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Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD. MOTOR STEAM SHIPS.

-7 MAY 1929

Index No.
(For London Office only.)

32793.

N° 95320.

PARTICULARS RELATING TO ~~MOTOR~~ STEAM SHIPS 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 Birkenhead
Date of Survey 30th April & subsequently
Name of Surveyor Clt. Dean.

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
HURLAND CASTLE	British			1929.	100A.1. <i>with freeboard</i> <i>Contemplated</i>

Number in Register Book	Length.	Breadth.	Depth.	Under Deck Tonnage.	
	464.6	60.33	25.85	5727.72	Moulded Depth as measured..... 31'-0" "31'-6"
Registered dimensions from p's Register.	464.6	60.33	25.85	5727.72	NOTE.— If the depth is measured when vessel is afloat, the details of measurement should be reported.
Length on LOADLINE.	450	Frame Depth 12 Rule 7	Underhatches Ceiling + .20 Sheer + .87	Peak 3' incl'd Tanks 3' incl'd Total 18 tons For raised D.B. in mачy. Space + 97 tons	Addition for Keel below base line for draught record..... inches.
WORRECTED DIMENSIONS.	450.0	59.50	29.69	5806.72	

Co-efficient of fineness.....	731	Co-efficient as corrected	71
Any modification necessary [Para. 4 (a) to (e)]*	C.D.B		
Co-efficient of fineness.....	731		
Sheer { Stem 114 } 168 ÷ 2 = 84 Mean 86.36			
{ Sternpost 54 }	55.00		
Sheer at $\frac{1}{2}$ of the length from Stem 64½ } 95 ÷ 2 = 47.5 Mean 86.36			
Sternpost 30½ }	55.18		
Gradual mean Sheer	85.18 ÷ 55. 86.36		
Standard mean Sheer [Table, Para. 18]	55.00 Correction		
Difference.....	30.18 ÷ 4 = 7.54		
If limited as Para. 18 (f)	- 7½		

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

ALLOWANCE FOR DECK ERECTIONS :	
Freeboard, Table C.....	4'-10"
Correction for Length, if required (Para. 12, 13, and 14)	
Freeboard by Table A. corrected for sheer, and for length, if required (Para. 11, 12, 13, and 14)	4'-8½"
Difference	2'-5½"
Percentage as below.....	94.3%
Corrections for R. Q. Dk. if engine and boiler openings not covered by bridge house (Para. 11)	- 2'-3½"
Allowance for Deck Erections	27.82

Length.	Length allowed.	Height.
Forecastle.....	41' 7" 41' 7" 41' 7" 41' 7"	8' 0" 8' 0" 8' 0" 8' 0"
Bridge House	41' 0" 41' 0" 41' 0" 41' 0"	8' 6" 8' 6" 8' 6" 8' 6"
Smoke opening 5'-6"		8' 6" 8' 6" 8' 6" 8' 6"
Pop.....	27' 6"	8' 6" 8' 6" 8' 6" 8' 6"
Total	44' 3.57	8' 6" 8' 6" 8' 6" 8' 6"
Length of Ship	3.21 = 1/2 diff	
Corresponding percentage (Para. 11, 12, 13, or 14)	94.3%	44' 6.78 = .993
REEBORD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck	450.0	
Fresh Water Line	above centre of Disc	
Indian Summer Line	" " "	
Winter Line	below " "	
Winter North Atlantic Line	" "	

* 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 full-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 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.

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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 ?		Bulb Angle Framing.				yes	
Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end ?		Yes	Yes				
Give particulars of the means for closing the openings in Bulkhead		No Openings					
Is the Poop or Raised Quarter Deck connected with the Bridge House ?	✓			Has the Bridge House an efficient Bulkhead at the fore end ?	✓		
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 ?		By weather boards in riveted channels to full height steel					
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, & enclosed by a Strong Iron or Steel Deckhouse ?	above		Yes			Yes	
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		Plating .32". stiffener 4 1/2" x 3" x 3 1/4" spaced 4'-0" apart					
What is the height of the exposed Casings ?	8'-0"			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		Yes	

* 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 Moored length) and 13 (over 15 feet Moored length).

What is the thickness of the Bridge Sheerstrake?

Strake between Main and Rail. The

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.

Length of Bulwarks in well

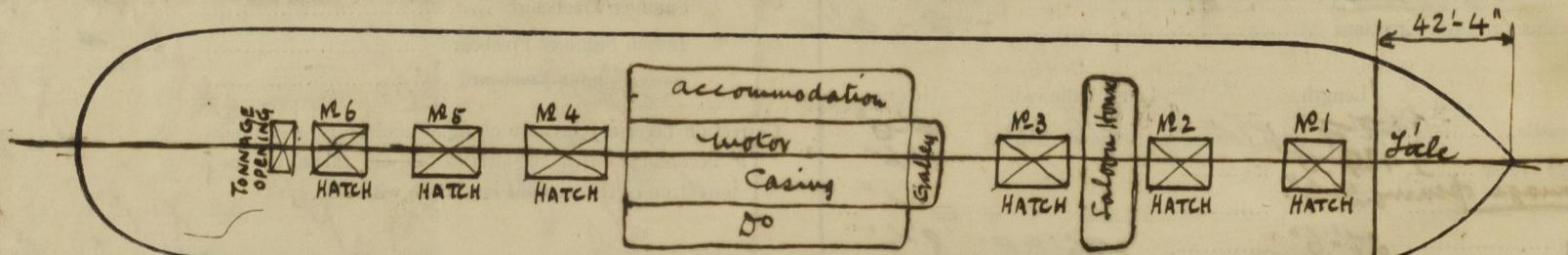
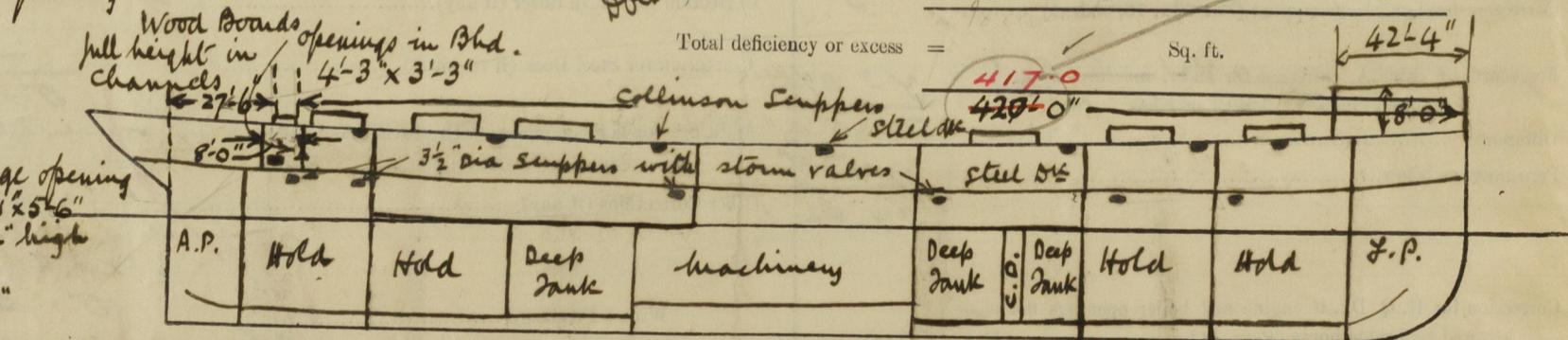
Length of Bulwarks in well *open bars*
Area of Engine Room required by Rule 55 (c) and (d)

Sq. ft.

Efficient temporary
corros are fitted to
trommel opening

Wood Boards full height in Chancery openings in Blvd. 4'-3" x 3'-3"

Luggage opening
Hatch 19'-11" x 5'-6"
Coaming 12" high
Leeing Port
2L-2" x 1L-3"



Show horizon line of Floors on Tank Tops with position of Pumping Station.

State any special features in the construction of the Vessel ~~Copies of all approved plans are in~~ See page 1

Builder's name and yard number. *Wren Campbell Ltd. Ltd. 1*

Names of sister words

Owners Lancashire Shipping Co. Ltd.

" Address 388 King Street, Liverpool.

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Received by me

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