

Ext. Shi. 26fo

WED. 23 NOV. 1921

Index No. 30305
(For London Office only.)

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 GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey Glasgow
Date of Survey While Building
Name of Surveyor R.D. Cairns

"Ship's Name."
S.S. TING SANG
Dunlop Bremen Co. No 346
Number in Register Book 33086
Port of Registry and Nationality.
London
British
Official Number.
146517

Gross Tonnage. ✓
Date of Build. Building
Particulars of Classification. +100 A.1. (contemplated).

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	<u>285.0</u>	<u>42.65</u>	<u>20.0</u>	<u>1860.75</u>
Length on LOADLINE.	<u>285.0</u>	Frame Depth 7 Rule " <u>5 1/2</u> = - .25 1/2	Ceiling + 20 inch <u>hulls only</u> Sheer + .82	Peak Tanks } incl.
CORRECTED DIMENSIONS.	<u>285.0</u>	<u>42.4</u>	<u>21.02</u>	<u>1860.75</u>

Moulded Depth as measured..... 22'-3"
Addition for Keel below base line for draught record..... 2 1/2 inches.

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

Co-efficient of fineness..... .75³
Any modification necessary [Para. 4 (a) to (e)]* } -.02 C.D.B.
Co-efficient as corrected..... .73.71

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	<u>285</u>
Length in Table	<u>267</u>
Difference	<u>18</u>
Correction for 10ft., Table A.	<u>1.2</u>
× Difference divided by 10	<u>2.16</u>
If 1/10ths length covered divide by 2	<u>+1</u>

Sheer { Stem..... 84
at { Sternpost... 45 } $129 \div 2 = 64.5$ Mean
Sheer at 1/3 of the length from { Stem 50.25
Sternpost 24.75 } $75 \div 2 = 37.5$ Mean
Gradual mean Sheer..... 68.18 allowed 66.34 $\div .55 = 68.18$
Standard mean Sheer [Table, Para. 18]..... 38.5 Correction
Difference..... 27.84 $\div 4 = -7$
§ If limited as Para. 18 (f).....

CORRECTION FOR IRON DECK.
Proportion covered, if less than 1/10ths length covered..... 60.568%
Thickness of usual wood deck, less stringer..... 1.2 $\times .622$
2 1/2 Feet sheathing instead of 3 1/2 $- 1 1/2$

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

CORRECTION FOR ROUND OF BEAM.
Breadth at Gunwale amidships..... 42'-6"
Round of Beam..... 10 3/4
Normal round..... 10 7/8 $\times .62$
Difference..... 13 $\div 2 =$ 6.5
Proportion of Deck uncovered (Para. 19)..... 07

Fall in Sheer [Para. 18 (d)] $\div 2 =$
Length uncovered..... ✓ Correction ✓

Freeboard, Table A.....
Correction for Sheer..... 4 - 5 1/4
- 7
Correction for Length..... 3 - 10 1/2
+ 1
Allowance for Deck Erections..... 3 - 11 1/4
- 10 1/2
Correction for Round of Beam..... ✓
Correction for fall in Sheer (if any)..... ✓
Correction for Iron Deck (if required)..... - 3 1/2
Additions for non-compliance with provisions of Para. 11 (d) and (e) † } 3 - 0 1/4
Other Corrections (if any)..... ✓

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....	<u>1-9 1/4</u>
Correction for Length, if required (Para. 12, 13, and 14).....	<u>3-10 1/2</u>
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14).....	<u>2-11 3/4</u>
Difference.....	<u>40.568%</u>
Percentage as below.....	<u>10.25.04</u>

Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11).....	<u>10 1/4</u>
Allowance for Deck Erections.....	<u>10 1/4</u>
Forecastle.....	Length. <u>38.16</u> Length allowed. <u>38.16</u> Height. <u>7.3</u>
Bridge House.....	Length. <u>104.0</u> Length allowed. <u>101.85</u> Height. <u>7.3</u>
† Raised Qr. Dk.....	✓
Poop.....	Length. <u>32.66</u> Length allowed. <u>32.66</u> Height. <u>7.3</u>
Total.....	<u>172.67</u>
Length of Ship.....	<u>285.0</u> = <u>60.568%</u>
Corresponding percentage (Para. 11, 12, 13, or 14).....	<u>40.568%</u>

Winter Freeboard..... 3 - 0 1/4
Summer Freeboard..... 2 - 7 1/4
Indian Summer Freeboard..... 2 - 5 1/4
N. A. Winter Freeboard..... 3 - 2 1/4
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. + 13 1/4

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—
Fresh Water Line above centre of Disc.....
Indian Summer Line " " ".....
Winter Line below " " ".....
Winter North Atlantic Line " " ".....

Winter Freeboard from deck line..... 3 - 2 1/4
Summer " " "..... 2 - 10 1/4
Indian Summer " " "..... 2 - 7 1/4
N. A. Winter " " "..... 3 - 1 1/4
2 - 10 1/2
5
3 1/2
3 1/2
5 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 line of keel or to the water line. If measured relatively to water line the vessel's draft at survey, and also the usual load draft forward and aft should be reported.

Rpt. 11b.
28818

BT. 001 WRITER

30305

No 17918

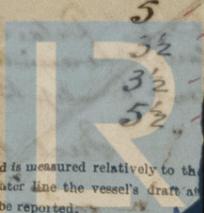
012/24-0728-d20

22-3

10%

3-12

15-2



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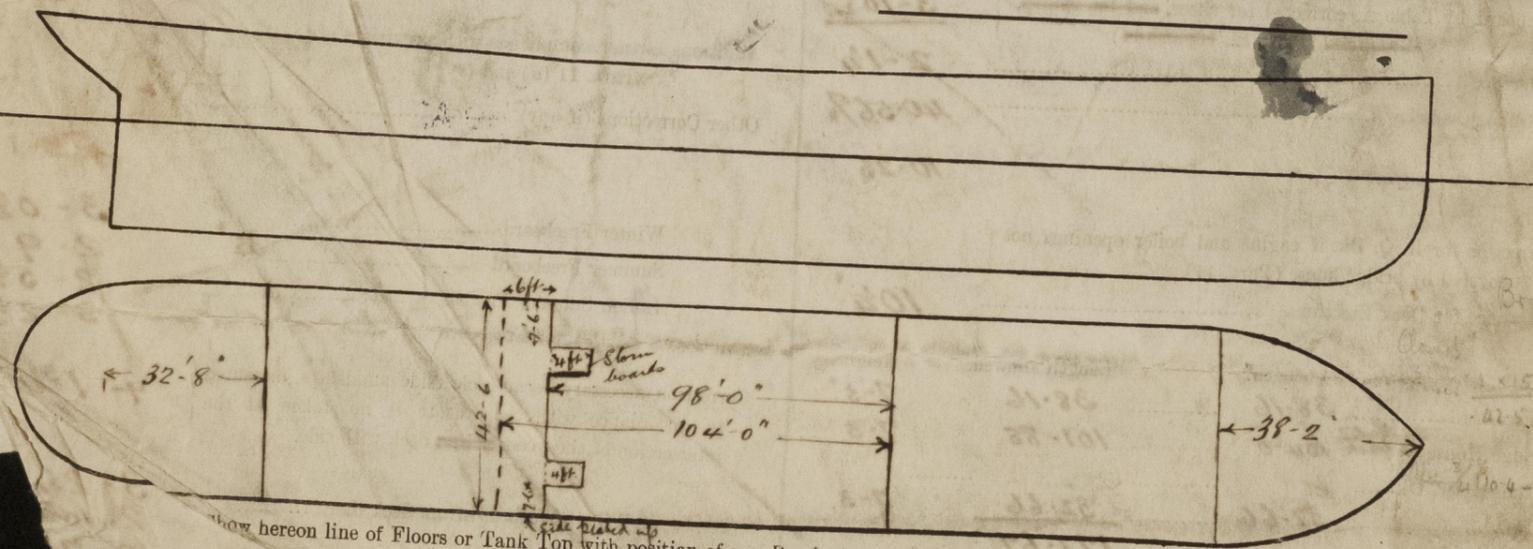
Do all the Frames extend to the top height in the Poop? *Yes* / Raised Quarter Deck? *Yes*
 To what height do the Reverse Frames extend? *Deep Bull angle framing* / Bridge House? *Alt. frame* / Forecastle? *Yes*
 Is the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *Yes*
 Give particulars of the means for closing the openings in Bulkhead *the Deck hinged door 5'-6" x 2ft*
 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 *Two steel hinged W.T. doors 5'-6" x 5'-0"*
 What is the thickness of the Bridge Front plating? *.36* and Coaming plate? *.40*
 Give scantlings and spacing of the Stiffeners *7/8 x 3 x 56 BA & 10 x 3 1/2 x 60 BA. each side of W.T. doors spaced 28" apart*
 Are 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? *Storm board full height in riveted 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? *Covered by strong steel casing on top of Bridge Deck*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *Yes*
 Give thickness of plating; scantlings and spacing of Stiffeners
 What is the height of the exposed Casings? *Yes* / 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*

Position and Size.	No 1 29'-2" x 18'-0"		No 2 32'-0" x 18'-0"		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
	Ship.	Rule.	Ship.	Rule.						
COAMING										
Height above top of DECK	36	36	36	36						
Thickness	Sides	.44	.44	.44						
	Ends	.44	.44	.44						
SHIFTING BEAMS OR WEB PLATES	Number	5	6							
	Section and Scantlings	16x36	16x36							
	Material	Steel	Steel							
* FORE AND AFTERS	Number	None	None							
	Section and Scantlings									
	Material									
HATCHES Thickness	3" W.P.	D°	3" W.P.	D°						
Remarks										

* 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 Bridge Sheerstrake? _____
 Delete the words { The Crew are, are not, berthed in the bridge house. / 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.
 Length of Bulwarks in well _____
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.
 Ft. Tenth. Ft. Tenth. No. } Freeing Ports = _____ Sq. ft.
 (each side of vessel)
 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.
 special features in the construction of the Vessel *This vessel is a sister vessel to the SS. FAU SANG the same*
as 345 G.L. Rpt in 1908 Secy's letter M 30/9/21. Freeboard Request. Plans of Machinery Deck
(and) lower deck under shelter cover. Hull plan showing position & arrangement in way of cargo doors
with Dunlop Breminer & Co. Ltd
 Dress Auch Works Port Glasgow

Received by me *See G.L. Rpt.*

