

Index No. - 3 MAR 50
(For London Office only.)

SURVEYS FOR FREEBOARD.—STEAM SHIPS

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 *Glasgow*
Date of Survey *March 1927*
Name of Surveyor *Norman Dobson*

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
CITY OF HEREFORD	Liverpool.	149618		1927	+ 100 A1 (Contemplated)

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	385.4	51.7	30.3	4825.48
Length on LOADLINE.	394.0 383.0	Frame Depth ¹⁰ Rule " <u>6</u> - .66. " <u>4</u> + .33 ¹⁶ _{Per} ^{Per} _{fining}	Ceiling ^{No} + .20 Sheer + .70 Level Tanks	Peak } Incl. Tanks } No 1.5 Halls + 12.50 + 12.50
CORRECTED DIMENSIONS.	383.0	51.7	31.20	4825.48 4837.48

Moulded Depth as measured..... 32-66 " " " "
- 32 - 8

Addition for Keel below base line
for draught record..... 2 1/4 inches.

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

CORRECTION FOR LENGTH

Length of Ship on Loadline.....	383 -	
Length in Table	392 -	
Difference	9.0 -	
Correction for 10ft., Table A.	1.6 -	Table C. .8 -
× Difference divided by 10	1.44 -	(if required.) .72 -
If $\frac{6}{10}$ ths length covered divide by 2	- 1.2 -	- .36 -

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ ths length covered 466 -
Thickness of usual wood deck, less stringer 32.

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....	51'-6"	
Round of Beam.....	13"	
Normal round.....	12-9	
Difference	10 ✓	$\div 2 =$ 05
Proportion of Deck uncovered (Para. 19)		

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

efficient of fineness.....
modification necessary }
ra. 4 (a) to (e)]* }
cient as corrected
788
76 77

Stem..... $8'0$ } $11'11\frac{1}{2} \div 2 = 5'11\frac{1}{4}$... Mean 71.75
 Sternpost ... $3'1\frac{1}{2}$ } $36'25'08$
 $3'70$
 $\frac{1}{2}$ of the length from { Stem $4'6$ } $6'9 \div 2 = 3'4\frac{1}{2}$... Mean
 { Sternpost $2'3$ } 71.75
 mean Sheer $\frac{71.75 + 73.63}{2} = 72.69$ $\div 55 = 73.63$
 d mean Sheer [Table, Para. 18] 48.64 48.30
 Difference..... 24.7339 Correction
 added as Para. 18 (f) $\div 4 = 6.079$
 $-6''$

a Sheer { At front of bridge house.....
 midships {
 18 (e)] { At after end of forecastle

1 Sheer } $\div 2 =$
 18 (d) }
 uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

d, Table C.....

n for Length, if required (Para. 12, 13, and 14)

l by Table A. corrected for sheer, and for length, {
if required (Para. 12, 13, and 14) }

e

e as below.....

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

	Length.	Length allowed.	Height.
.....	37.0	37.0	7.6"
ouse	110.5	110.5 28	9.3
Qr. Dk.....	✓	✓	
.....	31.0	31.0	7.6"
tal		178.5 28	
Ship	383.0	= 466 -	

ling percentage }
t, 12, 18, or 14) } 29.62%

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

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

Winter Freeboard	6	7' - 0 ³ / ₄ 1 ¹ / ₂
Summer Freeboard		6' - 6 ³ / ₄ 7 ¹ / ₂
Indian Summer Freeboard		6' - 0 ³ / ₄ 1 ¹ / ₂
N. A. Winter Freeboard		7' - 2 ³/₄

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wood or~~ steel deck with side.

Winter Freeboard from deck line	7' - 2 1/2 3 1/4
Summer " " " "	6' - 2 1/2 9 1/4
Indian Summer " " "	6' - 2 1/2 3 1/4
N. A. Winter " " " "	7' - 4 1/2

1 (Steel) Deck :— ... 6'-9" ... 6'-8" 9"

† 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.

RECORD EXPUNGED

DATE 23 APR 1927

003075-003082-0230

Do all the Frames extend to the top height in the Poop? *1/2* Raised Quarter Deck? *✓* Bridge House? *1/2* Forecastle? *✓*
 To what height do the Reverse Frames extend? *Channel & Bangle 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 *Steel hinges door*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *No* Has the Bridge House an efficient Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *No openings*
 What is the thickness of the Bridge Front plating? *.36* and Coaming plate? *.40*
 Give scantlings and spacing of the Stiffeners *9 x 3 x .43 B Angle 30 1/2" apart*
 Are bracket plates fitted at each end of the Stiffeners? *Lugs 6 x 6* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *Yes*
 How are the openings closed? *Steel plate doors with hooked bolts and alternative arrangement of weather boards fitted in channels*
 Is the Forecastle at least as high as the main or top-gallant rail? *Yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *Yes*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *1/2*
 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:— *No.*

Position and Size.	101 24'-9" x 18'-0"	102 37'-0" x 18'-0"	102A 12'-0" x 18'-0" (Bridge)	103 9'-0" x 18'-0" (Bridge)	104 30'-0" x 18'-0"
Item.	Ship.	Rule.	Ship.	Rule.	Ship.
COAMING. Height above top of DECK	30"	30"	30"	30"	30"
Thickness { Sides.....	.44	.44	.44	.44	.44
Ends.....	.40	.40	.44	.44	.40
SHIFTING PLATES. Number	Four	Seven	One	One	Five
Section and Scantlings	7" x 4 x 3 x .44	7" x 4 x 3 x .44	7" x 4 x 3 x .44	7" x 4 x 3 x .44	7" x 4 x 3 x .44
Material	Steel	Steel	Steel	Steel	Steel
* FORE AND AFTERS. Number	✓	✓	✓	✓	✓
Section and Scantlings	✓	✓	✓	✓	✓
Material	✓	✓	✓	✓	✓
HATCHES Thickness	3"	3"	3"	3"	3"
Remarks.....	h. wood	h. wood	h. wood	h. wood	h. wood

* 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
 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 *204'-3"*

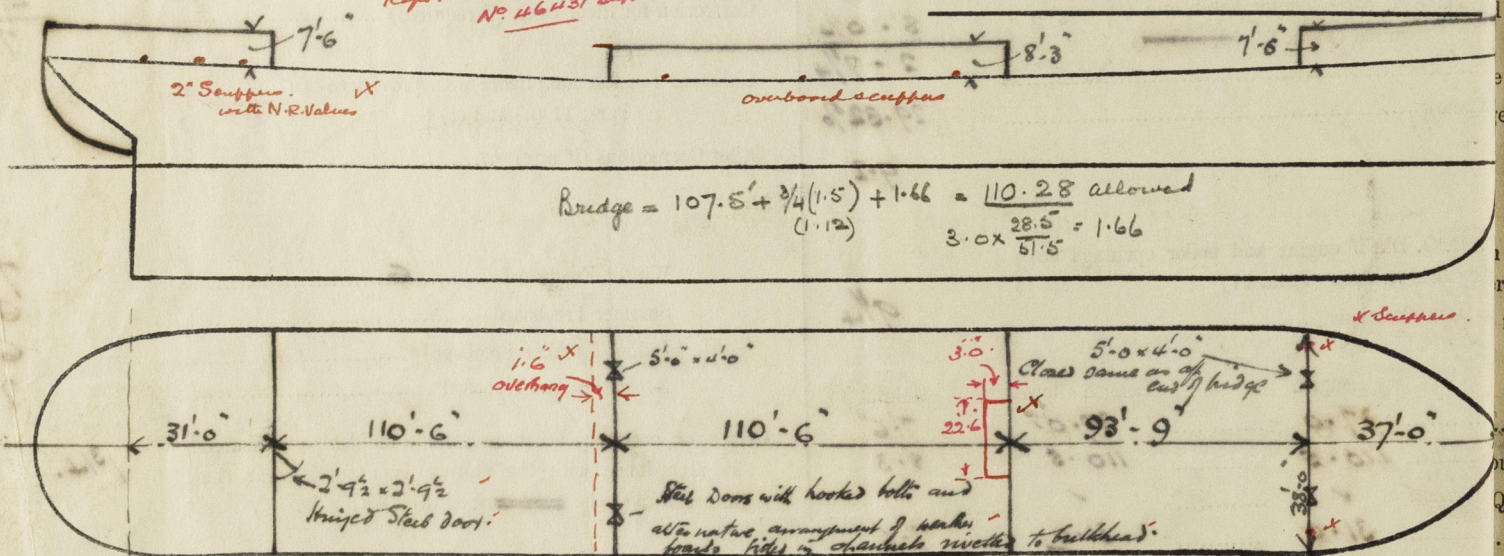
Area of Freeing Ports required by Para. 11 (e) each side of vessel = *21.80* Sq. ft.

Ft. Tenths. Ft. Tenths. No.

Forwd. *320* x *1.5* x *4* x
 aft. *3.0* x *1.5* x *75*

Freeing Ports (each side of vessel) = *18.0* Sq. ft.

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 *No.*

Builder's name and yard number *Barclay Curle & Co No 615.*

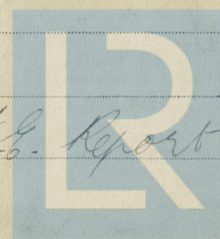
Names of sister vessels *✓*

Owners *Ellerman Lines Ltd.*

Address

Fee £ *12* : *0* : *0*

Received by me *See S.G. Report.*



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