

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT.

SURVEY FOR FREEBOARD OF STEAM-SHIP

having Shelter deck, with tonnage opening aft.

Port of Survey Leith
Date of Survey During construction
Name of Surveyor A. MacArthur

State type of erections.

Ship's Name.	Gross Tonnage.	Official Number.	Port of Registry and Nationality.	Date of Build.	Particulars of Classification.
" <u>Lochland</u> "		<u>161829</u>		<u>1932</u>	<u>B.S. *</u>

38.2 ✓
34.5 ✓
1.58 ✓
74.28 ✓
2 ✓
72.28 ✓

Registered Length as shown by Ship's Register } 251.5 Breadth 38.2 Depth 15.9 at D.B.
Length on Loadline } 250 Sheer Correction } + .27
Breadth } 37.7 2" ceiling on } 15.77
} 2 1/4" sparring fitted } .08 1 1/2" beams } .08
} 37.62 } 15.69

Moulded Depth as measured 17' 3"
NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported

Frame 7.5 mean
Rule 4.5
3 x 2 = .5
12

Depth 967.77 Tons Und. Dk. 967.77
× 100
Tonnage in Peaks

CORRECTION FOR LENGTH.

Length of Ship on Loadline 250
Length in Table 201
Difference 49
Correction for 10 ft., Table A. 1.1 Table C. (if required.)
× Difference divided by 10 2.473
If 1/10ths length covered by erections divide by 2 } 2.365 = + 2 3/8

967.77 x 100
250 x 37.62 x 15.69 = .656

Co-efficient of fineness .66
Any modification necessary } -.02 C.O.B.
[Para. 4 (a) to (c)] * }
Co-efficient as corrected .64 use min. cft.

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered allows 100%
Thickness of usual wood deck, less stringer 4'-1/2" = 3 1/2" dk.

Sheer at Stem 60 } 92 ÷ 2 = 46 Mean
at Stern-post 32 }

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships 38' 0"
Round of Beam 9.5
Normal round 9.5
Difference ✓ ÷ 2 = -
Proportion of Deck uncovered (Para. 19) ✓

Sheer at 1/2 of the length from Stem 33 } 49 = 44.55
Stern-post 16 } 2 x .55
Gradual Mean Sheer 44.55
Standard Sheer (Table, Para. 18) 35 Correction ✓
Difference 9.55 ÷ 4 = 2.39 = - 2 3/8

Rise in sheer } At front of bridge house
from amidships } At after end of forecastle
Fall in sheer ÷ 2 =

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C 2.66 and 17' 3" 8 3/4
Correction for Length, if required (Para. 12, 18, and 14)
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 18, and 14) } 2- 8 3/8
Difference 1- 11 5/8
Percentage as below 94.15%
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house } ✓
Allowance for Deck Erections 1- 10 1/4

Freeboard, Table A. 2.68 and 17' 3" 2- 10 3/4
Correction for Sheer - 2 3/8
Correction for Length + 2 3/8
Allowance for Deck Erections - 1- 10 1/4
Correction for Round of Beam nil

	Length.	Length allowed.	Height.
Forecastle	<u>226.94</u>	<u>226.94</u>	<u>7'-6"</u>
Bridge House	<u>4.25</u>	<u>2.13</u>	<u>7'-6"</u>
Poop	<u>18.81</u>	<u>18.81</u>	<u>7'-6"</u>
Total		<u>247.88</u>	<u>.9915</u>
Length of Ship	<u>260</u>		
Corresponding percentage (Para. 11, 12, 13, and 14)			<u>94.15%</u>

Correction for Iron Deck (if required) - 3 1/2
Additions for non-compliance with provisions of Para. 11 (d) and (e) † } ✓
Other Corrections (if any) }
Winter Freeboard 9
Summer Freeboard 6 1/2
Indian Summer -
N. A. Winter Freeboard -
Correction necessary because clearside amidships measured in accordance with the Statute is not taken at the intersection of the deck with side } 1 1/2
Winter Freeboard from deck line § 10 1/2
Summer " " " " 8
Indian Summer " " " " -
N.A. Winter " " " " -

assd. 18/1/32
checked wpt 18.1.32.

FREEBOARD recommended amidships from centre of disc to top of Statutory Deck Line, W (Iron) Upper Deck:—

Fresh Water Line 4 1/2 ins. above centre of Disc. Corresponding Freeboard 0'-8"
Indian Summer Line " " " " " " " " 0'-3 1/2"
Winter Line 2 1/2 " below " " " " " " 0'-10 1/2"
Winter North Atlantic Line not engaged " " " " " " " "

FW 29.59
ADV 18' 4.1 say 4 1/2" as for sister ship
Med. Depth 17'-3"
Stat. dk. 1 1/2
Hd. 17'-5"
Med. Dept. 16'-9"
Ext. Drft. 16'-11 1/2"
approx.

* If the frames, skin, planking or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.
† In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amidships the height of the R. Q. D. is to be taken from the level of the top of the amidship beam.

DELETE WORDS WHICH DO NOT APPLY.

The Crew ~~are, are not~~, berthed in the Bridge house.

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.	} Freeing Ports each side of vessel	= 12 1.83 x 1.25 Sq. Ft. = 2.29 sq. ft.
	×		×			
	×		×			

Total excess deficiency = Sq. ft.

in each side in way of tonnage hatch.

If the sill of the lowest side scuttle would 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.

Do all the Frames extend to the top height in the Poop?

Do.	do.	do.	Raised Quarter Deck
Do.	do.	do.	Bridge House?
Do.	do.	do.	Forecastle?

Shelter decker. all frames to upper deck, alternate frames to shelter deck for 3/5 L, all frames to shelter deck at ends. Bd. Framing

To what height do the Reverse Frames extend?

Has the Poop ~~or Raised Quarter~~ Deck an efficient Iron Bulkhead at the fore end? *Yes*

How are the openings closed? *No openings*

Is the Poop ~~or Raised Quarter~~ Deck connected with the Bridge House? *Yes*

Are the Engine and Boiler openings covered by a Bridge, ~~Pop. Deck~~ Deck, *Coaming* enclosed by a Strong ~~Iron~~ Steel ~~Deck House~~ *Deck House*?

If the openings are not so protected, are the exposed parts of the Casings efficiently constructed? *Yes*

What is their height? *Yes*

Are suitable means provided for closing all openings in exposed Casings in bad weather? *Yes*

Has the Bridge House an efficient Bulkhead at the fore end? *Yes*

How are the openings closed? *Yes*

Give thickness of Bridge Front plating *Yes* Coaming plate *Yes* Stiffeners *Yes* spaced *Yes* bracketted *Yes*

Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*

How are the openings closed? *Bolted plates with hook bolts, bolts spaced more than 12"*

Is the Forecastle at least as high as the main or top-gallant rail? *Yes*

Has the Forecastle an efficient Iron or Wood Bulkhead at its after end? *Yes*

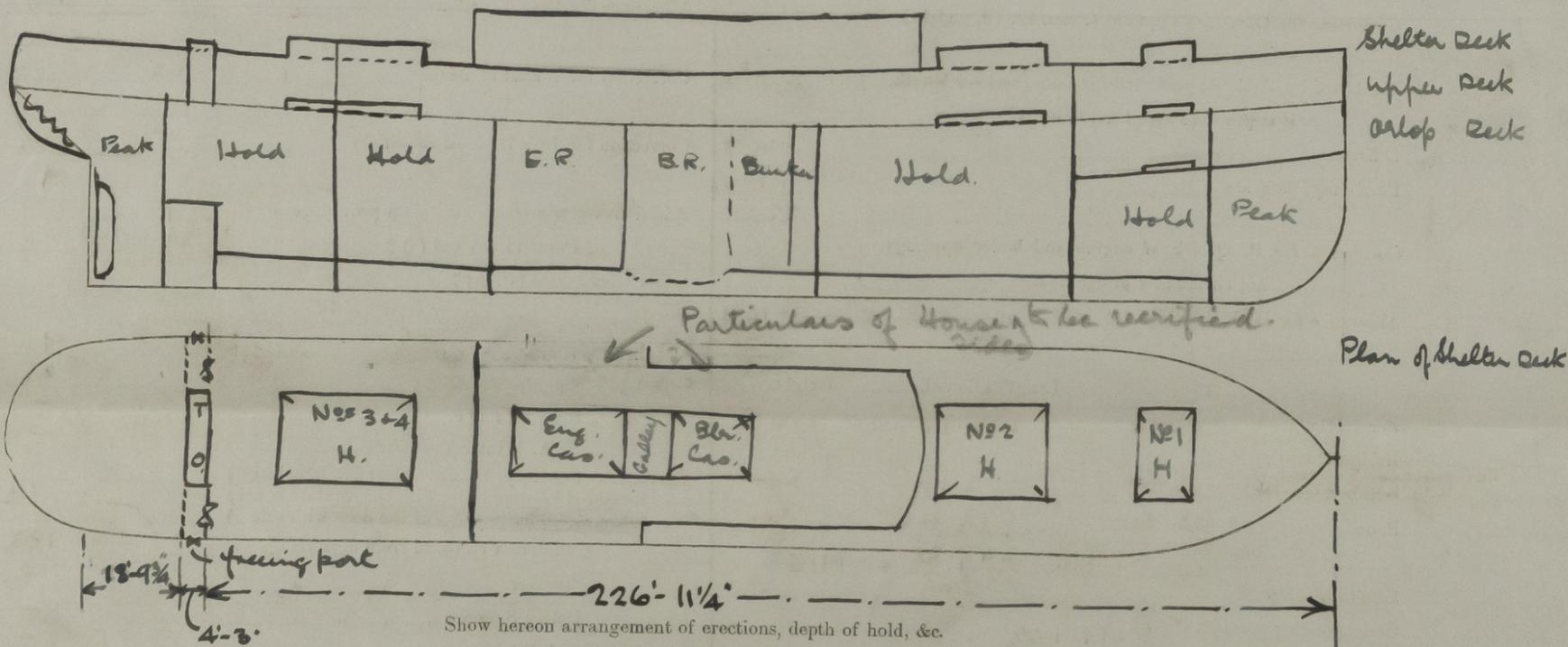
Are the Weather Deck Hatchways efficiently constructed and at least equal to the Rule requirements? *Yes*

What is the thickness of the Hatches? *2 1/2"* State the height of the Coamings ~~in Fore Well~~

~~In After Well~~ *32" on shelter deck*

State any special features in the construction of the Vessel *Yes*

Shelter Decker



The Freeboards, as stated on the other side, being in accordance with the Tables, it is submitted that the same be assigned.

[Signature]
Chief Surveyor.

Passed at a meeting of the Committee of Management of the British Corporation Register of Shipping and Aircraft on the *20th January 1932*

W. H. Casler
Secretary.

