

LLOYD'S REGISTER OF SHIPPING  
SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, ~~SAILING SHIP~~, TANKER)

Ship's Name <b>HYRSHIRE</b>	Official Number	Nationality and Port of Registry <b>BRITISH GLASGOW</b>	Gross Tonnage	Date of Build <b>1957</b>
Moulded Dimensions: Length <b>497'-0"</b> Breadth <b>69'-0"</b> Depth <b>41'-7" TO UPPER DK 33'-0 3/4" TO SECOND DK.</b>				
Freeboard Length <b>497.875</b>				
Moulded displacement at moulded draught = 85 per cent. of moulded depth <b>24244</b> tons (excluding bossing)				
Coefficient of fineness for use with Tables <b>.699</b>				

Port of Survey <b>GREENOCK.</b>
Date of Survey <b>DURING CONSTRUCTION</b>
Surveyor's Signature <i>Alfred S. Marshall</i>
Particulars of Classification <b>+ 100 H.I.</b>

<b>DEPTH FOR FREEBOARD (D).</b> Moulded depth <b>(41'-7")</b> ... <b>41.583'</b> Stringer plate <b>(1'-19")</b> ... <b>.099'</b> Wood Sheathing on exposed deck $T \left( \frac{L-S}{L} \right) = \text{NONE.}$ Depth for Freeboard (D) =	<b>DEPTH CORRECTION.</b> (a) Where D is greater than Table depth (D-Table depth) R = (b) Where D is less than Table depth (if allowed) (Table depth-D) R = If restricted by superstructures	<b>ROUND OF BEAM CORRECTION.</b> Moulded Breadth (B) <b>69.00'</b> Standard Round of Beam = $\frac{B \times 12}{50} =$ Ship's Round of Beam = <b>17.25'</b> Difference Restricted to Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left( 1 - \frac{S_1}{L} \right) =$
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed <i>SEE SKETCH, OVER</i>			<b>8'-0"</b>		
" overhang "			<b>8'-0"</b>		
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed <i>SEE SKETCH, OVER</i>			<b>8'-3"</b>		
" overhang "			<b>8'-3"</b>		
Trunk aft					
" forward					
Tonnage opening aft					
" forward					
Total					

Standard Height of Superstructure	
" " R.Q.D.	
Deduction for complete superstructure	
Percentage covered $\frac{S}{L} =$	
" $\frac{S_1}{L} =$	
" $\frac{E}{L} =$	
Percentage from Table, Line A. (corrected for absence of forecastle (if required))	
Percentage from Table, Line B. (corrected for absence of forecastle (if required))	
Interpolation for bridge less than .2L (if required)	
Deduction =	

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.		1			<b>65.50</b>		1		
1/4 L from A.P.		4			<b>28.89</b>		4		
2/4 L		2			<b>7.32</b>		2		
Amidships	○	4	○	○	○	○	4	○	○
3/4 L from F.P.		2			<b>14.30</b>		2		
1/4 L		4			<b>57.88</b>		4		
F.P.		1			<b>130.50</b>		1		
Total									

Mean actual sheer aft	
Mean standard sheer aft	
Mean actual sheer forward	
Mean standard sheer forward	
Length of enclosed superstructure forward of amidships =	
" " aft of " =	

Correction =  $\frac{\text{Difference between sums of products}}{18} \left( .75 - \frac{S}{2L} \right) =$   
If limited on account of midship superstructure.

If limited to maximum allowance of 1 1/2 ins. per 100ft.

<b>Deduction for Tropical Freeboard.</b> <b>Addition for Winter and Winter North Atlantic Freeboard.</b> Ft. Depth to Freeboard Deck = Summer freeboard = Moulded draught (d) = Keel allowance = Extreme draught = Deduction for Tropical freeboard and addition for = Winter freeboard = $\frac{d}{4}$ inches = Addition for Winter North Atlantic Freeboard (if required) =	<b>Deduction for Fresh Water.</b> <i>(SEE OVER)</i> Displacement in salt water at summer load water line $\Delta =$ Tons per inch immersion at summer load water line T = Deduction = $\frac{\Delta}{40 T}$ inches =	<b>TABULAR FREEBOARD</b> corrected for Flush Deck (if required) Correction for coefficient Depth Correction Deduction for superstructures Sheer correction Round of Beam correction Correction for Thickness of Deck amidships Other corrections, scantlings, etc. Summer Freeboard =
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

Tropical Fresh Water Line above Centre of Disc	...	Tropical Fresh Water Freeboard	...
Fresh Water Line	"	Fresh Water	"
Tropical Line	"	Tropical	"
Winter Line	below	Winter	"
Winter North Atlantic Line	"	Winter North Atlantic	"

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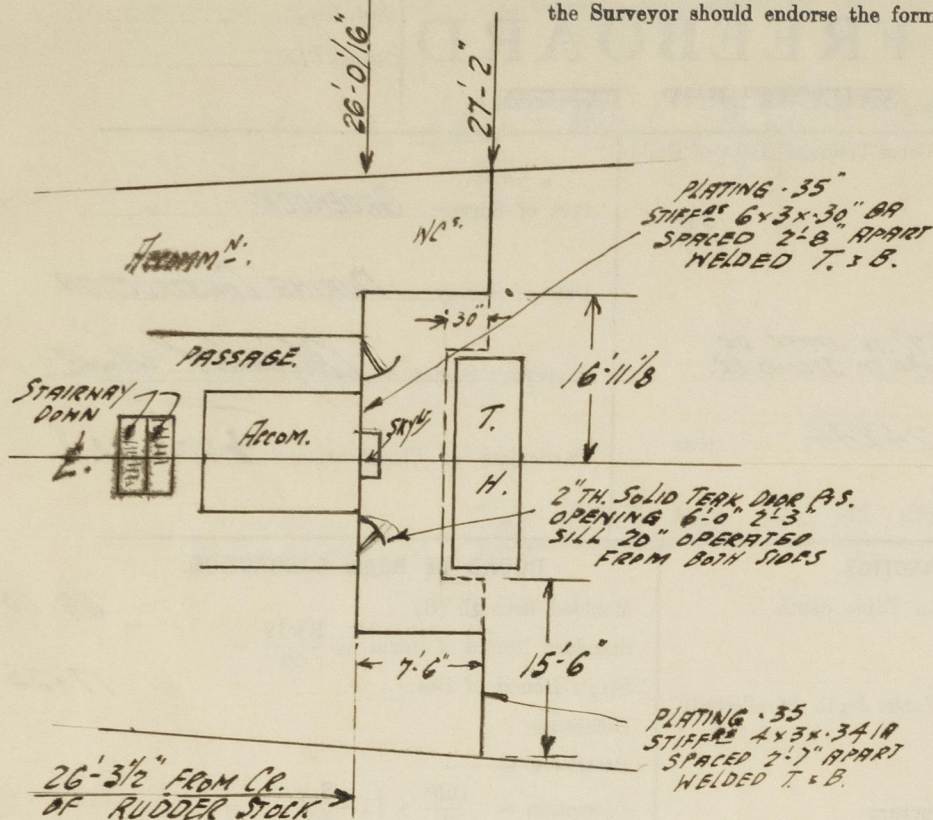
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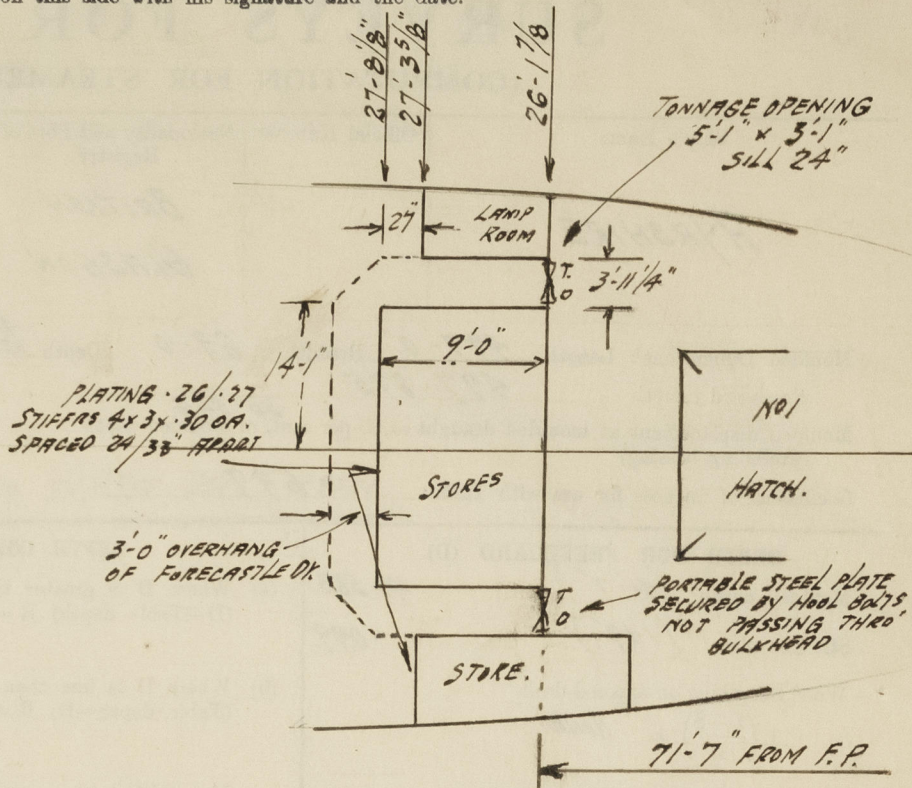


# Argyllshire

A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.



POOP FRONT  
HEIGHT OF TWEEN DECK. 8'-0" B.T.O.B.



FORECASTLE FRONT.  
HEIGHT OF TWEEN DECK. 8'-3" B.T.O.B.

EXT. DRAFT	FULL DISP.	T.P.I.
33'-0"	22470	67.90
32'-0"	21650	67.36
31'-0"	20840	66.80
30'-0"	20040	66.20

THIS VESSEL WILL SAIL AS OPEN SHELTER DECK VESSEL

Trade of ship INTERNATIONAL.

Names of sister ships "ARGYLLSHIRE" NO 486 GREENOCK RPT NO. 25720.

Builder's name and yard number GREENOCK DOCKYARD CO., LTD. YARD NO. 488.

Owners THE CLAN LINE STEAMERS LTD.

Fee £           

List of plans forwarded for reference. (See "Instructions to Surveyors, Part 4, 1950," paragraph 11.)

PROFILE & DECKS.  
MIDSHIP SECTION.



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