

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT SURVEY FOR FREEBOARD

STEAMER, TANKER, SAILER: LAURENTIDE PARK ~~WITH~~ TIMBER DECK CARGO
WITHOUT

Nationality BRITISH Builders' Name and No. of Ship MARINE INDUSTRIES LTD

Port of Registry MONTREAL. QUE. LONDON SOREL QUEBEC. NO 109.

Official Number 173269 Owners MINISTRY OF RECONSTRUCTION & SUPPLY OTTAWA
PARK STEAMSHIP CO LTD MONTREAL
HAMISH G. HENDRY. GLASGOW.
(MISS) M. LEAN GENDRY TO MONTREAL.

Gross Tonnage 7136

Date of Build 28 APRIL 1943. Port and Date of survey SOREL DURING CONSTRUCTION.

Name of Surveyor JAS. H. GREENHAWLEY.

Particulars of Classification B. SX (WITH FREEBOARD) Names of Sister Ships PORT ROYAL PARK, ALGONQUIN PARK etc

Type of Superstructures FLUSH DECK.

Trade of Ship

Service Endorsement if any

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....wood.....steel)

TROPICAL FRESH WATER LINE above centre of disc	<u>13 1/2"</u>	Corresponding Freeboard	<u>10'-6 1/2"</u>
FRESH WATER LINE " " "	<u>7"</u>	" "	<u>9'-5"</u>
TROPICAL LINE " " "	<u>6 1/2"</u>	" "	<u>9'-11 1/2"</u>
WINTER LINE below " "	<u>6 1/2"</u>	" "	<u>10'-0"</u>
WINTER NORTH ATLANTIC LINE " " "		" "	<u>11'-1"</u>

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

DATE OF ISSUE 18-9-43

DATE OF EXPIRY 27-4-48

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

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

on the 6th October 1943

Chief Surveyor

Secretary

011636-011645-0108 1/8

COMPUTATION OF FREEBOARD

Length on summer load line 417'6" Moulded Breadth 56'10 1/2" Moulded Depth 37'4" Depth of Keel 3/4"
Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 16562 Tons
Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times 85} = .7694$
Displacement and tons per inch immersion in salt water at summer load line 13780 @ 48.25 T.P.I.
Moulded depth 37.333 Deduction for Fresh Water $\frac{\Delta}{40 T} = 7.14$ inches
Stringer Plate .64 .052 Round of Beam Correction
Sheathing on exposed deck T $\left(\frac{L-S}{L}\right)$ — Ships Round of Beam 14.00 inches
Rise of floor (in sailers) — Standard Round of Beam $\frac{B \times 12}{50} = 13.65$
Depth for Freeboard (D) 37.385 Difference .35
Table Depth 4/5 27.833 Restricted to
Depth Correction 3 9.552 Correction $\frac{\text{Difference}}{4} \times \left(1 - \frac{E}{L}\right) = .0875 \times 1$
If restricted by superstructures 28.656 = .09 off

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop						
Raised Quarter Deck						
Bridge		F				
		A				
Forecastle						
Trunk Aft						
„ Forward						
Tonnage Opening Aft						
„ „ Forward						
Totals						

Standard Height of Superstructure —
„ „ R.Q.D. —
Percentage covered S/L = —
„ „ E/L = —
„ from Table line A, B, (corrected for absence of forecastle if required)
Percentage from Table by interpolation for Bridge less than .2L if required = —
Deduction = —
Percentage from Table for Tankers (or Timber ships) = —
Deduction = —

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.	54.75	51.75	54.75	1	54.75
1/2 L from A.P.	23.50	23.03	23.50	4	94.00
1/2 L from A.P.	5.75	5.69	5.75	2	11.50
Amidships	—	—	—	4	—
1/2 L from F.P.	11.62	11.38	11.62	2	23.24
1/2 L „ „	46.75	46.06	46.75	4	187.00
F.P.	105.50	103.50	105.50	1	105.50
				18	475.99
Effective Mean Sheer					26.444
Standard „ „ .05L + 5					25.875
Difference					0.569

Mean Actual sheer aft = More Than 1
„ Standard „ „
Mean Actual sheer forward = More Than 1
„ Standard „ „
Length of enclosed superstructure forward of admidships = —
Length of Ship
Length of enclosed superstructure aft of amidships = —
Length of Ship
Sheer Correction = Difference $\times \left(75 - \frac{S}{2L}\right) = .569 \times .75$
= .4268 or 1/2
If limited on account of midship superstructure = —
„ to maximum allowance of 1 1/2 ins. per 100 ft. = —

TABULAR FREEBOARD corrected for flush deck if required = 77 + 6.26 = 83.26

Correction for co-efficient = $\frac{1.4494}{136} = .01066$ = 88.74 DRAUGHTS AND SEASONAL CORRECTIONS

	+	—
Depth correction	28.66	—
Deduction for superstructures	—	—
Sheer correction	—	.43
Round of Beam correction	—	.09
Correction for thickness of deck amidships	—	—
Other corrections, scantlings, etc.	9.62	—
	38.28	.52
		37.76

Summer Freeboard in Inches 10'6 1/2" = 126.50
Additional allowance for superstructures on
Timber carrying ships = —
Summer Timber Freeboard in inches = —

Sailor, Tanker, Steamer Timber
Depth to Freeboard Deck in feet 37.385
Summer Freeboard in feet 10.542
Moulded Draught (d) 34' 5/8" 26.843 (d1)
Addition for Keel .115
Extreme draught (26' 11 1/2") 26.958
Deduction for Tropical and addition for Winter freeboard $d/4 = 6.71$ ins.
Addition for Winter North Atlantic (if required) — ins.
Deduction for Tropical Timber Freeboard $\frac{d}{4}$ = ins.
Addition for Winter „ $\frac{d}{4}$ = ins.
„ „ N.A. Timber Freeboard (if required) = ins.

For Open Shelter Deck For Ship "Port Royal Park"

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THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

CONDITIONS OF ASSIGNMENT

SHIPS NAME

PETITE HERMINE
LAURENTIDE PARK

OFFICIAL NUMBER 173269.

Nationality and Port of Registry

BRITISH
MONTREAL

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	—	—	—	—	—	—	—	—
Trunk, Aft	—	—	—	—	—	—	—	—
„ Forward	—	—	—	—	—	—	—	—
Exposed Machinery Casings on } Freeboard or R.Q. Deck	1 1/32	5/16	3 x 3 x 5/16	30"	BxTs	5 x 2'3"	24'2 1/8"	10'6"
Exposed Machinery Casings on } superstructure decks	—	—	—	—	—	—	—	—
Machinery Casings within Super- structures not fitted with Cl. 1 closing appliances	—	—	—	—	—	—	—	—
Deckhouses on flush deck ships	5/16	5/16	S. 3 x 3 x 5/16 P. 5 x 3 x 5/16	36" 33"	BxTs	5 x 2'0"	24'2 1/8"	4'6"

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. decks	HINGED STEEL DOORS OPERATING BOTH SIDES.
Exposed Machinery Casings on } superstructure decks	—
Machinery Casings within super- structures not fitted with Cl. 1 Closing Appliances	—
Deck houses on Flush Deck ships	HINGED WOOD DOORS (2" THICK) OPERATING BOTH SIDES.

PARTICULARS OF FREEING ARRANGEMENTS

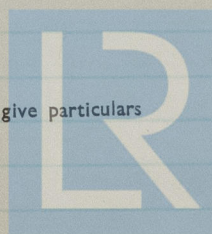
	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
After Well					
On L. DR. Amidships	132'0"	3'6"	1 @ 3'0" x 9" DEEP.	9 sq. ft.	
Forward Well					

State fore and aft position and height above } After Well
deck to bottom of port, for each port }
Forward Well

10'

State whether freeing ports are fitted with shutters, bars or rails, and give particulars

Give particulars of freeing port area, etc., on superstructure decks



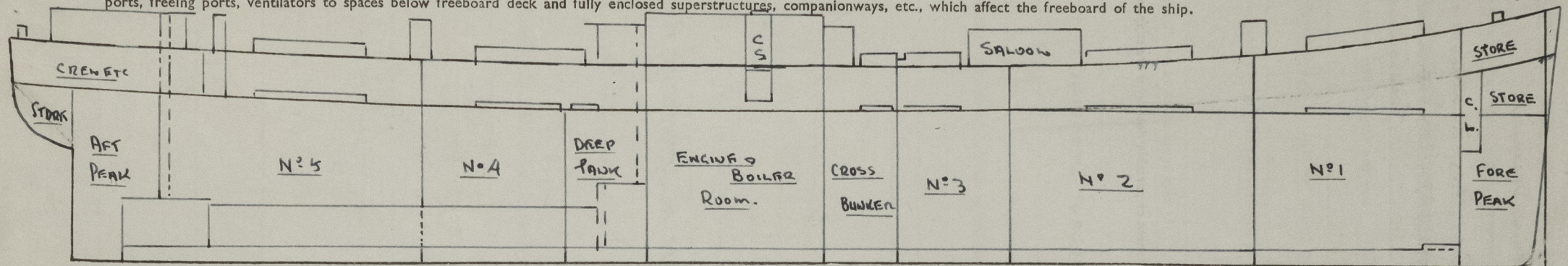
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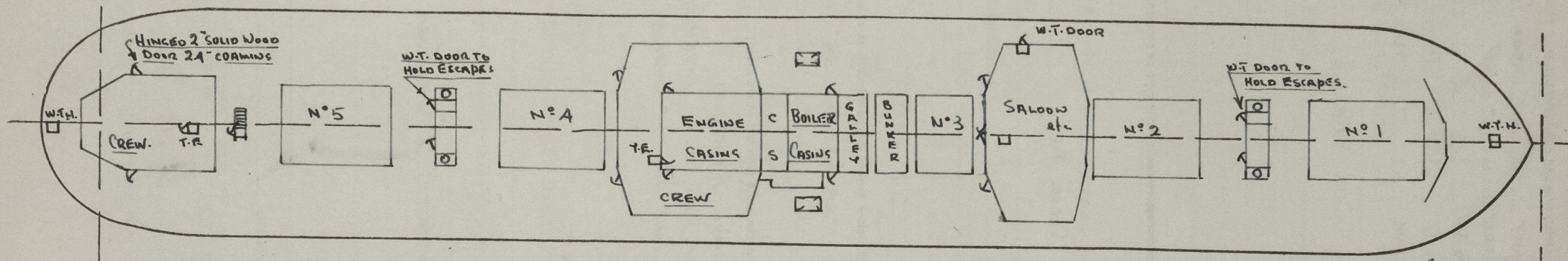
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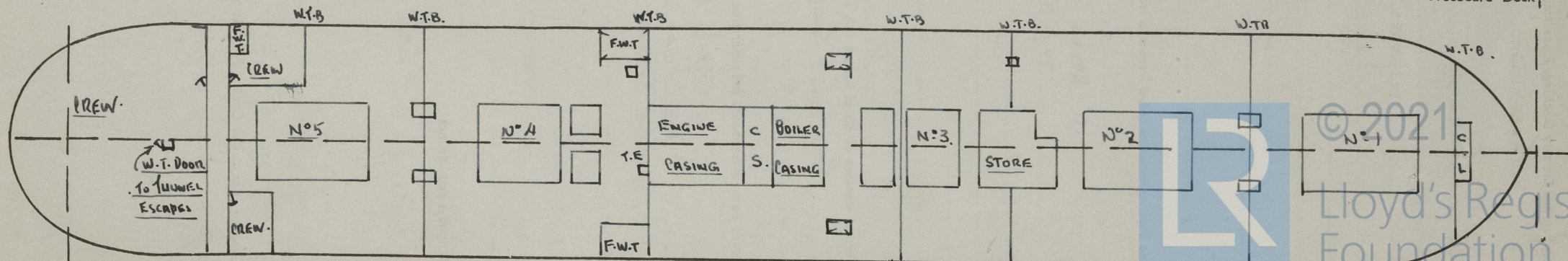
Position and dimensions of superstructure decks, position of superstructure bulkheads and openings, extent and thickness of wood sheathing in wells, position of cargo and coaling hatchways, gangway, cargo and coaling ports, freeing ports, ventilators to spaces below freeboard deck and fully enclosed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



FREEBOARD.
Superstructure Deck



SECOND
Freeboard Deck



TRAINING HATCHES FITTED ON 2ND DECK TO
HOLDS WITH STEEL HINGED COVERS.

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PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	Nº1	Nº2	Nº3	BUNKER	Nº4	Nº5	COAL HATCHES: P-5	W.T. STORE HATCH. FORD.	W.T. STORE HATCH TO STEERING GEAR
Dimensions of Hatchway	33'-9" x 20'-0"	35'-0" x 20'-0"	15'-0" x 20'-0"	8'-0" x 20'-0"	35'-0" x 20'-0"	35'-0" x 20'-0"	7'-2 1/2" x 4'-0"	3'-3" x 2'-6"	1'-9" x 2'-0"
COAMINGS	Height above steel deck	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-6"	2'-0"	2'-0"
	Thickness	7/16 7/16	D.	D.	D.	D.	D.	D.	
	Stiffeners	7 x 3 1/2 x 3/8 A	"	"	"	"	"	"	
	Brackets or Stays	1 1/32	"	"	"	"	"	"	
HATCH BEAMS	Number	5	5	2	5	5			
	Spacing	5'-7 1/2"	5'-10"	4'-7 1/2 5'-10"	5'-10"	5'-10"			
	Scantling and Sketch	18 1/2 x 1 1/32	18 1/2 x 1 1/32	18 1/2 x 5/16	18 1/2 x 1 1/32	18 1/2 x 1 1/32			
	Bearing Surface and thickness of carriers or sockets	5 x 3 x 3/8	D.	D.	D.	D.			
FORE AND AFTERS	Number	/	/	/	/	/			
	Spacing	/	/	/	/	/			
	Unsupported lengths	/	/	/	/	/			
	Scantling and Sketch	/	/	/	/	/			
HATCH COVERS	Bearing Surface and thickness of carriers or sockets	/	/	/	/	/			
	Material	B.C. FIR	As W-1	As W-1	As W-1	As W-1	As W-1	HINGED STEEL	
	Thickness	2 7/8						W.T. COVERS	
	How Fitted	F > A					AMHWARD'SHIP		
	Bearing Surface	3"							
	Spacing of Cleats	24"							
	Number of Tarpaulins	2							

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

YES

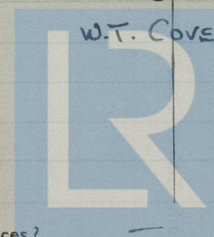
Are lashings provided in accordance with rule requirements?

LOCKING BARS

Are wood fore and afters steel shod at all bearing surfaces?

Are battens and wedges efficient and in good condition?

YES



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Give full particulars of the following :—

Fiddley, Funnel and Vent Coamings, Engine Room skylight and other openings in Machinery Casing tops and their means of closing (state height of coamings, type of fiddley covers, and if these are permanently attached in their proper positions)

E2B CASING TOPS 10' 0" ABOVE W. DECK

E.R. SKYLIGHT, STEEL WITH HINGED STEEL COVERS, PERMANENTLY ATTACHED
FUNNEL SECURED DIRECT TO CASING TOP. SKYLIGHT COAMING BOLTED TO CASING TOP BAR

ESCAPE HATCH TO B.R. 24" x 24" HINGED & ONE TONGUE WORKING BOTH SIDES
ON TOP OF FIDDLER.

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)

STEEL COMPANIONWAY TO CREW AFT 24" COAMING STEEL 2" HARDWOOD DOOR SOLID
WORKING FROM BOTH SIDES.

ENTRANCES IN DECKHOUSE AFT - 24" COAMING, 2" HARDWOOD DOORS SOLID. OPENING BOTH SIDES.
HINGED STEEL W.T. (RUBBER JOINTED & TONGUED) DOORS ON ALL ACCESSES TO TW DECKS
AND HOLDS WORKED FROM BOTH SIDES. DO TO TUNNEL ESCAPE IN T. DECK AFT.
DOOR (DOUBLE HINGED) 2" SOLID HARDWOOD GIVING ACCESS TO PANTRY AT AFT END
OF SALOON HOUSE FITTED WITH PORTABLE WOOD STRONG BACK

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)

W. DECK COAMINGS 36" MIN.

WELDED ABOVE AND BELOW DECK

WOOD PLUGS AND CANVAS COVERS FITTED

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

HEIGHT 36" TO BOTTOM OF BEND ABOVE W. DECK
WOOD PLUGS & CANVAS COVERS FITTED.



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

IN TWEEN DECKS.	PORT	Y	OFF	STORM	VALVES	FROM	DECKHOUSES
	STARBOARD	6	"	"	"	"	"
	P.S.	1	"	"	"	DOUBLE	AFT ACCOMMODATION
	P.S.	1	"	"	"	GEAR TO W.D.K.	FROM REFRIG. CHAMBERS
	T. RUDDER TRUNK	1	"	N.R.	"	"	TRANSOM COMPART.

VALVES BRASS

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

10" BRASS SIDE SCUTTLES C.I. HIJSED PERMANENT DEADLIGHTS
TO CREW SPACE AFT

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

FORE MOST SIDE SCUTTER AFT IS 36" VERTICALLY BELOW W. DECK.

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

STEEL BULWARK AMIDSHIPS
3 ROD RAILS AND STANCHIONS ELSEWHERE EXCEPT AT SPIRKLING PLATE
WHICH EXTENDS TO FORE END NO. 1 HATCH

Gangways and Lifelines

F.S.W.R. LIFELINES FITTED FORE AND AFT

Gangway, Cargo and Coaling Ports in sides of ship

NONE



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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



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