

THE BRITISH CORPORATION REGISTER OF
SHIPPING AND AIRCRAFT

"TRESKO"

SURVEY FOR FREEBOARD

STEAMER, TANKER, SAILER: EX "CHANT 3" A/MS 733 WITH TIMBER DECK CARGO
 Nationality BRITISH Builders' Name and No. of Ship MESSRS HENRY SCARR LTD.
 Port of Registry HULL 5437 HESSE
 Official Number 180226 Owners MINISTRY OF WAR TRANSPORT
 Gross Tonnage ~~402.40~~ 403.44 MANAGERS BULK OIL STEAMSHIP CO. LTD. LONDON
 Date of Build 3/44 Port and Date of survey HULL 3/44
 Name of Surveyor W. J. Noble
 Particulars of Classification BS* {BULK OIL CARRIER
COASTING SERVICE} Names of Sister Ships CHANT TYPE
 Type of Superstructures PDDP AND FORECASTLE.
 Trade of Ship SPECIAL SERVICE.
 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	5"	Corresponding Freeboard	1'-0"
FRESH WATER LINE " " "	2 1/2"	" "	0'-7"
TROPICAL LINE " " "	2 1/2"	" "	0'-9 1/2"
WINTER LINE below " "	2 1/2"	" "	0'-9 1/2"
WINTER NORTH ATLANTIC LINE " " "	4 1/2"	" "	1'-2 1/2"
		" "	1'-4 1/2"

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

Chief Surveyor

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

on the 5th APRIL 1944

Secretary

COMPUTATION OF FREEBOARD

Length on summer load line $141'-0"$ Moulded Breadth $27'-0"$ Moulded Depth $11'-0"$ Depth of Keel $1'-2"$
 Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 725 Tons $09'-4\frac{3}{16}"$
 Co-efficient of fineness for use with tables $\frac{\Delta \times 35}{L \times B \times D \times .85} = 7130$
 Displacement and tons per inch immersion in salt water at summer load line $798 \text{ tons } 8.03 \text{ tons per inch @ } 10 \text{ ft.}$
 Moulded depth $11'-000$ Deduction for Fresh Water $\frac{\Delta}{40T} = 2.484$ inches
 Stringer Plate 318^4 '031 Round of Beam Correction $-$
 Sheathing on exposed deck T $\left(\frac{L-S}{L}\right) -$ Ships Round of Beam NIL inches
 Rise of floor (in sailers) $-$ Standard Round of Beam $\frac{B \times 12}{50} = 6.46$
 Depth for Freeboard (D) $11'-031$ Difference 6.48
 Table Depth 715 $9'-400$ Restricted to
 Depth Correction 7130 $1'-631$ Correction $\frac{\text{Difference}}{4} \times (1 - \frac{1}{10}) = 1.62 \times .2262$
 If restricted by superstructures $1'-7690N$ $= .36650N$

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop	$37'-6\frac{3}{4}"$		$7'-0"$	$41'-26$		$41'-26$
Raised Quarter Deck						
Bridge		F				
		A				
Forecastle	$13'-8\frac{1}{6}"$	$1'-10"$	$8'-0"$	$15'-63$		$14'-82$
Trunk Aft	$21'-9"$		$7'-0"$	$18'-3'-33$	$+18/97$	$14'-50$
„ Forward	$41'-2"$		$3'-4"$	$27'-6$		$15'-25$
Tonnage Opening Aft	$18'-10"$		$3'-4"$	$27'-6$		$5'-70$
„ „ Forward						
Totals	$14'-50$ $27'-14$ $10'-26$ $52'-20$			$56'-89$		$91'-53$

Standard Height of Superstructure $6'-0"$

„ „ R.Q.D.

Percentage covered S/L = 40.34% „ „ E/L = 64.93% „ from Table line A, B, (corrected for absence of forecastle if required) $-$

Percentage from Table by interpolation for Bridge

less than $\cdot 2L$ if required $= -$ Deduction = 57.425%

Percentage from Table for Tankers (or Timber ships) =

Deduction = $20.1 \times .5742 = 11.540FF$

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.				1	
$\frac{1}{8} L$ from A.P.				4	
$\frac{1}{8} L$ from A.P.				2	
Amidships				4	
$\frac{1}{8} L$ from F.P.				2	
$\frac{1}{8} L$ „ „				4	
F.P.				1	
				18	

Effective Mean Sheer =

Standard „ „ $\cdot 05L + 5$ =

Difference

 12.05 12.05

Mean Actual sheer aft =

„ Standard „ „

Mean Actual sheer forward =

„ Standard „ „

Length of enclosed superstructure forward of amidships =
Length of ShipLength of enclosed superstructure aft of amidships =
Length of ShipSheer Correction = Difference $\times (75 - \frac{S}{2L}) = 12.05 \times .5483$
 $= 6.6080N$

If limited on account of midship superstructure =

„ to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft. =TABULAR FREEBOARD corrected for flush deck if required = $14'-33$ Correction for co-efficient = $1393/136$ = $14'-68$ DRAUGHTS AND SEASONAL CORRECTIONS

	+	-		Sailor, Tanker, Steamer	Timber
Depth correction	$1'-74$				
Deduction for superstructures		$11'-54$			
Sheer correction	$6'-61$				
Round of Beam correction	37				
Correction for thickness of deck amidships					
Other corrections, scantlings, etc.					
	$8'-75$	$11'-54$	$-2'-79$		

Summer Freeboard in Inches

 $12"$ $= 11.89$

Additional allowance for superstructures on

Timber carrying ships

Summer Timber Freeboard in inches

Depth to Freeboard Deck in feet

 $11'-031$

Summer Freeboard in feet

 $1'-000$

Moulded Draught (d)

 $10'-031$

Addition for Keel

 $.642$ Extreme draught $10'-0\frac{7}{8}$ $10'-073$ Deduction for Tropical and addition for Winter freeboard $d/4 = 2.5$ ins.Addition for Winter North Atlantic (if required) -4.5 ins.Deduction for Tropical Timber Freeboard $\frac{d1}{d}$ = ins.Addition for Winter „ „ $\frac{d1}{3}$ = 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 "CHANT 3"

OFFICIAL NUMBER 180226

Nationality and Port of Registry BRITISH.

HULL.

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		$5/16 \times 2\frac{1}{4}$	$5" \times 5/16"$	$2'-3"$	WELDED	$2 @ 10" DIA.$	$5'-1"$	$7'-0"$
R.Q.D. „								
Bridge Aft Bulkhead								
„ Forward „								
Forecastle Bulkhead		$5/16$	$3" \times 3" \times \frac{1}{4}"$	$2'-0" \times 2'-6"$	WELDED	$2 @ 4'-11" \times 1'-0"$	$1'-3"$	$8'-0"$
Trunk, Aft	$5/16$	$1/4$	$4" \times 5/16" \times 3/2 \times \frac{1}{2}$	$1'-8" \times 1'-10"$				$7'-0"$
„ Forward		$5/16$	$4" \times 5/16"$	$1'-8"$				$3'-4"$
Exposed Machinery Casings on Freeboard or R.Q. Decks								
Exposed Machinery Casings on superstructure decks	$5/16$	$1/4$	$4" \times 5/16"$	$1'-9"$	WELDED AT TOP BKT AT BDM.			$5'-3" \times 8'-5"$
Machinery Casings within Superstructures not fitted with Cl. 1 closing appliances								
Deckhouses on flush deck ships								

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

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

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			SEE SKETCH.		
Forward Well					

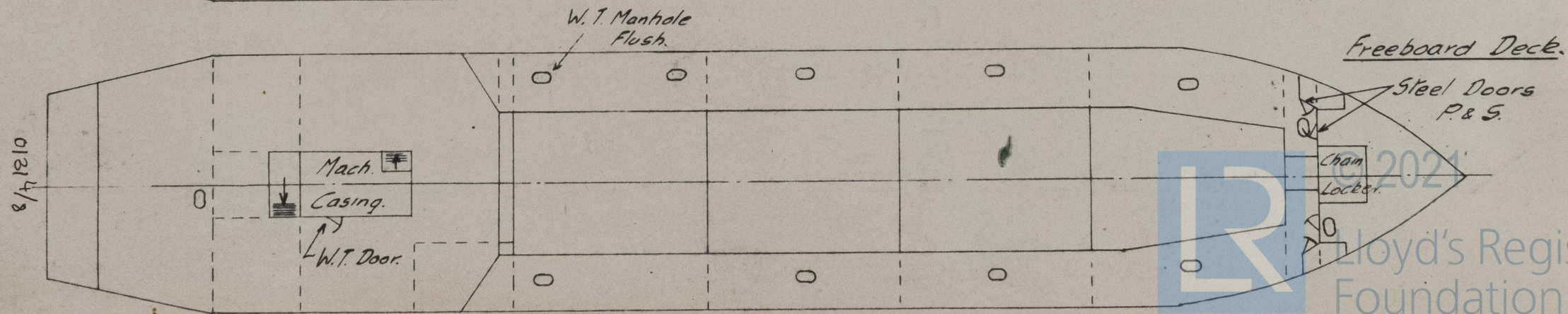
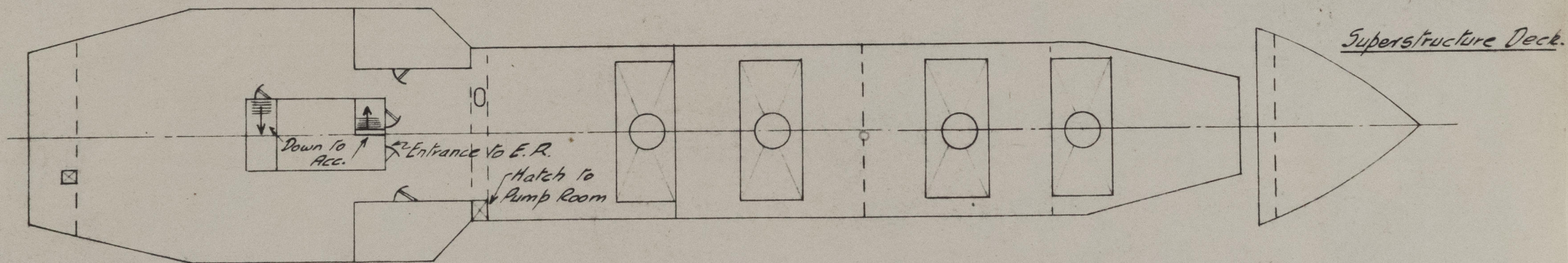
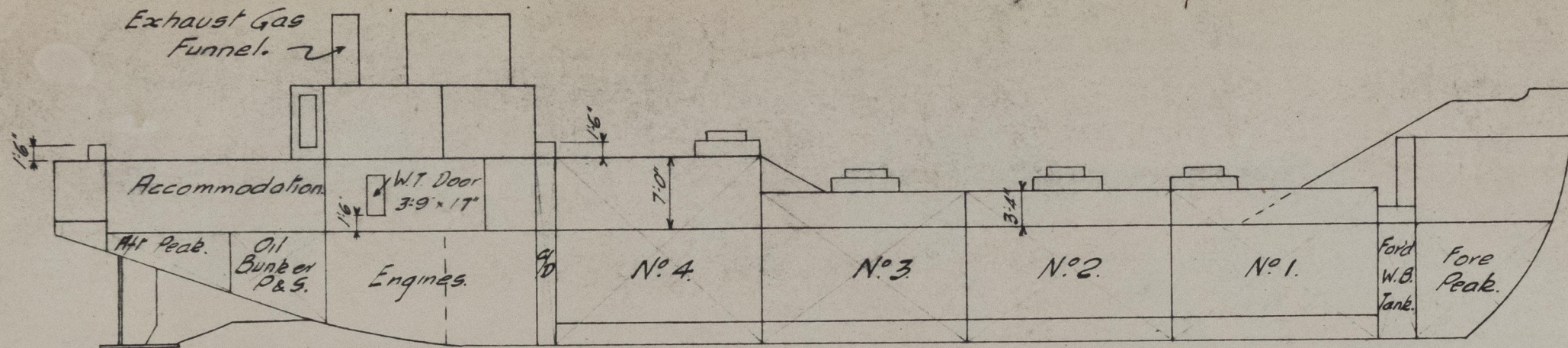
State fore and aft position and height above deck to bottom of port, for each port

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



PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	UPPER DECK.			POOP DECK.				
	CARGO HATCHES No 1, 2, 3	OIL TIGHT HATCHES No 1, 2, 3	SMALL OT. HATCHES No 1, 2, 3	CARGO HATCH No 4.	OIL TIGHT HATCH No 4.	SMALL OT. HATCH No 4.	PUMP ROOM HATCH.	HATCH TO AFTER STORE.
Dimensions of Hatchway	15'-0" x 6'-7 3/4"	15'-0" x 6'-7 3/4"	4'-0" DIA	15'-0" x 6'-7 3/4"	15'-0" x 6'-7 3/4"	4'-0" DIA	2'-2 1/2" x 1'-9 1/4"	2'-0" x 1'-10"
COAMINGS	Height } steel } deck above } wood }	4'-10"	4'-10"	5'-8"	1'-6" COAM.	1'-6" COAM.	1'-6" COAM	1'-6" COAM
	Thickness { sides ends }	5/16" 5/16"	5/16" 5/16"	3/4"	5/16" 5/16"	5/16" 5/16"	3/4"	5/16" 5/16"
	Stiffeners	6" x 3" x 5/16" DR	6" x 3" x 5/16" DR	6" x 3" x 5/16" DR	6" x 3" x 5/16" DR	6" x 3" x 5/16" DR	1/4" x 1/4"	5/16" 5/16"
	Brackets or Stays	4" x 5/16"	4" x 5/16"	4" x 5/16"	4" x 5/16"	4" x 5/16"		
HATCH BEAMS	Number							
	Spacing							
	Scantling and Sketch							
	Bearing Surface and thickness of carriers or sockets							
FORE AND AFTERS	Number							
	Spacing							
	Unsupported lengths							
	Scantling and Sketch							
HATCH COVERS	Material	WOOD	STEEL	STEEL	WOOD	STEEL	STEEL	WOOD
	Thickness	2 5/8"	1/2" WITH 4" x 5/16" STIFFENERS	3/8"	2 5/8"	1/2" WITH 4" x 5/16" STIFFENERS	3/8"	2 5/8"
	How Fitted	F. & A. AT HATCHWAYS	AT 2'-6" CRS	WITH HAMP PACKING	F. & A. AT HATCHWAYS	AT 2'-6" CRS.	WITH HAMP PACKING	F. & A.
	Bearing Surface	3"	WITH HAMP PACKING	3"	3"	WITH HAMP PACKING	3"	2"
Spacing of Cleats	24"	COVER SECURED BY	COVER SECURED BY	24"	COVER SECURED BY	COVER SECURED BY	COVER SECURED BY	2 EACH SIDE
Number of Tarpaulins	2	BOLTS AT 12" CRS	8 DOGS.	2.	BOLTS AT 12" CRS	8 DOGS.	BY LOCK	2

Are tarpaulins in good condition and in accordance with rule requirements? YES
 Are lashings provided in accordance with rule requirements? YES 2 1/2" HAMP.

Are wood fore and afters steel shod at all bearing surfaces? NONE FITTED
 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)

- 1 - COWL VENT P.2 S. 10" DIA. 2'-0" COAMING WALDED TO CASING TOP 8'-5" ABOVE DECK.
- 1 - G.N. " " " 4" " 1'-0" ABOVE CASING " " " " 8'-5" " "
- 2 - HINGED STEEL SKYLIGHT FLAPS P.2 S. 2'-3" - 2'-0" NO BULLEYES, ON CASING TOP, 7'-6" ABOVE DECK.
- 1 - 9"x6" DUAL LIGHT PROOF VENT 8" COAM. WALDED TO CASING TOP 8'-5" ABOVE POOP DECK.
- 1 - 2" G.N. VENT 9" COAM. WALDED TO CASING TOP ABOVE POOP DECK.
- 1 - 5" M.V. FITTED ON TOP OF EACH SKYLIGHT FLAP 6" COAMING.

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

NOWR FITTED.

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)

ENTRANCE TO OFFICERS ACCOM.	18'	STEEL	COAM.	STEEL	DOORS	OPERATED	BOTH	SIDES
"	"	CRAWL	"	"	"	"	"	"
"	"	ENGINE ROOM	"	"	"	"	"	"

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)

POOP DEC12

- | | | | | | |
|-------------------|------------|-------|------------------|------------------------|---------------|
| 1 - 9" | COWL VENT. | STAR, | 3'-0" | COAMING WELDED TO DECK | TO PUMP ROOM, |
| 4 - 6" | " | " | PORT | " | " |
| 3 - 6" | " | " | STAR, | " | " |
| 5 - 5" | C.N. | " | PORT. | 26" | " |
| 4 - 5" | " | " | STAR, | " | " |
| 1 - 5" | " | " | ON $\frac{1}{2}$ | " | " |
| 2 - 5" | M. | " | PORT. | " | " |
| 2 - 5" | " | " | STAR, | " | " |
| <u>UPPER DECK</u> | | | | | |
| 1 - 9" | VENT STAR | 3'-0" | COAM. | WELDED TO DECK | " |
| 4 - 5" | M. | 11 | P.S. | 12" | " |

~~Carroll Carrier~~ PLANK BLANKET FITTED WHEN SHIP OIL CARRIER

A34 SW. VENT 2 COWL. FITTER WITH WOOD PLUGS AND CANVAS COVERS.

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

- [illegible]

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

PORT 1-2' GUN METAL SCREW DOWN VALVE STRAIGHT THRU' TYPR. WITH EXTENDED SPINDLES TO UPPER DK.
STAR 2-2' " " " " " " " " " " " " " "
1-4" " " " " " " " " " " " " "

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

10" DIA CLEAR GLASS HINGED SIDELIGHTS IN POOP SIDES WITH PERMANANT DRADLIGHTS

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

NONR

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

STANCHIONS FITTED AROUND SIDES 2 ENDS ON POOP DECK
" " " AFT END FORECASTLE DECK
" " " OW. UPPER DECK FROM POOP FRONT & FORECASTLE FRONT PERS.

Gangways and Lifelines

3'-0" COLLAPSIBLE STANCHIONS FROM POOP FRONT TO FORECASTLE FRONT

Gangway, Cargo and Coaling Ports in sides of ship

NONE.

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0131 $7/8$

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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