

EXT

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

10 SEP 1924

Index No. 31418
(For London Office only.)

16, 5' 47"

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 BURNTISLAND.
Date of Survey DURING CONSTRUCTION.
Name of Surveyor Robt. Sheetham.

THE BURNTISLAND S.B.COS. LD. YARD No. 130.

Port of Registry and Nationality.
LONDON.
BRITISH.Official Number.
147731
amalgamated.Gross Tonnage
2475
3Date of Build.
1924.

Particulars of Classification.

+100A1. Contemplated.
(Revised Rules)

Number in Register Book

Registered dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	298.5	44.05	21.2	2255.25
Length on LOADLINE.	297.0	Frame Depth 10' 5"	Ceiling +.20	Peak } incl.
		Rule " 5' 2"	Sheer +.89	Tanks }
		5' 2" = - .79	Ceiling under hatchways at timbers.	
		Spar ceiling fitted.	LEVEL TANK.	
CORRECTED DIMENSIONS.	297.0	43.74	22.29	2255.25

Co-efficient of fineness......79
Any modification necessary [Para. 4 (a) to (e)]* Cell. D. Port. - .02
Co-efficient as corrected......77Sheer { Stem.....96°
at { Sternpost...48°
Sheer at $\frac{1}{2}$ of the length from { Stem
Sternpost.....53°
Gradual mean Sheer.....71.81
Standard mean Sheer [Table, Para. 18].....39.70
Difference.....32.11
§ If limited as Para. 18 (f).....-8°Rise in Sheer { At front of bridge house.....
from amidships { At after end of forecastle.....
[Para. 18 (e)]Fall in Sheer {
Para. 18 (d) {
Length uncovered.....
Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C.....2-13/4
Correction for Length, if required (Para. 12, 13, and 14).....2-23/4
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12, 13, and 14).....4-6
Difference.....2-34/4
Percentage as below.....26.96%
27.03
7.346Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11).....-7 1/4
Allowance for Deck Erections.....

	Length.	Length allowed.	Height.
Forecastle.....	26.00	26.00	7-0
Bridge House.....	78.75	78.75	7-2
† Raised Qr. Dk.....	22.66	22.66	7-0
Poop.....		127.41	
Total.....		297	

Length of Ship.....27.03
Corresponding percentage (Para. 11, 12, 13, and 14).....26.96%FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood Deck:—
Fresh Water Line.....above centre of Disc
Indian Summer Line....." " "
Winter Line.....below " "
Winter North Atlantic Line....." " "11 SEP 1924
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 sternpost. In vessels having poops and forecastles, it means the sheer measured at points distant one-ninth of the vessel's length from stem and sternpost.Moulded Depth as measured.....23-6
Addition for Keel below base line for draught record.....12 1/4 inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....297.00
Length in Table.....282.00
Difference.....15.00
Correction for 10ft., Table A.....1.3
× Difference divided by 10.....1.95
If $\frac{1}{10}$ ths length covered divide by 2.....+2°

CORRECTION FOR IRON DECK.

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

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....42.0
Round of Beam.....10 1/2
Normal round.....10 1/2
Difference.....0
Proportion of Deck uncovered (Para. 19).....572Freeboard, Table A.....5-0
Correction for Sheer.....4-4
Correction for Length.....4-6
Allowance for Deck Erections.....3-10 3/4
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required).....3-9 1/4
Additions for non-compliance with provisions of Para. 11 (d) and (e) †.....
Other Corrections (if any).....Winter Freeboard.....3-9 1/4
Summer Freeboard.....3-5 3/4
Indian Summer Freeboard.....3-2 1/4
N. A. Winter Freeboard.....3-11 1/4Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the steel deck with side.Winter Freeboard from deck line.....3-11
Summer " " ".....3-7 1/2
Indian Summer " " ".....3-4
N. A. Winter " " ".....4-1State 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 angle of the keel at the stem and sternpost, and also the angle of the keel at the bow and aft, should be reported.

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Do all the Frames extend to the top height in the Poop? *Yes.* Raised Quarter Deck? *✓* Bridge House? *Yes.* Forecastle? *Yes.*
 To what height do the Reverse Frames extend? *B. Aug. frames.*
 Has the Poop ~~Raised Quarter~~ Deck an efficient *STEEL* Bulkhead at the fore end? *Yes.*
 Give particulars of the means for closing the openings in Bulkhead *Steel hinged door to Crew's W.C. on Port Side.*
 Is the Poop ~~Raised Quarter~~ Deck connected with the Bridge House? *Yes.* Has the Bridge House an efficient Bulkhead at the fore end? *Yes of Steel.*
 Give particulars of the means for closing the openings in Bulkhead *Opening P+S. 4'-0" x 3'-0" wide, with bolted steel plt. cover. Bolts 4" dia. through door and steel plating.*
 What is the thickness of the Bridge Front plating? *.38* and Coaming plate? *.42*
 Give scantlings and spacing of the Stiffeners *7 1/2" x 3" x 40 B. Augs. not exceeding 30" apart crs.*
 Are bracket plates fitted at each end of the Stiffeners? *Suggested each end.* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *Yes.*
 Has the Bridge House an efficient *STEEL* Bulkhead at the after end? *Yes.*
 How are the openings closed? *Opening P+S. 4'-6" x 3'-0 1/2" wide with weather boards 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? *Open Field.*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Bridge erection.*
 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? *7'-3" above Br. DR.* 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: *See below.*

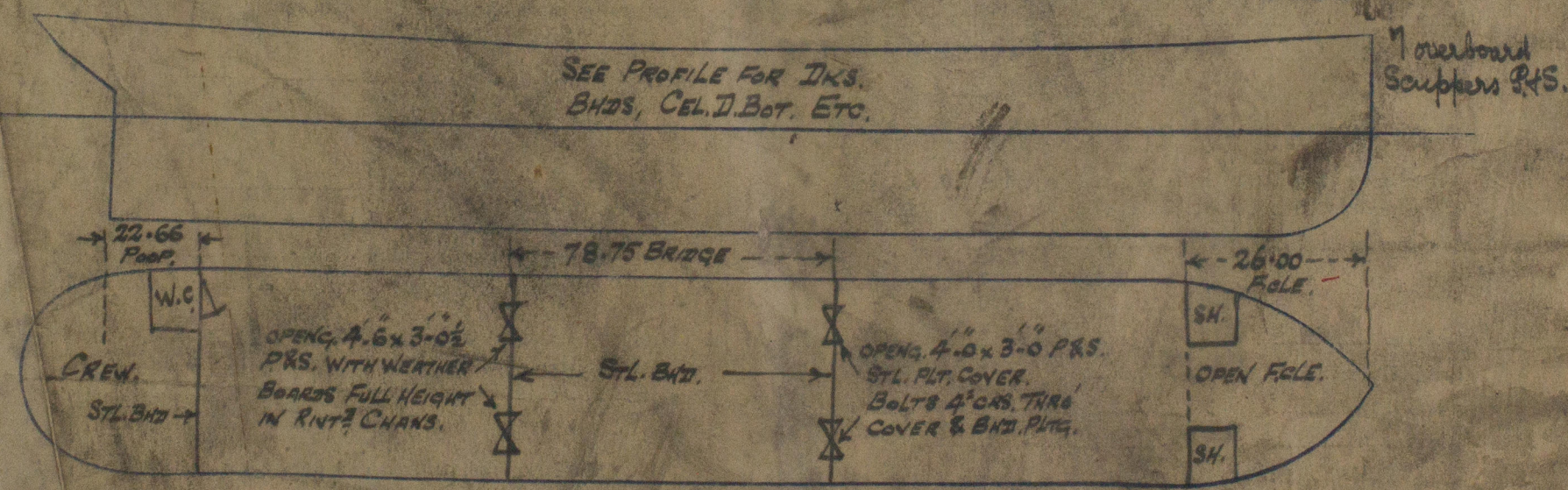
Position and Size.	(1) 27'-0" x 21'-9 1/2"	(2-3-4) 26'-3" x 21'-9 1/2"							
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.
COAMING									
Height above top of DECK	36"		36"						
Thickness									
Sides	.44		.44						
Ends	.44		.44						
HATCHING									
DRAMS OR WEB PLATES									
Number	5		5						
Section and Scantlings	11" x 36" pl.		11" x 36"						
Material	Augs. 4 1/2" x 3" x 45		Augs. 4 1/2" x 3" x 45						
* FORE AND AFTERS									
Number	None.		None.						
Section and Scantlings									
Material									
HATCHES Thickness	2 1/2"		2 1/2"						
Remarks	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 Bridge Sheerstrake? *✓* Strake between Main and Bridge Sheerstrakes? *✓*

Delete the words *The Crew are, ———— berthed in the ———— Poop.*
 that do not apply *The arrangements to enable them to get backwards and forwards from their quarters are, ———— satisfactory.*
 Length of Bulwarks in well *Forward 86'-3", Aft 83'-3", Height 3'-9"*
 Area of Freeing Ports required by Para. 11 (c) each side of vessel = *55.89* Sq. ft.

	Ft.	Tenths.	Ft.	Tenths.	No.
<i>Fore</i>	12	00	x	58	1.
	13	00	x	58	2.
<i>Aft</i>	15	25	x	58	1.
	16	125	x	58	1.

 Total deficiency or excess = *✓* Sq. ft.
6 Freeing Ports (each side of vessel)
4 for Classon only. Approved in Glasgow.



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 *Plans of Midships Section & Profile are forwarded today to London Office with 1st. Entry Rept. of Sister Vessel "Pentraeth". Plan of Freeing Ports forwarded herein, together with Freeboard Request Form.*
 Owners *The Penryn S.S. Co. Ltd.*
 Address *Ballie House Cardiff.*
 Fee £ *7 - 0 - 0* To be charged with 1st. Entry.