, berthed in the bridge house.
 that do not apply } The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.
 Ft. Tenths. Ft. Tenths. No. }
 2.0 x 1.5 x 1 } Freeing Ports = _____ Sq. ft.
 x x } (each side of vessel)
 Total deficiency or excess = _____ Sq. ft.



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. *Vessel to be classed 100A1 Shelter Deck with f.b.d.*
Midship section, Profile, and Freeboard Request enclosed.

Owners *Union S.S. Co., Ltd., New Zealand.*

Address _____

Fee £ *13* : 0 : 0 Received by me *Lee H. Report*

