

# Lloyd's Register of Shipping.

## 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 MIDDLESBROUGH  
Date of Survey WHILE BUILDING  
Name of Surveyor J. B. Richter

WITHOUT TONNAGE OPENING IN UPPER DECK

Ship's Name. JAMES CLARK ROSS  
FURNESS S.B. CO. NO. 158  
Number in Register Book

Port of Registry and Nationality. SANDEFJORD  
NORWAY

Official Number. ✓

Gross Tonnage. ✓

Date of Build. 1930

Particulars of Classification. +100 A.I. CARRYING PETROLEUM IN BULK  
LONGITUDINAL FRAMING  
BRACKETLESS SYSTEM

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>535-0</u>	<u>74-0</u>	<u>48-9</u>	<u>15230</u>
Length on LOADLINE.	<u>535-25</u>	Frame Depth <u>12</u> Rule <u>9 1/2</u>	Ceiling <u>+20</u> Sheer <u>+171</u>	Peak <u>146?</u> Tanks <u>146?</u>
CORRECTED DIMENSIONS.	<u>535-25</u>	<u>74-22</u>	<u>49-24</u>	<u>15368</u>

Moulded Depth as measured..... 48-9  
Addition for Keel below base line for draught record..... 3-06 inches.

### CORRECTION FOR LENGTH.

Length of Ship on Loadline..... 535-25  
Length in Table ..... 585-00  
Difference ..... 49-75  
Correction for 10ft., Table A. .... 1-7 Table C. .8  
× Difference divided by 10 ..... 7-9 8-456 (if required.) 3-98  
If  $\frac{1}{10}$ ths length covered divide by 2 -8 1/2 -4

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

Co-efficient of fineness..... .833-78  
Any modification necessary [Para. 4 (a) to (e)]\* Bottom Longlo.  
Co-efficient as corrected ..... 82 ✓

Sheer { Stem..... 35-75 } 39-5 ÷ 2 = 19-75 Mean  
at { Sternpost..... 3-75 }  
Sheer at  $\frac{1}{2}$  of the length from { Stem..... .875 } 1-62 ÷ 2 = .81 Mean  
{ Sternpost..... .75 }  
Gradual mean Sheer ..... PLATTED 187-0-81 ÷ 55-1-47  
Standard mean Sheer [Table, Para. 18] ..... 63-50 46-16 Correction  
Difference..... 11-34 ÷ 4 = 15-40  
§ If limited as Para. 18 (f) ..... +11 1/4

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

Fall in Sheer { Para. 18 (d) } ÷ 2 =  
Length uncovered ..... Correction

### ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... (14-7 3/4 - 3-3)  
Correction for Length, if required (Para. 12, 13, and 14) .....  
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) .....  
Difference ..... 2-10 1/2 4-6  
Percentage as below..... 7-68% 32-41  
2-65 = 1-47

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

Allowance for Deck Erections ..... -2 3/4

	Length.	Length allowed.	Height.
Forecastle.....	<u>105-9</u> + <u>3-0</u> <u>0-4</u>	<u>107-25</u> <u>108-75</u>	<u>8-0</u>
Bridge House.....	<u>24</u>	<u>24</u>	<u>15-5</u>
† Raised Qr. Dk.....			
Poop.....	<u>120-0</u> + <u>18-0</u> <u>0-4</u>	<u>138</u>	<u>8-0</u>
Total .....		<u>107-25</u> <u>270-75</u>	<u>.20</u>

Length of Ship ..... 535-25 = 505  
Corresponding percentage { 32-41 }  
(Para. 11, 12, 13, or 14) 12-8 ×  $\frac{1}{10}$  = 7-68%

FREEBOARD 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 from deck line ..... 19-0  
Summer " " " ..... 18-3 1/2  
Indian Summer " " " ..... 14-7  
N.A. Winter " " " ..... 18-3 1/2  
WOOD (Steel) Deck:— 8 1/2 8 1/2 8 1/2

† 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.



Position.		Nº 1 HATCH FOR ON UPPER DECK.													
Size.		16'-0" x 5'-0"													
COAMING	Height above top of DECK	33 1/2"		18 ROUNDED HATCHES ON EACH SIDE OF BOILERS 3'-8" x 3'-4" 6" CHANNEL CORRUGATED STEEL COVERS . 4											
	Thickness { Sides..... Ends.....	. 44 . 44													
SHIFTING BEAMS OR WEB PLATES.	Number .....	NONE													
	Section and Scantlings .....	NONE													
* FORE AND AFTERS.	Material .....														
	Section and Scantlings .....	NONE													
HATCHES	Thickness .....	3" N.W.													
	Remarks.....	7' x 3' x 4' B.A. STIFF ON AFT END ONLY													

### Strake between Main and Bridge Sheerstrakes?

that do not apply { The arrangements to enable them to get backwards and forwards from their quarters *are, are not* satisfactory. 3.26.97 121 5 168.34

268'

Sq. ft.

## Freeing Ports

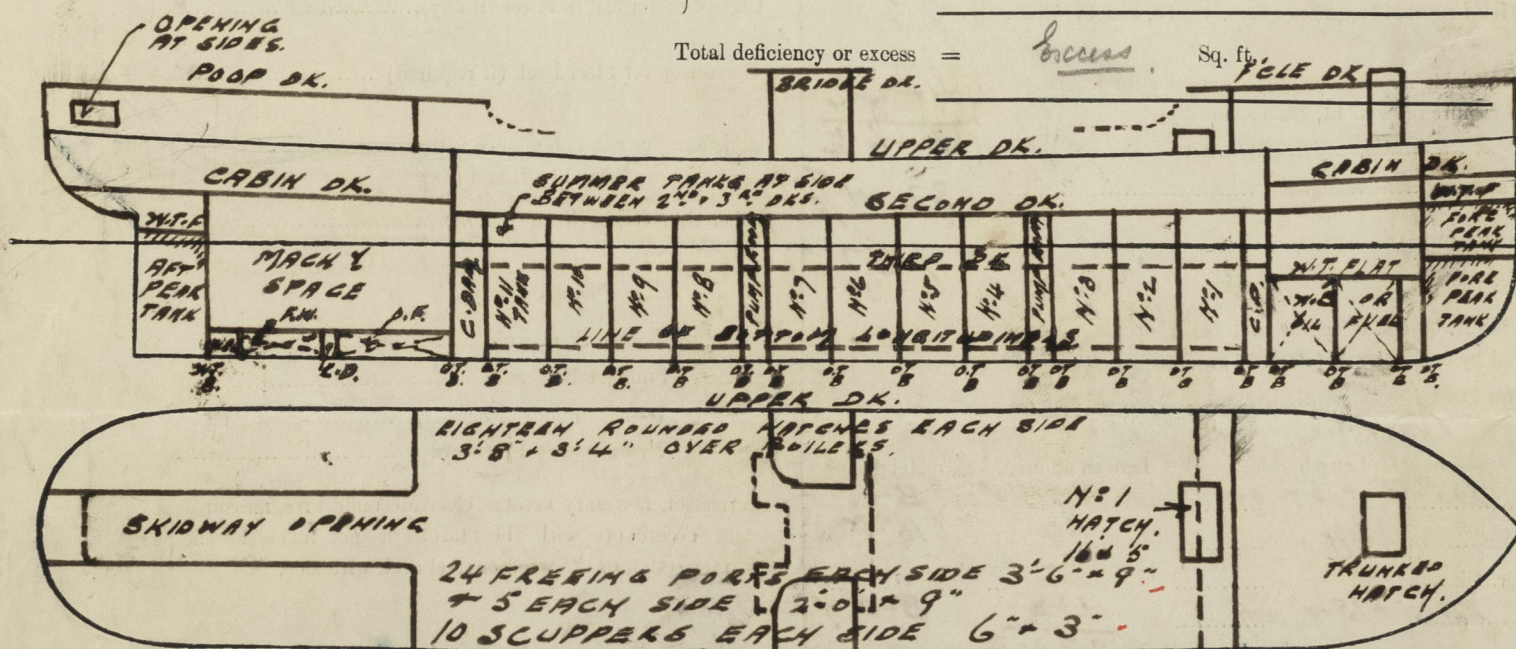
(each side of vessel)

63.0

Sq. ft.

Total deficiency or excess

Sq. ft.



6 - 16" Scupper fitted with storm valves and series down covers are led outboard from the 2<sup>nd</sup> deck.

State any special features in the construction of the Vessel

LONGITUDINAL FRAMING BRACKETLESS SYSTEM  
SCANTLINGS FOR DRAUGHT OF 31'-0" EXTREME

*Builder's name and yard number*

FURNESS S.B. CO. No 158

HEIGHT OF LOWEST SIDE SCUTTLE ABOVE BASE 4.5'-3"

~~Names of sister vessels~~

DISPLACEMENT AT 31'-0" DRAUGHT B.K. 28900 TONS

Owners HYALFANGER

ROSSHAVET

„ Address NORWAY

Fee  $\pm$  15-: 0 -: 0

Received by me

To be charged with D. E.