Rpt. 11b.

Verification Report

Index No. 32801
(For London Office only.)

Lloyd's Register of Shipping.

13333

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

PARTICULARS RELATING TO A ~~STEAM~~ motor SHIP ~~EITHER FLUSH DECKED, OR~~ WITH TOP GALLANT FORECASTLE, ~~SHORT POOP~~ AND BRIDGE HOUSE 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 R Dippie

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
S.S.M. "GULFHAWK" Lord Furness SB6° No 123. Number in Register Book 41039 in Surp.		160712	10848 approx.	1928	✠ 100 A1 Carrying Petroleum in bulk Longitudinal Framing. Bracketless System (Contemplated).

	Length.	Breadth.	Depth.	Under Deck Tonnage.
Registered dimensions from Ship's Register.	511·7	69·5	36·7	10401·08
Length on LOADLINE.	510·0	Frame Depth 11½ (mean) Rule " 8 — 3½ 3½·2÷7 = −·58 no spacing +·33	Ceiling +20 (no) Sheer +·74	Peak Tanks included. Calculated Tonnage between Longitudinals produced and ordinary floors forward and Double Bottom in Engine Room + 143·92 tons
CORRECTED DIMENSIONS.	510·0	69·~~25~~ 33	37·64	10545

Moulded Depth as measured ..... 36'-9"
3 wood deck less stringer
36'-6"

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

Addition for Keel below base line for draught record ..2·86.. inches.

Deck Tonnage to 1885 Rule. Floor and Frames 40·8 ceiling spacing = 10000 tons. Block Coeff. at 85% moulded depth = ·8075

Co-efficient of fineness ..... ·793 $\frac{10000 \times 100}{510 \times 69.5 \times 35.53} = ·794$

Any modification necessary [Para. 4 (a) to (e)]* Bottom Longitudinals.

Co-efficient as corrected ..... ·79

Sheer Hat. for 72·3 amidships, Curved at Ends (see diagram).

Sheer at { Stem ..... 107½ / Sternpost .. 79·0 } 186·5 ÷ 2 = 93·25 ...Mean 36|26·66 ·74

Sheer at ⅛ of the length from { Stem 60·75 / Sternpost 42·5 } 103·25 ÷ 2 = 51·62 ..Mean + ·53 = 52·15

Gradual mean Sheer ..... 87·66 plotted. See diagram

Standard mean Sheer [Table, Para. 18] ..... 61·00

Difference ..... 26·66 ÷ 4 = 6·66 Correction

§ If limited as Para. 18 (f) ..... −6½"

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

¶ Fall in Sheer Para. 18 (d) } ÷ 2 = ✓

Length uncovered ..... Correction

ALLOWANCE FOR DECK ERECTIONS :—

Freeboard, Table C. ..... 10'-~~4~~ 3¾ − 3'-3" = 7'-~~10~~ 10¾

Correction for Length, if required (Para. 12, 13, and 14) ..... +5¾

7'-6¾ ½

Freeboard by Table A. corrected for sheer, and for length, if required (Para. ~~12~~, 13, ~~and 14~~) } 10'-9¾ ½

Difference ..... 3'-3"

Percentage as below ..... 9·56%

= 3·728

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

Allowance for Deck Erections ..... −3¾

	Length.	Length allowed.	Height.
Forecastle	37'-6"	37·5	7'-6"
Bridge House	39'-8"	39·66	7'-6"
† Raised Qr. Dk.	✓		
Poop	✓		
Total		77·16	= 15·1
Length of Ship		510·0	

Corresponding percentage (Para. ~~12~~, 13, ~~and 14~~) } 9·56%

CORRECTION FOR LENGTH.

Length of Ship on Loadline ..... 510'-0"
Length in Table ..... 438'-0"
Difference ..... 72'-0"

Correction for 10ft., Table A. ..... 1·7 Table C. ·8
× Difference divided by 10 ..... 12·24 (if required.) 5·76
If $\frac{6}{10}$ths length covered divide by 2 + 12¼ +5¾

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{7}{10}$ths length covered ..... Moulded depth Corrected
Thickness of usual wood deck, less stringer .....

CORRECTION FOR ROUND OF BEAM.

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

Breadth at Gunwale amidships ..... 69·25
Round of Beam ..... 16·5
Normal round ..... 17·31
Difference ..... ·81 ÷ 2 = ·405 + ¼"
Proportion of Deck uncovered (Para. 19) ..... ·849 ..... ·343

Freeboard, Table A ..... 10'-~~4~~ 3¾"
Correction for Sheer ..... −6½
9'-9½ ¼
Correction for Length ..... + 1'-0¼
10'-9¾ ½
Allowance for Deck Erections ..... − 3¾
10'-~~6~~ 5¾
Correction for Round of Beam ..... + ¼
10'-6¾
Correction for fall in Sheer (if any) ..... ✓
Correction for Iron Deck (if required) allowed in moulded depth
Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡ } .....
Other Corrections (if any) .....

Winter Freeboard ..... 10'-6¾"
Summer Freeboard ..... ~~7"~~ (6½ : 7½) 6¾ ..... 9'-11¼"
Indian Summer Freeboard ..... 9'-~~4~~ 4½
~~N. A. Winter Freeboard~~ ..... ✓

Correction necessary because clearside amidships, measured in accordance with the Statute is not taken at the intersection of the ~~wooden~~ steel deck with side. } 1¾"

Winter Freeboard from deck line ..... 10'-~~8~~ 7¾
Summer " " " " ..... 10'-1"
Indian Summer " " " ..... 9'-6¼
~~N. A. Winter~~ " " " " ..... ✓

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, ~~Wood~~ (Steel) Deck :— 10'-1" ... 10'-1"

Fresh Water Line	above centre of Disc	7¾"	7¾
Indian Summer Line	" " "	7"	6½ 7"
Winter Line	below " "	6½	6½
~~Winter North Atlantic Line~~	" " "		

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* 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 stern-post.

‡ 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.

MARKING FORM
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RETAIN
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Do all the Frames extend to the top height in the Poop? } Raised Quarter Deck? Bridge House? Forecastle?

To what height do the Reverse Frames extend? } Longitudinal 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 Iron hinged W.T. Doors

What is the thickness of the Bridge Front plating? ·44 and Coaming plate? ·48

Give scantlings and spacing of the Stiffeners 10 × 3½ × ·46 BA. N.B.S. spaced 37½" 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? Iron openings fitted with stormboards in riveted channels full height.

Is the Forecastle at least as high as the main or top-gallant rail? 7-6 Has the Forecastle an efficient ~~Iron or Wood~~ steel 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? } Strengthened Deck Houses & Casings

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 (as per approved plans)

Position and Size.	No 1 (Cargo hold) 11·3 × 15·0		Main Oil Cargo Tanks 6·0 × 4·0		Summer Tanks 6·0 × 4·0					
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	2-6		2-6		2-6					
Thickness { Sides	·44		·40		·40					
Thickness { Ends	·44		·40		·40					
SHIFTING BEAMS OR WEB PLATES. Number / Section and Scantlings / Material	✓		✓		✓					
* FORE AND AFTERS. Number / Section and Scantlings / Material	✓		✓		✓					
HATCHES Thickness	Hinged Steel Covers ·50		Hinged Steel Covers ·60		Hinged Steel Covers ·60					
Remarks	Rule 7-3-24 BA Chequered									

* 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?

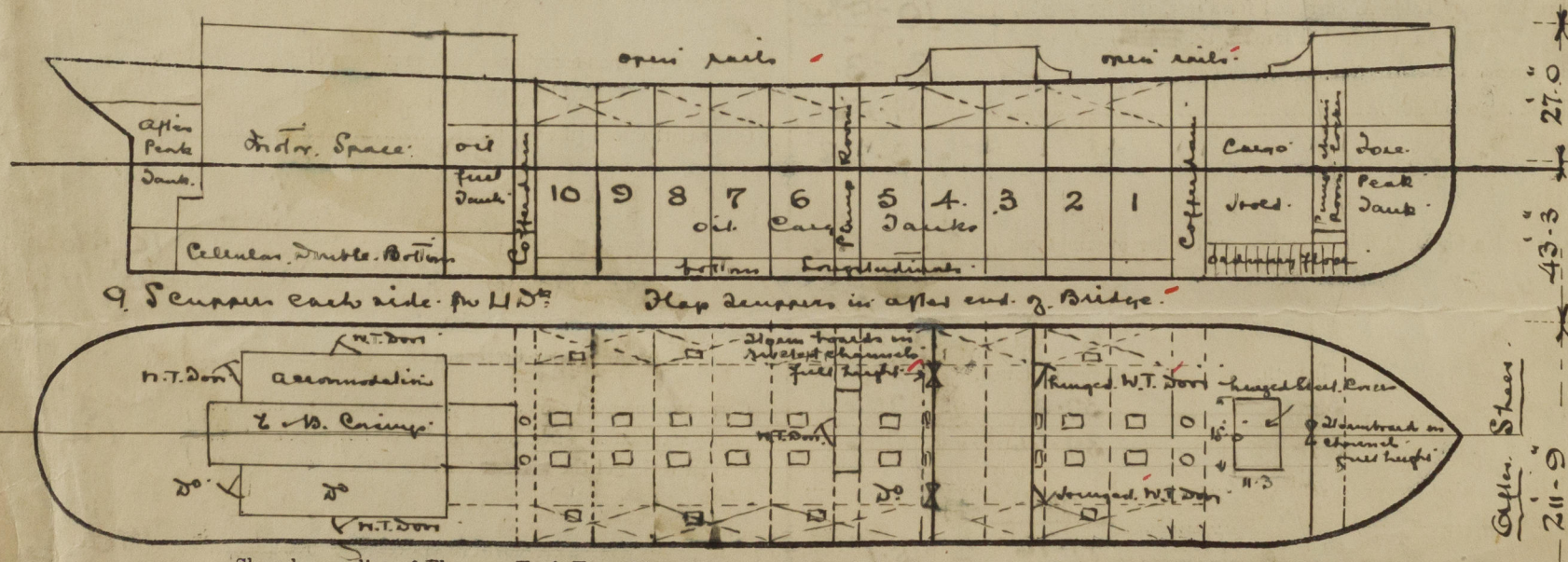
Delete the words that do not apply { The Crew *are, are not,* berthed in the bridge house. / The arrangements to enable them to get backwards and forwards from their quarters *are, are not* satisfactory.

Length of Bulwarks in well open rails

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

Ft.	Tenths.	Ft.	Tenths.	No.			
×		×			Freeing Ports (each side of vessel)	=	Sq. ft.
×		×					

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.

Displacement at 27-0 = 21677 tons. Tons per inch immersion = 72·66

State any special features in the construction of the Vessel This vessel has been built in accordance with the approved plans, copies of which are retained in London office

Builder's name and yard number Carrying Petroleum in bulk, Longitudinal Framing Blackburn System.

Names of sister vessels Sister vessel to S.S. "Gulfbird" Ordn. Freeboard Rpt. No 13297

Builder ~~Owners~~ Messrs Turner, S.B. & E. Yard No 123.

" *Address*

Fee £ 14 : 13 : 4 *Received by me* See F.E. Report

Tests charged with S.E.

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