

253'-0" x 43'-1" x 20'-0 1/2"

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

1514

STEAMER, ~~TANKER~~, SAILED: "*JUDGE KENEFFICK*" S.S. ~~WITH~~ WITHOUT TIMBER DECK CARGO
 Nationality *British* Builders' Name and No. of Ship *Earle's S. & E. Co. Ltd*
 Port of Registry *St. Catharines Ont.* TORONTO No 64Y
 Official Number *148430* Owners *Eastern Steamship Co. Ltd*
Upper Lakes & St. Lawrence Trans. Co. Ltd.
 Gross Tonnage *1745*
 Date of Build *3/1925* Port and Date of Survey *St. Catharines, Ont. 13/4/37*
 Name of Surveyor *E. Russell Macmillan*
 Particulars of Classification *B.S. * [Great Lakes & Limited Gulf of St. Lawrence Service]* Names of Sister Ships *"JOHN A. HOLLOWAY", "SHELTON WOOD" etc*
 Type of Superstructures
 Trade of Ship *Forecastle (Sunk)*

Service Endorsement if any *and only so long as the ship is employed in Great Lakes and Limited Gulf of St. Lawrence Service*

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....wood.....steel)		
TROPICAL FRESH WATER LINE above centre of disc	—	Corresponding Freeboard —
FRESH WATER LINE	" " " 4"	" "
TROPICAL LINE	" " " 4"	" "
WINTER LINE	below " " 4"	" "
WINTER NORTH ATLANTIC LINE	" " "	" "

SUMMER TIMBER FREEBOARD recommended amidships from top of deck line		
TROPICAL FRESH WATER Timber line above L.S.		Corresponding Freeboard
FRESH WATER	" " " "	" "
TROPICAL	" " " "	" "
WINTER	" " below "	" "
WINTER NORTH ATLANTIC	" " " "	" "

Number of years recommended for load line certificate

The scantlings and protective arrangements being in accordance with the Load Line Rules it is submitted that the freeboards be assigned

[Signature] Chief Surveyor

Passed at a meeting of the Committee of Management of the British Corporation Register of Shipping and Aircraft

on the *14th* December 1938



The Freeboard Report has been compared with the
approved plans and found in order.



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Lloyd's Register
Foundation

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For COMPUTATION JEE
"SHIRLEY G. TAYLOR." No. 1511
COMPUTATION OF FREEBOARD

Length on summer load line 253'-0" Moulded Breadth 43'-1" Moulded Depth 20'-0 1/2" Depth of Keel
Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 4440 Tons
Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times .85} =$
Displacement and tons per inch immersion in salt water at summer load line
Moulded depth Deduction for Fresh Water $\frac{\Delta}{40T} =$ inches
Stringer Plate Round of Beam Correction
Sheathing on exposed deck T $(\frac{L-S}{L})$ Ships Round of Beam inches
Rise of floor (in sailers) Standard Round of Beam $\frac{B \times 12}{50}$
Depth for Freeboard (D) Difference
Table Depth Restricted to
Depth Correction Correction $\frac{\text{Difference}}{4} \times (1 - \frac{E}{L}) =$
If restricted by superstructures

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop	20.75					
Raised Quarter Deck						
Bridge		F				
		A				
Forecastle	35.25		7-0 (Bulk)			
Trunk Aft			2-0			
" Forward			5-0			
Tonnage Opening Aft						
" Forward	20.75					
Totals						

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product	Mean Actual sheer aft =	" Standard " "
A.P.	20.75			1			
1/2 L from A.P.				4			
1/2 L from A.P.				2			
Amidships				4			
1/2 L from F.P.				2			
1/2 L " "				4			
F.P.	20.75			1			
				18			
Effective Mean Sheer							
Standard " "							
Difference							

TABULAR FREEBOARD corrected for flush deck if required =

Correction for co-efficient =

	+	-
Depth correction		
Deduction for superstructures		
Sheer correction		
Round of Beam correction		
Correction for thickness of deck amidships		
Other corrections, scantlings, etc.		

Depth to Freeboard Deck in feet

Summer Freeboard in feet

Moulded Draught (d)

Addition for Keel

Extreme draught

Deduction for Tropical and addition for Winter freeboard d/4 = ins.

Addition for Winter North Atlantic (if required) = ins.

Deduction for Tropical Timber Freeboard $\frac{d}{3}$ = ins.

Addition for Winter " " $\frac{d}{3}$ = ins.

Summer Timber Freeboard in inches = ins.

" " N.A. Timber Freeboard (if required) = ins.

Form LL. 4.D.
THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT
SURVEY FOR FREEBOARD
CONDITIONS OF ASSIGNMENT

SHIPS NAME OFFICIAL NUMBER
Nationality and Port of Registry

PARTICULARS OF SUPERSTRUCTURES, TRUNKS, CASINGS, DECKHOUSES

	Coaming	Plating	Stiffeners	Spacing	End Attachments	No. and size of Openings	Height of Sills	Height of Casings
Poop Bulkhead								
R.Q.D. "								
Bridge Aft Bulkhead								
" Forward "								
Forecastle Bulkhead	3/2x3/2	1/4		30"				
Trunk, Aft								
" Forward								
Exposed Machinery Casings on Freeboard or R.Q. Deck								
Exposed Machinery Casings on superstructure decks								
Machinery Casings within Superstructures not fitted with Cl. 1. closing appliances								
Deckhouses on flush deck ships		5/16	7x3 AA.	30"	none.			

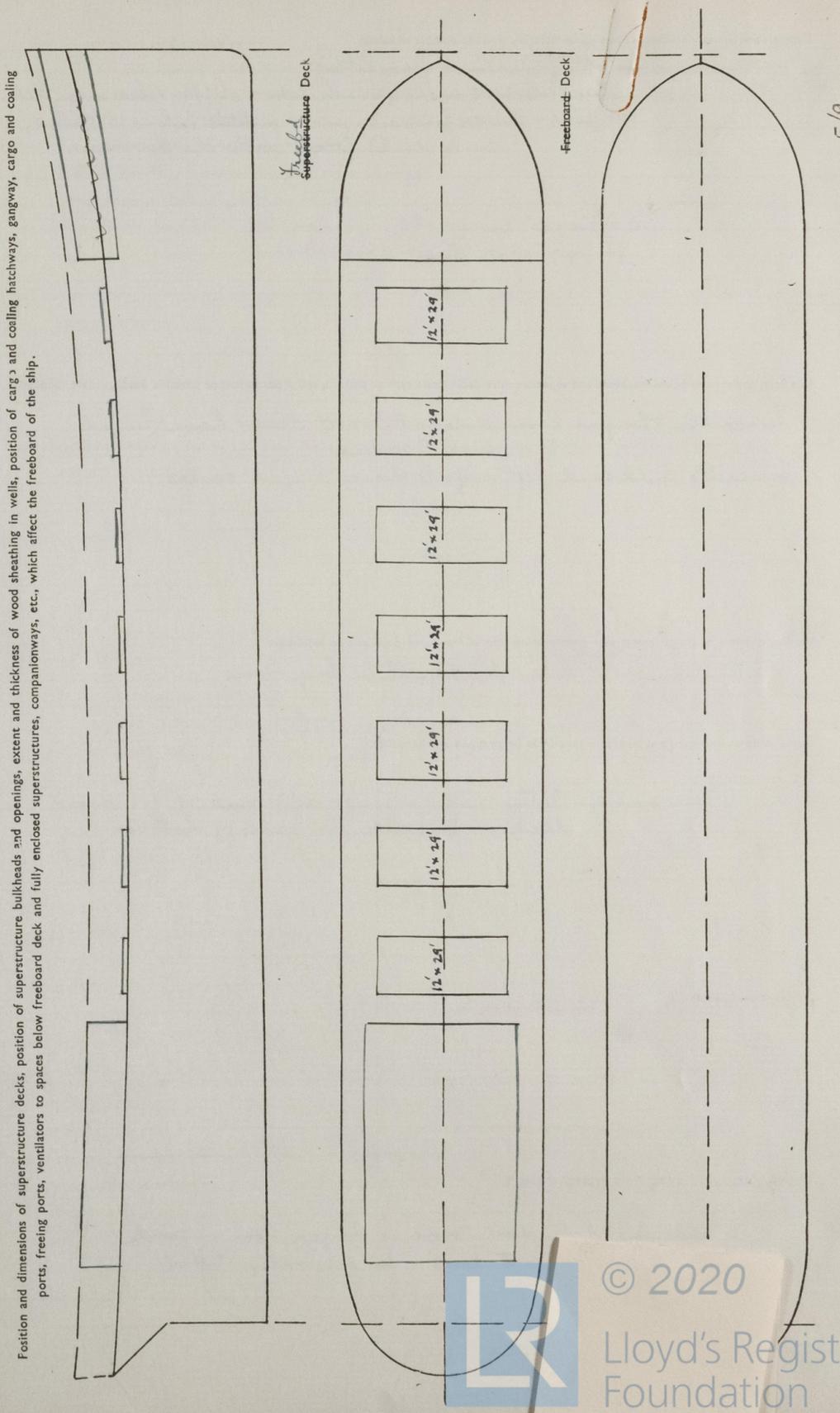
PARTICULARS OF CLOSING APPLIANCES (state if capable of being manipulated from both sides)

Poop Bulkhead	
R.Q.D. "	
Bridge Aft Bulkhead	
" Forward "	
Forecastle Bulkhead	
Exposed Machinery Casings on Freeboard or R.Q. Deck	
Exposed Machinery Casings on superstructure decks	
Machinery Casings within superstructures not fitted with Cl. 1. Closing Appliances	
Deck houses on Flush Deck ships	

1 door - 57" x 24" x 2" solid wood - 14" sill
1 " - 54" x 24" x 1 1/8" covered with 3/32" plate - 14" sill
HINGED STEEL DOORS TO FORECASTLE 14" SILL
Engine casing - inside house - steel.
Ble Room Ent. - Outer door - 58" x 24" x 1/4" steel - 15" sill } steel casing in passageway.
Inner " " " " " " " " }
Ble Room Ent. - Outer " " " " " " " " - 16" " } wood casing in passageway.
Inner " " " " " " " " - 15" " }
No fantail entrance

PARTICULARS OF FREEING ARRANGEMENTS

	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
Afters Well			none (open rails all around)		
Forward Well					
State fore and aft position and height above deck to bottom of port, for each port			After Well		
			Forward Well		
State whether freeing ports are fitted with shutters, bars or rails, and give particulars					
Give particulars of freeing port area, etc., on superstructure decks					



Position and dimensions of superstructure decks, position of superstructure bulkheads and openings, extent and thickness of wood sheathing in wells, position of cargo and coaling ports, freeing ports, ventilators to spaces below freeboard deck and fully enclosed superstructures, companionways, etc., which affect the freeboard of the ship.

PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	1, 2, 3 & 4	5, 6 & 7								
Dimensions of Hatchway	12' x 29'	12' x 29'								
COAMINGS	Height above deck	9 x 3/2 x 44 BA.	12 x 3/2 x 5 BA.							
	Thickness									
	Stiffeners	None								
	Brackets or Stays	None								
HATCH BEAMS	Number	1								
	Spacing	6-0"								
	Scantling and Sketch	7 x 7 wood								
	Bearing Surface and thickness of carriers or sockets	3 x 3 x 3/8								
FORE AND AFTERS	Number	3								
	Spacing	7-3"								
	Unsupported lengths									
	Scantling and Sketch	$\begin{cases} \text{I } 3\frac{1}{2} \times 3\frac{1}{2} \times 6 \\ \text{I } 9 \times 3\frac{1}{2} \times 5 \text{ BA.} \end{cases}$	1 at centre							
	Bearing Surface and thickness of carriers or sockets	3 1/2 x 3 x 1/2								
HATCH COVERS	Material	Wood								
	Thickness	2 3/4"								
	How Fitted	F. & A.								
	Bearing Surface	3" (x 3/2)								
Spacing of Cleats	24									
Number of Tarpaulins	2									

Deck scuttle hatch (one-double) - 18" x 1/2" plate coaming; 2 3/4" wood covers; 2 1/2" rest bars; cleats as reqd.

Hatch Coaming Penalty say 3 1/2" (same as D.B. Hanna.)

Main Hatch Beams

Rule 1/4 @ 7 fms = 35.8

1 @ centre J 1/4 = 16.14

2 @ side I 1/4 = 19

Def approx 50%

Penalty say 10"

Aux Hatch Beams:-

Deficiency similar to "SHELTON WEEO" = 24.6%

Penalty = ???

Securing bars - 4 x 3 x 3/8 angles - 2 athwartship each hatch.

Are tarpaulins in good condition and in accordance with rule requirements?

Yes

Are lashings provided in accordance with rule requirements?

- securing bars fitted.

Are wood ^{beams} fore and afters steel shod at all bearing surfaces?

Yes.

Are battens and wedges efficient and in good condition?

Yes.

6/9

Give full particulars of the following:—

Fiddle, Funnel and Vent Coamings, Engine Room skylight and other openings ^{on deck house} in Machinery Casings ~~top~~ and their means of closing (state height of coamings, type of fiddle covers, and if these are permanently attached in their proper positions)

Fiddles - 2 1/2" coamings - hinged steel covers.
Funnel - 12" coaming.
E & B Vents have high coamings.
Eng. room skylight - steel.
Bunker hatch - 30" coaming: 2 3/4 wood covers 4 ft long;
3" rest bars; cleats @ 24" apart.

Flush Bunker Scuttles on freeboard and superstructure decks (state material, type of joints, etc., and if secured by hinge or permanent chain attachment)

None

Companionways on freeboard and superstructure decks (state material, height of doorway sills, type of doors, and if these can be closed and secured from both sides)

None.

Ventilators in exposed positions on freeboard, raised quarter and superstructure decks to spaces below freeboard decks and fully enclosed superstructures enclosed by Class 1 appliances (state height of steel coamings, pitch of rivets in deck connection, type of closing arrangements)

None (except S.D.M.V. on fore deck)

Airpipes in exposed positions on freeboard, raised quarter and superstructure decks (state height to opening and if satisfactory closing arrangements are provided)

Forecastle deck - 2 N. airpipes - 16" high
Freeboard " " " - 10" "

Scuppers and Sanitary Discharge Pipes (state material, type and number of valves)

Discharges forward (from sink fore-castle)
In fore peak - 1 WC discharge each side - clapper valves on outlets.
No. 1 Hold - One scupper each side - outlets (about 15" below sink deck) fitted with clapper valves.

Side Scuttles to spaces below freeboard and superstructure decks (state type or pattern, and if permanent or portable deadlights are supplied)

Fore-castle & Engine room side scuttles - 10" dia - have hinged metal covers.
Fore-castle Bulkhead - 10" airports have hinged covers.

Vertical distance of sill of lowest side scuttle below top of freeboard deck at side amidships

Sills - about 18" below freeboard in Eng. Room.

Guard Rails on freeboard and superstructure decks (state type and where fitted)

Open rails - 2 tier rod (or wire) all around freeboard deck - portable in way of hatches.

Gangways and Lifelines

Lifelines to be fitted

Gangway, Cargo and Coaling Ports in sides of ship

Gangway door each side in Engine room - good strong W.T. doors - as originally fitted.

SUPPLEMENTARY REQUIREMENTS FOR STEAMER CARRYING TIMBER DECK CARGOES

Do Superstructure and Machinery Casings comply with rules?

Is provision made for protection of steering gear?

Is emergency steering gear provided?

Are efficient sockets and eyes for lashings provided and properly spaced?

State particulars of longitudinal subdivision in double bottom

State particulars of Bulwarks and Rails

Particulars of any Special Features in the construction of the Ship

Endorsement at first survey and at surveys for Renewal of Certificate:—

The fittings and appliances are in accordance with the particulars shown in the form and are in good condition

