

EXIT *Lon*
6/4/32

Index No. 27414

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.

For London Office only.)
 MON. 6 DEC. 1920

PARTICULARS RELATING TO ALL STEAM SHIPS 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 Troon.
Date of Survey 1st. Dec. 1920.
Name of Surveyor Robt. Cheetham;

AILSA S. B. Cos. No. 370.

Ship's Name "HALCYON"	Port of Registry and Nationality. <i>London.</i> <i>British.</i>	Official Number. <i>146134</i>	Gross Tonnage. <i>1580</i>	Date of Build. <i>1920.</i>	Particulars of Classification. <i>+100 A1. Steel. Sk. with freeboard.</i> <i>(Class Contemplated.)</i>
Number in Register Book <i>59775.</i>					

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	270.4	39.2	14.95	1104.67
Length on LOADLINE.	269.75	Frame Depth $7\frac{1}{2}$ Rule „ $4\frac{1}{2}$ $2 \times 2\frac{1}{2} = -.41$	Ceiling fitted. Sheer $+ .72$ $\frac{1}{2}$ droop of tank $+ .08$	Peak ✓ Tanks ✓
CORRECTED DIMENSIONS.	269.75	38.79	15.75	1104.67

Moulded Depth as measured. 17-0 to Upper Sk.

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. 1 1/2 inches. including rubbing pl. at after end for H-0-0

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

Co-efficient of fineness..... $\cdot 67$
 Any modification necessary } *Cell D. Int. - .02*
 [Para. 4 (a) to (e)]* }
 Co-efficient as corrected $\cdot 65$
.68 Lowest in Table.

CORRECTION FOR LENGTH.		
Length of Ship on Loadline.....	269.75	-
Length in Table	204.00	✓
Difference	65.75	✓
Correction for 10ft., Table A.	1.1	✓
× Difference divided by 10	7.23	✓
	(if required.)	✓
If $\frac{8}{10}$ ths length covered divide by 2	3.61	✓
	+ 3½	✓

Sheer { Stem..... $7 \cdot \overset{0}{\underset{0}{3}}$ } $10 \cdot 6'' \div 2 = 63''$... Mean $\frac{25 \cdot 98}{36} = .72$
 at { Sternpost $3 \cdot 6$ }
 Sheer at $\frac{1}{2}$ of the length from { Stem $3 \cdot 104$ } $5 \cdot 94'' \div 2 = 34 \cdot 62''$... Mean
 { Sternpost $1 \cdot 11$ }
 Gradual mean Sheer $S = 63''$ Effective $62 \cdot 94''$
 $S_1 = 62 \cdot 94$ $36 \cdot 97$
 Standard mean Sheer [Table, Para. 18]
 Difference..... $25 \cdot 978 \div 4 = 6 \cdot 49$ Correction
 $- 6 \frac{1}{2}''$
 § If limited as Para. 18 (f)

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ this length covered ✓

Thickness of usual wood deck, less stringer $3\frac{1}{2}$ " — $3\frac{1}{2}$ " ✓

Rise in Sheer from amidships [Para. 18 (e)]	{	At front of bridge house..... At after end of forecastle	
¶ Fall in Sheer Para. 18 (d) Length uncovered	{	$\div 2 =$	Correction

CORRECTION FOR ROUND OF BEAM.		
Breadth at Gunwale amidships.....	39.0	<p>NOTE. — The round of beam should be reported on the full breadth of vessel at the gunwale.</p>
Round of Beam	9.4	
Normal round.....	9.4	
Difference	✓	
	$\div 2 =$	✓
Proportion of Deck uncovered (Para. 19)	✓	✓

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

ALLOWANCE FOR DECK ERRATIONS:—	
Freeboard, Table C.....	8½"
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) }	2 - 3½" ✓
Difference	1 - 7" ✓
Percentage as below.....	17.44 ins ✓
	91.8% - 1 - 5½" ✓

Freeboard, Table A	2 - 10	✓
Correction for Sheer	- 6½	✓
	2 - 3½	✓
Correction for Length	+ 3½	✓
	2 - 7	✓
Allowance for Deck Erections	- 1 - 5½	✓
	1 - 1½	✓
Correction for Round of Beam.....	✓	
Correction for fall in Sheer (if any).....	✓	
Correction for Iron Deck (if required)	- 3½	✓
	10.	
Additions for non-compliance with provisions of }	✓	
Para. 11 (d) and (e) ‡	✓	
Other Corrections (if any)	✓	

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	}	✓
Allowance for Deck Erections		

Winter Freeboard	10'
Summer Freeboard 2 1/2'	7 1/2'
Indian Summer Freeboard	✓
N. A. Winter Freeboard	✓

	Length.	Length allowed.	Height.
Forecastle.....	70.18	70.18 ✓	7.9 ✓
Bridge House	166.74	161.95 ✓	7.9
+ Raised Q. 10	4.00		
Poop.....	<u>28.83</u>	<u>20.45 ✓</u>	7.9 ✓
Total	269.75	252.58 ✓	
Length of Ship		$\frac{1}{2}$ Diff. + <u>16.85</u>	
Corresponding percentage {		<u>261.16</u>	
(Para. 11, 12, 13, or 14)	91.8% ✓	269.75 = .968 ✓	

Correction necessary because clearside amidships, measured
in accordance with the Statute is not taken at the
intersection of the ~~wood~~ or iron deck with side. } 1 1/2"

Winter Freeboard from deck line	11½
Summer " " " "	9
Indian Summer " " "	✓
N. A. Winter " " "	✓

FREEBOARD recommended amidships from centre of Disc to top of Statutory D

12. 20. Fresh Water Line above centre of Disc

Indian Summer Line " " "

Winter Line below " "

Winter North Atlantic Line " " "

† 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.

† In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-post.

† In vessels having poops and forecastles, it means the sheer measured at points distant one-eighth of the vessel's length from stem and stern-post.

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.

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relatively to the straight
vessel's draft at time of
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14.2.2

Do all the Frames extend to the top height in the Shelter Dk. Yes. Raised Quarter Deck? ☒ Bridge House? ☒ Forecastle? ☒

To what height do the Reverse Frames extend? No new frames.

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? ☒

Give particulars of the means for closing the openings in Bulkhead ☒

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? ☒

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? ☒

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 Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? Shelter Dk. ☒

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? Yes.

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.

Shelter Dk.
Tonn. Opq. 13-0 x 14-0

Position and Size.		No. 1. 15-4 x 13-0		No. 2. 23-0 x 13-0		No. 3. 15-4 x 13-0		No. 4. 15-4 x 13-0			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	2'-6"									
	Sides	.44									
	Ends	.44									
WEATHER DECK PLATES.	Number	Two.		Four.		Two.		Two.			
	Section and Scantlings	12" bet. .30 11" Long. 3 x 3 x .40.									
	Material	Steel									
* FORE AND AFTERS.	Number	None.		None		None.		None.			
	Section and Scantlings	✓		✓		✓		✓			
	Material	✓		✓		✓		✓			
HATCHES Thickness		3"		3"		3"		3"			
Remarks		W. Pine.		W. Pine.		W. Pine.		W. Pine.			

* 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 Shelter Dk. .54 Strake between Upper + Shelter Dk. and Bridge Sheerstrakes? .50

Delete the words { The Crew are, ~~not~~, berthed in the bridge house. Shelter Dk. forward.
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

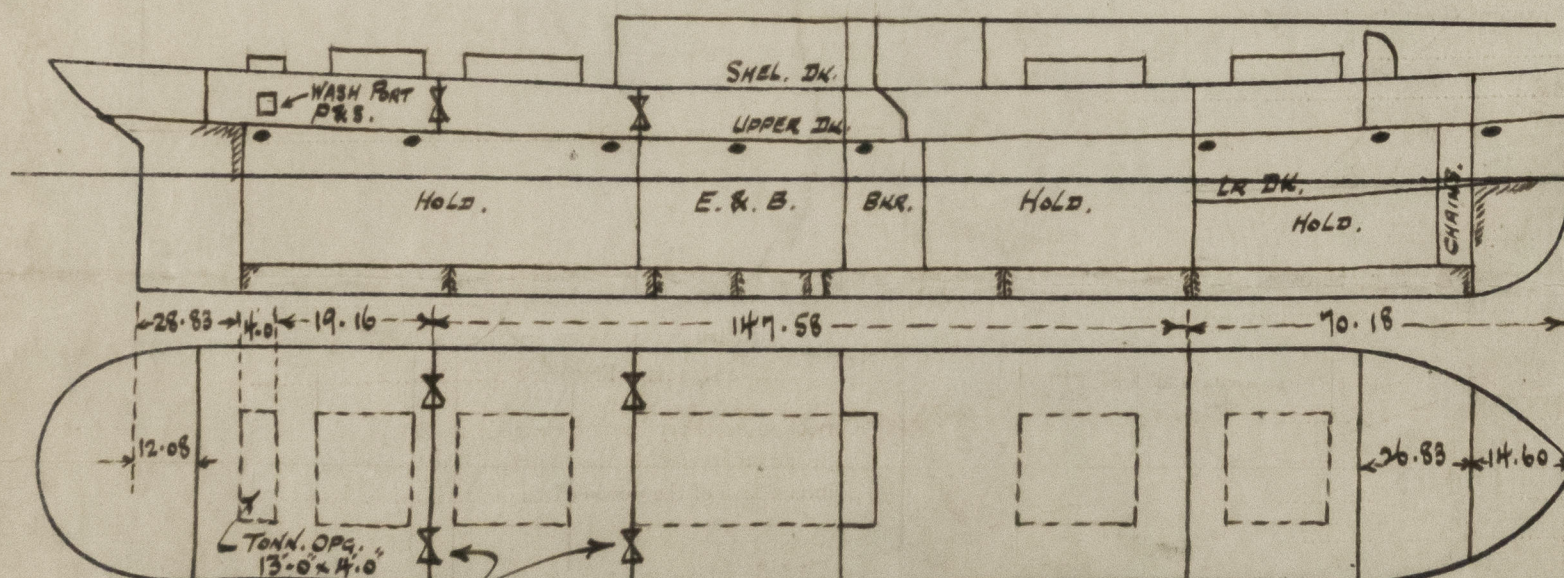
Area of Freeing Ports required by Para. 11 (e) each side of vessel = Sq. ft.

Ft. Tenths. Ft. Tenths. No.

2.00 x 1.66 x

Freeing Ports (each side of vessel) = 3.32 Sq. ft.
Abstract Tonn. Opq.

Total deficiency or excess = ✓ Sq. ft.



8 Wrot 3. Scuppers with brass Storm Valves, P.S. where shown.

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

Efficient temporary covers fitted over
Tonnage opening in accordance with rules for Shelter Dk. Vessels. Freeboard request form herewith.
The Midship Section and Profile plans are enclosed herewith for reference.

Owners General Str. Nav. Co. Ltd.

Address London.

To be charged with 1st Entry received by me



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