

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD - STEAM SHIPS

G.R.K. REPORT No 19115

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 GREENOCK  
Date of Survey WHILE BUILDING  
Name of Surveyor Kenneth Inglis

Ship's Name: **S.S BIBURY**  
Port of Registry and Nationality: **LONDON BRITISH**  
Official Number: **161323**  
Gross Tonnage: **APPROX 5000**  
Date of Build: **NOW BUILDING**  
Particulars of Classification: **+100.A.I. WITH FREEBOARD (CONTEMPLATED)**

Registered dimensions from Ship's Register.	LENGTH. 408	BREADTH. 55.05	DEPTH. 25.9	UNDER DECK TONNAGE. 4377.93
Length on LOADLINE.	404.92	Frame Depth 12 Rule " 6	Ceiling FITTED Sheer -1.237	Peak Tanks INCLUDED
REGISTERED DIMENSIONS.	404.92	54.05	24.72	4377.93

Moulded Depth as measured..... **28'-5"**  
Addition for Keel below base line for draught record... **2/4** inches.

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

Efficient of fineness..... **.8089 .811**  
Modification necessary Para. 4 (a) to (e) \* **-.02 C.D.B**  
Efficient as corrected ..... **.79**

### CORRECTION FOR LENGTH.

Length of Ship on Loadline..... **404.92**  
Length in Table ..... **341**  
Difference ..... **63.92**  
Correction for 10ft., Table A. .... **1.5** Table C.  
× Difference divided by 10 ..... **9.60** (if required.)  
If  $\frac{1}{10}$ ths length covered divide by 2 **4.80**

**RETAIN**

Stem (Stem..... **13 1/2**)  
Sternpost ... **13 1/2** } 27 ÷ 2 = **13 1/2** ... Mean  
Stem at 1/8 of the length from { Stem **3 1/2**  
Sternpost **3 1/2** } 7 ÷ 2 = **3 1/2** ... Mean  
Standard mean Sheer ..... **50.49** Correction **4.9**  
Difference..... **44.19** ÷ 4 = **11.05**  
If limited as Para. 18 (f) ..... **45.99**  
**No sheer on deck below Superstructure Deck** + **11 1/2**

### CORRECTION FOR IRON DECK.

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

### CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... **53.79**  
Round of Beam ..... **13 1/2**  
Normal round..... **13.45**  
Difference ..... **.05** ÷ 2 = **.02**  
Proportion of Deck uncovered (Para. 19) ..... **NIL.**

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

Rise in Sheer { At front of bridge house  
from amidships { Para. 18 (e) } At after end of forecastle  
Fall in Sheer { Para. 18 (d) } ÷ 2 =  
Length uncovered ..... Correction

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

ALLOWANCE FOR DECK ERECTIONS :-  
Table C..... **3-10**  
Correction for Length, if required (Para. 12, 13, and 14) ..... **7-11 1/2**  
Correction by Table A. corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14) ..... **4-1 1/2**  
Total ..... **94.4**  
Correction for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11) ..... **-3-10 3/4**

Winter Freeboard ..... **6'-4-2**  
Summer Freeboard ..... **3-8**  
Indian Summer Freeboard ..... **3-2**  
N. A. Winter Freeboard .....

	Length.	Length allowed.	Height.
Forecastle.....	376.67	376.67	9'-0" Amidships
Bridge House.....	5.00	5.5	
Raised Qr. Dk.....	23.25	23.25	
Total	404.92	399.92	4.0
Length of Ship	404.92	404.92	100%
Corresponding percentage (Para. 11, 12, 13, or 14)	94.4	404.92	99.4

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. **1 3/4**

Winter Freeboard from deck line ..... **4-3 3/4**  
Summer " " " ..... **3-9 3/4**  
Indian Summer " " " ..... **3-3 3/4**  
N. A. Winter " " " .....

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck :-	3'-9 1/2	3'-9 3/4
Fresh Water Line above centre of Disc	7'	7'
Indian Summer Line " " "	6'	6'
Winter Line below " " "	6'	6'
Winter North Atlantic Line " " "	6'	6'

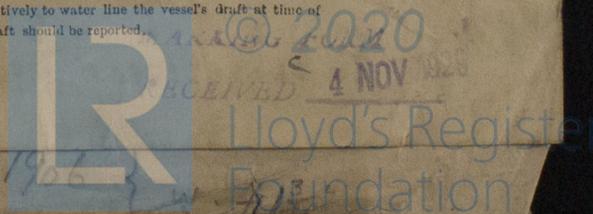
MOULDED DISPLACEMENT AT 85% MOULDED DEPTH = 12150 TONS  
LOAD DISPLACEMENT S.W. = 12,525 : TON PER INCH AT L.W.L. = 45

† 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-eighth of the vessel's length from stem and sternpost.

† 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.

12525 = 6.96  
415 x 40

W343-0014



Do all the Frames extend to the top height in the Poop? **YES** / ~~Raised Quarter Deck?~~ Bridge House: **ALT TO BR.** Forecastle? **YES.**  
 To what height do the Reverse Frames extend? **B.A. FRAMING.**  
 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 **CHANNELS & BOARDS FULL HEIGHT, CHANNELS RIVETED TO BULKHEAD.**  
 Is the Poop ~~or Raised Quarter Deck~~ connected with the Bridge House? **No** Has the Bridge House an efficient Bulkhead at the fore end? **CONNECTED TO F.C.L.**  
 Give particulars of the means for closing the openings in Bulkhead **✓**  
 What is the thickness of the Bridge Front plating? **✓** and Coaming plate? **✓**  
 Give scantlings and spacing of the Stiffeners **✓**  
 Are bracket plates fitted at each end of the Stiffeners? **✓** Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? **✓**  
 Has the Bridge House an efficient Iron Bulkhead at the after end? **YES.**  
 How are the openings closed? **CHANNELS & BOARDS FULL HEIGHT CHANNELS RIVETED TO BULKHEAD**  
 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? **✓**  
 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 BRIDGE Superstructure Deck.**  
 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 Section 28 of the Rules for 1904-5? Give particulars below:— **YES.**

Position and Size.	No 1		No 2		No 3		No 4		No 5	
	SHEL. DK. 27' x 23' Ship.	UPPER DK 27' x 24' Rule.	SHEL. DK. 37' 6" x 23' Ship.	UPPER DK 37' 6" x 24' Rule.	SHEL. DK. 20' x 23' Ship.	UPPER DK 22' 6" x 24' Rule.	SHEL. DK. 15' x 23' Ship.	UPPER DK W. THATCH. Rule.	SHEL. DK. 27' 6" x 23' Ship.	UPPER DK 27' 6" x 24' Rule.
COAMING. Height above top of DECK	30	9"	30	9"	30	9"	30"		30	9"
Thickness	Sides.....	.44	.44	.44	.44	.44	.44		.44	.44
	Ends.....	.44	.40	.44	.40	.44	.40		.44	.40
SHIFTING BEAMS OR WEB PLATES.	Number.....	6	6	9	9	4	3		6	6
	Section and Scantlings.....	16' x 36' 20 3/4' x 38'	20 3/4' x 38'	2 @ 15 3/4' x 36' 7 @ 12 1/2' x 32'	18 1/2' x 37'	12 3/4' x 33'	2 @ 18 1/2' x 37' 1 @ 20' x 38'	12 1/2' x 32'	12 3/4' x 32'	18 1/2' x 37'
	Material.....	5 x 3 x 46 Delete Top & Bot	5 x 3 1/2 x 46 Delete Top & Bot	5 x 3 x 46	5 x 3 1/2 x 46	5 x 3 x 46	5 x 3 1/2 x 46	5 x 3 x 46	5 x 3 x 46	5 x 3 1/2 x 46
FORE AND AFTERS.	Number.....	No 6 SHELTER DK	22' 6" x 23.	30' x 44 COAM	5 WEBS	12 1/2' x 32		5 x 3 x 46		
	Section and Scantlings.....	No 6 UPPER DK	22' 6" x 24.	9' x 40 "	5 "	19 1/4' x 38		5 x 3 1/2 x 46		
	Material.....									
HATCHES Thickness.....	<b>2 1/2" SOLID HATCH COVERS.</b>									
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.

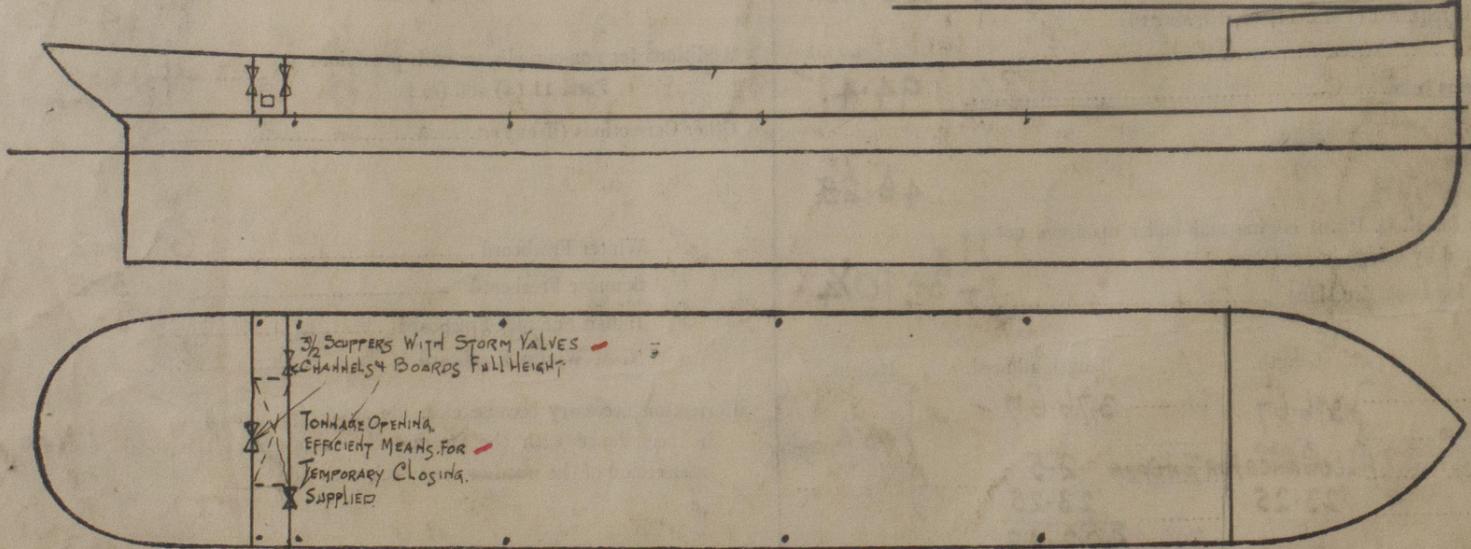
What is the thickness of the Bridge Sheerstrake? **✓** Strake between Main and Bridge Sheerstrakes? **✓**  
 Delete the words **{** The Crew are, are not, berthed in the bridge house.  
 that do not apply **{** The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well **5' 0"**

Area of Freeing Ports required by Para. 11 (e) each side of vessel = **2.** Sq. ft.

Ft. Tenths. Ft. Tenths. No. } Freeing Ports = **4.5** Sq. ft.  
**3. 0** x **1. 5** x **1**  
 } (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.

State any special features in the construction of the Vessel **SHELTER DK WITH ONE TONNAGE OPENING.**

Builder's name and yard number **R. DUNCAN & Co No 393** (APPD PLANS OF MIDSHIP SECTION & PROFILE & DECKS ENCLOSED)

Names of sister vessels **✓**

Owners **ALEXANDER SHIPPING Co LTD**

Address **LONDON.**

Fee £ **8 . 6 . 8** Received by me **Lee J. G. Report.**

To BE RENDERED WITH FIRST ENTRY.



© 2020 Lloyd's Register Foundation  
 FREEBOARD re 45.55 ÷ 12