11b

29 APR 1929

Index No. 33258
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

GLASGOW REPORT No. 49136

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.

RETURN

Port of Survey Glasgow
Date of Survey during Construction
Name of Surveyor Albert Davis

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
INWYVIS" N°414	British	160659		1929	* 100. A. 1. (contemplated)

Number in Register Book

	Length.	Breadth.	Depth.	Under Deck Tonnage.
Registered Dimensions from Ship's Register.	429.0	53.95	30.05	5528.18
Length on Loadline.	426.41	Frame Depth 10 / Rule „ 6 — .58 4/57 Spacing fitted	No Ceiling + .70 / Sheer +1.63 / 1½" drop in tank + .06	Peak } Tanks } Tact. ✓
Corrected Dimensions.	426.41	53.37 28	31.94	5528.18

Moulded Depth as measured..... 32 - 3

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 3/4 ...inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline.....	426.41		
Length in Table	387.00		
Difference	39.41		
Correction for 10ft., Table A.	1.6	Table C.	.8
× Difference divided by 10	6.32	(if required.)	3.16
If 6/10ths length covered divide by 2	+6 1/4"		+3 1/4"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 7/10ths length covered	.519
Thickness of usual wood deck, less stringer	3/2
	— 1 3/4"

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.....	57.5		
Round of Beam	16 1/4		
Normal round.....	13 1/4		
Difference	3	÷ 2 =.....	1.5
Proportion of Deck uncovered (Para. 19)	.475		-.712 — 3/4"

-efficient of fineness..... .762

y modification necessary [Para. 4 (a) to (e)]* } C.D.B

-efficient as corrected ..... .74

eer { Stem..... 141 / Sternpost ... 67 } 208 ✓ ÷ 2 = 104 ✓ ...Mean — 111.36 / 52.64 / 58.72 / 36 = -1.63'

eer at 1/8 of the length from { Stem 82.5 / Sternpost 40 } 122.5 ✓ ÷ 2 = 61.25 ✓ ...Mean

dual mean Sheer ..... 107.68 ÷ .55 = 111.36"

ndard mean Sheer [Table, Para. 18] ..... 52.64 Correction

Difference..... 55.04 ÷ 4 = 13.76

= -1' 1 3/4"

f limited as Para. 18 (f) .....

ise in Sheer m amidships ara. 18 (e)] { At front of bridge house..... / At after end of forecastle ..... ✓

all in Sheer ara. 18 (d) } ÷ 2 = ✓ Correction

gth uncovered .....

ALLOWANCE FOR DECK ERECTIONS :—

board, Table C.....	5- 2 3/4	
ection for Length, if required (Para. 12, ~~13, and 14~~).....	+ 3 1/4	
	5- 6	✓
board by Table A. corrected for sheer, and for length, if required (Para. ~~11,~~ 12, ~~13, and 14~~)	4- 8 3/4	✓
erence	2- 2 3/4	✓
entage as below.....	34.07%	✓
	9.09	✓

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

vance for Deck Erections ..... — 9" ✓

	Length.		Length allowed.	Height.
astle.....	44.5	.....	44.86	4-11½
e House	145.25	.....	144.11	"
~~sed Qr. Dk~~.....	✓	.....	✓	..... -
.....	35.0	.....	35.0	"
Total			223.97	= .525
h of Ship			426.41	
sponding percentage ra. ~~11~~, 12, ~~13, or 14~~)	34.0%			

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. ✓

Freeboard, Table A	8- 4 1/4	
Correction for Sheer	— 1 1 3/4	
	4- 2½	
Correction for Length	+ 6 1/4	
	4- 8 3/4	
Allowance for Deck Erections	— 9	
	6- 11 3/4	
Correction for Round of Beam.....	— 3/4	
	6- 11	
Correction for fall in Sheer (if any).....	✓	
Correction for Steel Deck (if required)	— 1 3/4	
	6- 9 1/4	
Additions for non-compliance with provisions of Para. 11 (d) and (e) ‡	✓	
Other Corrections (if any)	—	
Winter Freeboard	6- 9 1/4	
Summer Freeboard ..... (5½-6½) 6	6- 3 1/4	
Indian Summer Freeboard	5- 9 1/4	
~~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.	+	
Winter Freeboard from deck line		
Summer „ „ „ „		
Indian Summer „ „ „ „		
~~N.A.Winter~~ „ „ „ „		

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~~	„ „ „	...

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the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside of ceiling should be reported if possible.

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 stern-post. 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

¶ The Surveyor should stat... line of keel or to the ... survey, and also th...

9m.3.28. T.

Do all the Frames extend to the top height in the Poop? Yes — Raised Quarter Deck? ✓ Bridge House? Alt^a Frame. Forecastle? Yes

To what height do the Reverse Frames extend? ✓

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 2 Hinged Steel doors

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 2 Hinged Steel doors

What is the thickness of the Bridge Front plating? ·40 and Coaming plate? ·44

Give scantlings and spacing of the Stiffeners 10 × 3½ × ·5 B.B. 4/0 30" spacing

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? Shifting boards in riveted channels half height

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 Bridge DK

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

<— — ON BRIDGE — —>

Position and Size.	No 1 - 27·0 × 18·0		No 2 - 31·6 × 18·0		No 3 - 9·0 × 15·0 No 4 - 11·3 × 18·0		No 5 - 31·6 × 15·0		No 6 - 27·0 × 18·0	
Item.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING. Height above top of DECK	30		30		30	30	30		30	
COAMING. Thickness Sides	·44		·44		·44	·44	·44		·44	
COAMING. Thickness Ends	·44		·44		·44	·44	·44		·44	
SHIFTING BEAMS OR WEB PLATES. Number	5		5		1	1	Same as		Same as	
SHIFTING BEAMS OR WEB PLATES. Section and Scantlings	Plate 15 × ·35 Angles TOP 4×3×·44 double BOT 8×3×·44 B.A		Plate 14 × ·36 Angles TOP 4×3×·44 double BOT 8×3×·44 B.A		Plate 11" × ·30 Angles TOP 4×3×·44 double BOT 8×3×·42 B.A	Plate 13½ × ·33 Angles TOP 4×3×·44 double BOT 8×3×·46 B.A	No 2		Same as No 1	
SHIFTING BEAMS OR WEB PLATES. Material	Steel		Steel		Steel	Steel				
* FORE AND AFTERS. Number										
* FORE AND AFTERS. Section and Scantlings										
* FORE AND AFTERS. Material										
HATCHES Thickness	2½		2½		2½		2½		2½	
Remarks	Solid		Solid		Solid		Solid		Solid	

* 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? ..... Freeing Ports 4 in each well Port & Stbd 1·11 × 1·

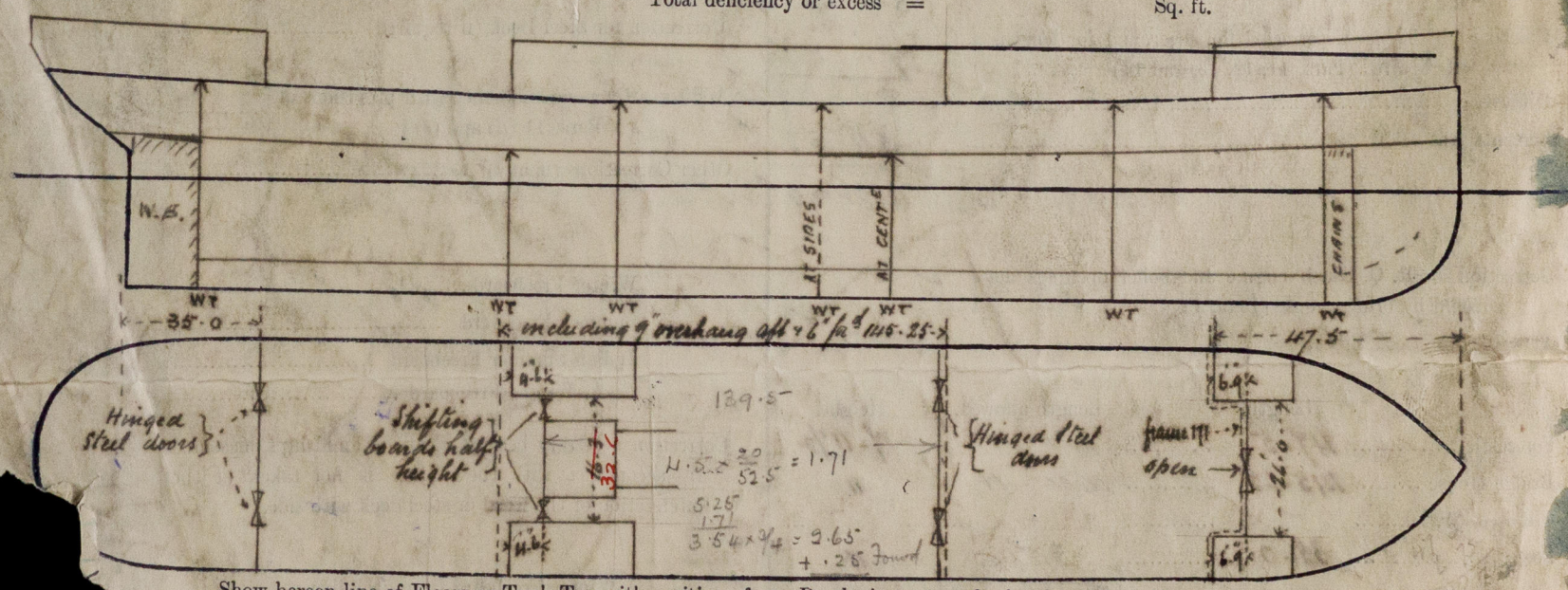
Delete the words that do not apply { The Crew *are*, *are not*, berthed in the bridge house. / The arrangements to enable them to get backwards and forwards from their quarters *are*, *are not* satisfactory } Scuppers Forecastle Space - Pipe Pat and Stbd draining to Well Deck Bridge Space 2 Scuppers Pat & Stbd Fed overboard & fitted with non return valves - Poop Space Pipe with screw cap Pat & Stbd draining to Well DK -

Length of Bulwarks in well 201·3

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

	Ft.	Tenths.		Ft.	Tenths.		No.			
(Actual)	1	·92	×	1	·7	×	8	= 15·8 Sq. ft.	Freeing Ports (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.

...res in the construction of the Vessel Vessel building to 1921-2 Rules - Midship Section Profile and Bilge Plans also request form forwarded herewith

...rd number Chas Connell & Co No 414

... "Benmohr" Glasgow Rept No 47861

...ners Ltd - W. Thomson & Co Managers -

... by me Lee F.E. Report