

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

No 96493.

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 Birkenhead  
Date of Survey while building  
Name of Surveyor E.H. DeanShip's Name. "SULTAN STAR"  
Port of Registry and Nationality. London British.  
Official Number. 161359  
Gross Tonnage. 1930.  
Date of Build. 1930.  
Particulars of Classification. Contemplated 100A.1.Registered Dimensions from Ship's Register.  
LENGTH. 486.1  
BREADTH. 70.25  
DEPTH. 26.65  
UNDER DECK TONNAGE. 9678.65  
Length on LOADLINE. 508'-0"  
Rule 5  
Ceiling Insulation  
Sheer - .63  
Tanks Peak 1 Incl. 4  
Raised Q. D. 45' + 4.5' Tan  
Insulation found +5.2'  
CORRECTED DIMENSIONS. 485.0 69.92 36.02 9688.35Moulded Depth as measured..... 39'-9"  
Addition for Keel below base line  
for draught record..... 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..... 508'-0" 485.0  
Length in Table ..... 477.0  
Difference ..... 8.0  
Correction for 10ft., Table A. .... 1.4 Table C. .8  
× Difference divided by 10 ..... 1.36 (if required.) .64  
If  $\frac{8}{10}$ ths length covered divide by 2 +1 1/4" ✓ + 3/4" ✓

## CORRECTION FOR IRON DECK.

Proportion covered, if less than  $\frac{7}{10}$ ths length covered ..... 3 1/2"  
Thickness of usual wood deck, less stringer ..... - 3 1/2" ✓

## CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 69'-5"  
Round of Beam ..... 10"  
Normal round..... 17.37  
Difference ..... 7.37 ÷ 2 = ..... 3.68  
Proportion of Deck uncovered (Para. 19) ..... .233  
.86 + 3/4" ✓

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

Co-efficient of fineness..... .794  
Any modification necessary } C.D.B  
\* [Para. 4 (a) to (e)] \*  
Co-efficient as corrected ..... .771Sheer { Stem..... 46" } 68" ÷ 2 = 34" ...Mean 35.91  
at { Sternpost .. 22" } 36.122.61  
Sheer at  $\frac{1}{2}$  of the length from { Stem 26 1/2" } 39 1/2" ÷ 2 = 19 3/4" ...Mean 35.91  
Sternpost 13" } allowed. 34.95 ÷ .55 = 35.91  
Gradual mean Sheer ..... 58.50 Correction  
Standard mean Sheer [Table, Para. 18] ..... 23.55 ÷ 4 = 5.88  
Difference..... + 6"  
§ If limited as Para. 18 (f) ..... + 6" ✓Rise in Sheer { At front of bridge house..... 13 1/4"  
from amidships }  
[Para. 18 (e)] { At after end of forecastle ..... 23"Fall in Sheer }  
Para. 18 (d) } ✓ ÷ 2 =  
Length uncovered ..... Correction

## ALLOWANCE FOR DECK ERECTIONS :-

Freeboard, Table C..... (11'-5" - 3'-2 1/2") 8'-2 1/2"  
Correction for Length, if required (Para. 12, 13, and 14) ..... + 3/4"  
Freeboard by Table A, corrected for sheer, and for length, }  
if required (Para. 11, 12, 13, and 14) } 12'-0 1/4"  
Difference ..... 3'-9"  
Percentage as below..... 30%  
13.50Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ✓  
Allowance for Deck Erections ..... - 1'-1 1/2" ✓Length. Length allowed. Height.  
Forecastle..... 71'-11 1/2" 71.96 8'-1"  
Bridge House ..... 299'-9" (see sketch) 299.75 8'-1"  
† Raised Q. Dk. .... ✓  
Poop ..... ✓  
Total ..... 341.71 = .767  
Length of Ship ..... 485.0  
Corresponding percentage } Limited to 30%  
(Para. 11, 12, 13, or 14)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 ..... 10'-8"  
Summer Freeboard (7 1/4" - 8") 7 1/4" 10'-0 1/4"  
Indian Summer Freeboard ..... 9'-4 1/2"  
N.A. Winter Freeboard ..... ✓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. + 1"Winter Freeboard from deck line ..... 10'-9"  
Summer " " " ..... 10'-11 1/4"  
Indian Summer " " " ..... 9'-5 1/2"  
N.A. Winter " " " ..... 10'-1"† 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.



Do all the Frames extend to the top height in the Poop? ☒ Raised Quarter Deck? ☒ Bridge House? *Yes* Forecastle? *Yes* 1b.

To what height do the Reverse Frames extend? *Channel framing.*

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? *Yes*

Give particulars of the means for closing the openings in Bulkhead *no openings.*

What is the thickness of the Bridge Front plating? *.40"* and Coaming plate? *.44"*

Give scantlings and spacing of the Stiffeners. *9 1/2" x 3 1/2" x .54" B.A. spaced 31" apart & 9 1/2" x 3 1/2" x .50" spaced 30" apart*

Are *lugs* ~~bracket~~ plates fitted at each end of the Stiffeners? *Yes* 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? *Strong Hinged Steel doors.*

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, & enclosed by a Strong ~~Iron or Steel~~ 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 the Rules? Give particulars below:— *Yes! as approved*

Position.	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	Intermediate Webs
Size.	18'-4" x 18'-2"	27'-6" x 18'-2"	27'-6" x 18'-2"	27'-6" x 18'-2"	27'-6" x 18'-2"	18'-4" x 18'-2"	9'-1" x 18'-2"	
Height above top of DECK	34"	34"	34"	34"	34"	34"	34"	Plate .36
COAMING Thickness { Sides.....	.44"	.44"	.44"	.44"	.44"	.44"	.44"	1 1/4" Cr.
Ends.....	.44"	.44"	.44"	.44"	.44"	.44"	.44"	8" side
SHIFTING BEAMS OR WEB PLATES.	Deep web 1 off 2 intermediate webs 3 at ho 1	Deep web 2 off 3 intermediate webs 4 at ho 2	Deep web 3 off 4 intermediate webs 5 at ho 3	Deep web 4 off 5 intermediate webs 6 at ho 4	Deep web 5 off 6 intermediate webs 7 at ho 5	Deep web 6 off 7 intermediate webs 8 at ho 6	Deep web 7 off 8 intermediate webs 9 at ho 7	angle 4 x 3 x .44
Section and Scantlings	4" x 6" at Cr.	4" x 6" at Cr.	4" x 6" at Cr.	4" x 6" at Cr.	4" x 6" at Cr.	4" x 6" at Cr.	4" x 6" at Cr.	3 at ho 1
Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	3 at ho 2
* FORE AND AFTERS.								3 at ho 3
Section and Scantlings								3 at ho 4
Material								3 at ho 5
HATCHES Thickness	3"	3"	3"	3"	3"	3"	3"	2 at ho 6
Remarks	W. Pine	W. Pine	W. Pine	W. Pine	W. Pine	W. Pine	W. Pine	none at ho 7

\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases. *See Letter 21/2/20*

(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 keel 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 *42'-0"*

Area of Freeing Ports required by Para. 11 (e) each side of vessel = *10.8* Sq. ft.

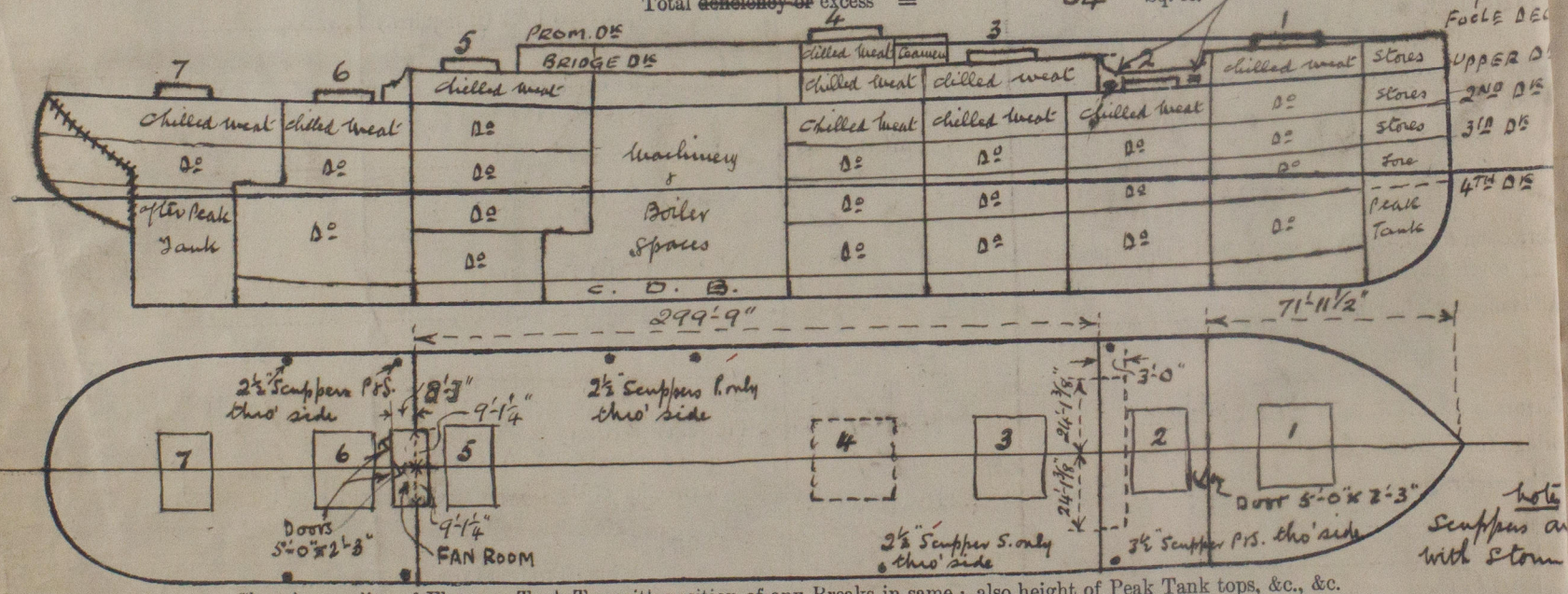
Ft. Tenths. Ft. Tenths. No. } Freeing Ports = *10.84* Sq. ft.

*3 - 33 x 1 - 00 x 2*

(each side of vessel)

Total deficiency or excess = *.04* Sq. ft.

NOTE: *no covering on steel upper Deck*



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

Copies of the approved plans are in the London office.

State any special features in the construction of the Vessel *All spaces for carriage of chilled meat are insulated. Duct keel*

Builder's name and yard number *Messrs. Cammell Laird & Co. Ltd., Birkenhead, No 95.*

Names of sister vessels ☒

Owners *The Blue Star Line (1920), Ltd.*

Address *40, 50, 60, 70, 80, 90, 100, 110, 120, 130, 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540, 550, 560, 570, 580, 590, 600, 610, 620, 630, 640, 650, 660, 670, 680, 690, 700, 710, 720, 730, 740, 750, 760, 770, 780, 790, 800, 810, 820, 830, 840, 850, 860, 870, 880, 890, 900, 910, 920, 930, 940, 950, 960, 970, 980, 990, 1000.*

Fee £ *10* Received by me *[Signature]*