

14/2/46

"CITY OF CORK"

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

EX NORTH TIPPERARY SURVEY FOR FREEBOARD

Amended By
A. MacKeechie
Dublin 29.7.47

STEAMER, TANKER, SAILER: GOODWIN SS. EX GOODWIN WITH/TIMBER DECK CARGO

Nationality BRITISH Builders' Name and No. of Ship CALEDON S & E. CO. LTD.

Port of Registry GLASGOW BELFAST DUNDEE No 244.

Official Number 137845 Owners CLYDE SHIPPING CO. LTD.

Gross Tonnage 153735 NET 58430 (Mass) G. HEYN & SONS LTD.

Date of Build 5/1917 Port and Date of survey GLASGOW

Particulars of Classification BS* Name of Surveyor W. M. SLACK

Names of Sister Ships LONGSHIPS & COPELAND

Type of Superstructures POOP & BRIDGE COMBINED & FORECASTLE

Trade of Ship

Service Endorsement if any

SUMMER FREEBOARD recommended amidships from centre of disc to top of deck line, (.....wood.....steel)				1'-6"
TROPICAL FRESH WATER LINE above centre of disc	6 1/2"	Corresponding Freeboard	0'-1 1/2"	
FRESH WATER LINE " " "	3 3/4"	" "	1'-2 1/4"	
TROPICAL LINE " " "	2 3/4"	" "	1'-3 1/4"	
WINTER LINE below " "	2 3/4"	" "	1'-8 3/4"	
WINTER NORTH ATLANTIC LINE " " "	4 3/4"	" "	1'-10 3/4"	

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 5 YEARS

Memo Lister & Co.
19 Mount Place
Glasgow C1

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 16TH MARCH, 1946



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Secretary

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COMPUTATION OF FREEBOARD

Length on summer load line 270'-0" Moulded Breadth 37'-0" Moulded Depth 18'-6" Depth of Keel 1'-0" Tons 2945

Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth

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

Stringer Plate

Sheathing on exposed deck T $\left(\frac{L-S}{L}\right)$

Rise of floor (in sailers)

Depth for Freeboard (D)

Table Depth

Depth Correction

If restricted by superstructures

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop	176.5					
Raised Quarter Deck	144.5		7.5			
Bridge		F				
		A				
Forecastle						
Trunk Aft						
" Forward						
Tonnage Opening Aft						
" " Forward						
Totals						

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product	Mean Actual sheer aft	Mean Actual sheer forward
A.P.	38			1			
$\frac{1}{4}$ L from A.P.	14.25			4			
$\frac{3}{4}$ L from A.P.	3.5			2			
Amidships	0			4			
$\frac{1}{4}$ L from F.P.	7.25			2			
$\frac{3}{4}$ L " "	28.0			4			
F.P.	61.25			1			
Effective Mean Sheer							
Standard " "		.05L+5					
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.		

Summer Freeboard in inches =

Additional allowance for superstructures on

Timber carrying ships =

Summer Timber Freeboard in inches =

DRAUGHTS AND SEASONAL CORRECTIONS

	Sailer, Tanker, Steamer	Timber
Depth to Freeboard Deck in feet	18'-6.36	
Summer Freeboard in feet	1'-6.0	
Moulded Draught (d)	17'-0.36	(d1)
Addition for Keel	.75	
Extreme draught	17'-1	
Deduction for Tropical and addition for Winter freeboard $d/4$ =	ins.	
Addition for Winter North Atlantic (if required)	ins.	
Deduction for Tropical Timber Freeboard $d/4$ =	ins.	
Addition for Winter " " $d/3$ =	ins.	
" " N.A. Timber Freeboard (if required) =	ins.	

Form LL. 4.D.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

"NORTH TIPPERARY" CONDITIONS OF ASSIGNMENT

SHIPS NAME ~~GOODWIN~~ Ex GOODWIN OFFICIAL NUMBER 137845

Nationality and Port of Registry BRITISH BELFAST.

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 (PROTECTED)								
Trunk, Aft								
" Forward								
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								
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	
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	
Deckhouses 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					
Forward Well	50'-0	7'-6"	2 AT 3'-0 x 2'-0	12 #	11.5 #

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

After Well

Forward Well

12" ABOVE FREEBOARD

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

HINGED SHUTTERS

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

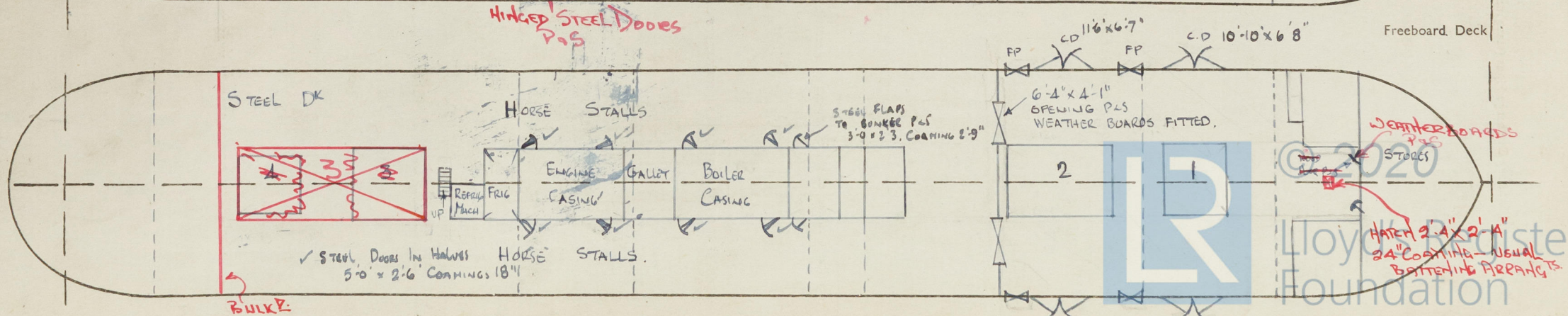
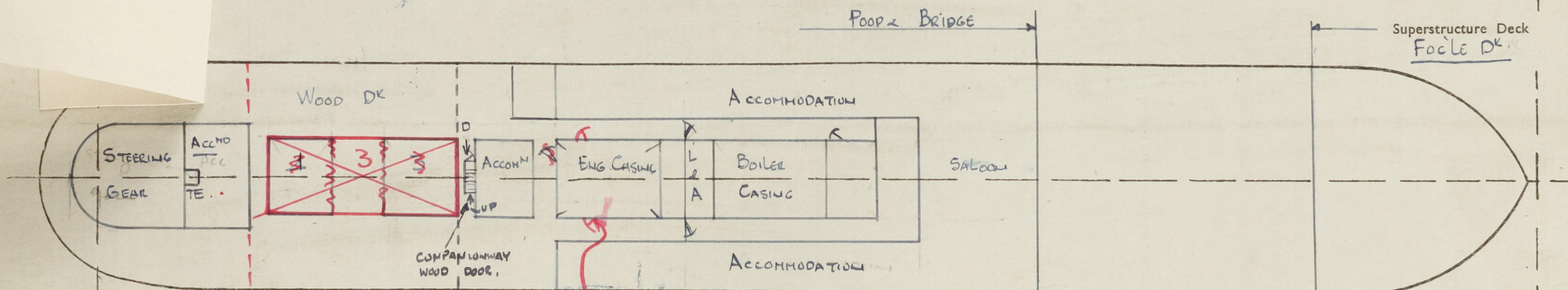
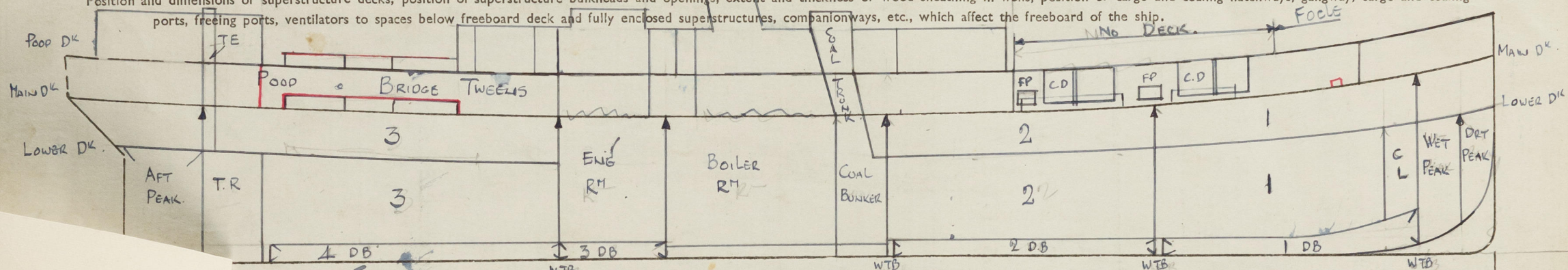
The Freeboard Report has been compared with the
approved plans and found in order.

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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.



PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	FREEBOARD DECK (UPPER DECK)		BRIDGE DECK & LOOP		BOAT DECK		FOREBOARD DECK		POOP DECK	
	1	2	3	4	5	6	7	8	9	10
Dimensions of Hatchway	12'0" x 12'6"	21'0" x 13'6"	14'0" x 12'6"	13'6" x 12'6"	10'0" x 12'0"	7'0" x 14'0"	36'0" x 12'6"	36'0" x 12'6"	36'0" x 12'6"	36'0" x 12'6"
Height of steel above deck	21"	21"	21"	21"	21"	21"	21"	21"	21"	21"
Thickness of sides	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45
Stiffeners	6 x 3 BA S1065 A=40 E=405	6 x 3 BA S1065 A=40 E=405	6 x 3 BA S1065 A=40 E=405	6 x 3 BA S1065 A=40 E=405	6 x 3 BA S1065 A=40 E=405	6 x 3 BA S1065 A=40 E=405	6 x 3 BA S1065 A=40 E=405	6 x 3 BA S1065 A=40 E=405	6 x 3 BA S1065 A=40 E=405	6 x 3 BA S1065 A=40 E=405
Brackets or Stays	-	-	-	-	-	-	-	-	-	-
Number	1	1	1	1	1	1	1	1	1	1
Spacing	6'0"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"
Scantling and Sketch	PL 12' x 6" LS 3' x 3' x .43 Cores 3' x 1 1/2"	PL 20' x 6" LS 3' x 3' x .43 Cores 3' x 1 1/2"	PL 14' x 6" LS 3' x 3' x .43 Cores 3' x 1 1/2"	PL 13'6" x 6" LS 3' x 3' x .43 Cores 3' x 1 1/2"	PL 10' x 6" LS 3' x 3' x .43 Cores 3' x 1 1/2"	PL 7' x 6" LS 3' x 3' x .43 Cores 3' x 1 1/2"	PL 36' x 6" LS 3' x 3' x .43 Cores 3' x 1 1/2"	PL 36' x 6" LS 3' x 3' x .43 Cores 3' x 1 1/2"	PL 36' x 6" LS 3' x 3' x .43 Cores 3' x 1 1/2"	PL 36' x 6" LS 3' x 3' x .43 Cores 3' x 1 1/2"
Bearing Surface and thickness of carriers or sockets	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"
Number	1	1	1	1	1	1	1	1	1	1
Spacing	6'3"	6'9"	6'9"	6'9"	6'9"	6'9"	6'9"	6'9"	6'9"	6'9"
Unsupported lengths	6'0"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"	10'6"
Scantling and Sketch	10' x 7" OAK	10' x 7" OAK	10' x 7" OAK	10' x 7" OAK	10' x 7" OAK	10' x 7" OAK	10' x 7" OAK	10' x 7" OAK	10' x 7" OAK	10' x 7" OAK
Bearing Surface and thickness of carriers or sockets	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"	3' x 1 1/2"
Material	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.
Thickness	3"	3"	3"	3"	3"	3"	3"	3"	3"	3"
How Fitted	As AT 1	As AT 1	As AT 1	As AT 1	As AT 1	As AT 1	As AT 1	As AT 1	As AT 1	As AT 1
Bearing Surface	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Spacing of Cleats	20"	23"	21"	21"	21"	21"	21"	21"	21"	21"
Number of Tarpaulins	2	2	2	2	2	2	2	2	2	2
Are tarpaulins in good condition and in accordance with rule requirements?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Are lashings provided in accordance with rule requirements?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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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Give full particulars of the following:—

Fiddle, 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 fiddle covers, and if these are permanently attached in their proper positions)

COAMINGS 10" ABOVE WOOD BOAT DECK
FIDDLE OPENINGS FITTED WITH ROUND BAR GRATINGS AND LIGHT STEEL CLIPPED COVERS WITH STOWAGES.

VENTS AS FOLLOWS: STOREHOLD 2 - 2'-6" DIA C.V., BRIDGE TWEENS 2 - 15' DIA COAMING 2'-9" HIGH
1-9" DIA, 12' DIA, COAMING 2'-9" HIGH ALL C.V.s, ENGINE RM. 4 - 18' DIA. C.V.s.

ENGINE RM. SKYLIGHT FITTED WITH STEEL HINGED FLAPS WITH FIXED LIGHTS.
✓ 3. RECTANGULAR TRUNK VENTS TO FANS AT FORE AND BRIDGE TWEENS SIZE 16" x 5" - 2'-0" COAMINGS.
(✓ FITTED 1946)

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

UPPER MAIN DECK (FREEBOARD DECK) FOUR. TWO C.I. COAL SCUTTLES WITH GRATINGS AND CHAIN ATTACHMENT FOR COVERS, 2 FITTED 1946 TO TWEENS. NO 2.

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 AFT END OF BRIDGE HOUSE TO MAIN DECK FITTED WITH WOOD DOOR COAMING 15" (FITTED 1946)

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)

FORECASTLE DECK COWL TOPS. COAMINGS 30" CONNECTED BY BELTS 5" APART W.P.s & C.C.s
COMBINED POOP & BRIDGE. ① FORE END (FITTED 1946) 2 COWL VENTS TO NO 2 TWEENS. COAMINGS 36" CONNECTED BY WELDING TO BRIDGE DECK. DIAS. 18" W.P.s & C.C.s

② AFT END (FITTED 1946) 2 COWL VENTS TO NO 3 TWEENS COAMINGS 36" CONNECTED BY WELDING TO BRIDGE DECK. STBD PORT AND BY BELTS 5" APART. STBD.

DIAS. 15" W.P.s & C.C.s
③ POOP DECK (OLD FITTING) 2 COWL VENTS STBD TO TUNNEL RECESS

PORT TO COAMINGS HIGH CONNECTED BY BELTS

FREEBOARD DECK. ① FORE END NO 1. HATCH 2. M VENTS 8' DIA. 24" COAMINGS, RIVETS CONNECTING 6' APART. (TOP JOINTS)
② BETWEEN NO 1 & 2 HATCHES (FITTED 1946) 2 - 18" COWL VENTS. COAMINGS 36" WELDED TO DECK W.P.s & C.C.s.

NOTE: MECHANICAL SUPPLY AND EXHAUST FANS 5 OFF SITUATED IN POOP & BRIDGE TWEEN DECKS TO SERVE NO 2 HOLD AND TWEEN DECKS & AFT. TWEEN DECKS.

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

FREEBOARD DECK TO NO 2. DB TANK P.S. 3 1/2" DIA 6'-6" TO OPENING. W.P.s & C.C.s
BRIDGE DECK (AFT) NO 4 " " " " 2'-6" " " " "
FORECASTLE " 1 " " " " " " " "

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

SCUPPERS.

FROM POOP & BRIDGE DECK 7 PORT & 7 STBD ALL OF LEAD EXCEPT FOR 3 IN GALVANIZED IRON. ALL DISCHARGING ABOVE FREEBOARD DECK. NO. VALVES.

FROM FREEBOARD DECK 4 PORT & 4 STBD, 2 OF LEAD & 6 OFF IRON AND ALL 5" DIA (IN POOP & BRIDGE) DISCHARGING TO SEA WITH STORM VALVES ON SHELL

FROM FREEBOARD DECK 2 PORT & 2 STBD. ALL OF LEAD, DISCHARGING TO SEA WITH STORM (FORE WELL) VALVES ON SHELL.

SANITARY DISCHARGES

8 W.C.s, 4" DIA, 6 OF IRON & 2 OF LEAD
7 DISCHARGE BELOW FREEBOARD DECK & 1 ABOVE.
STORM VALVES FITTED.

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

COMBINED POOP AND BRIDGE SPACE: BRASS FRAMES NO DEAD LIGHTS
PLUGS PROVIDED FOR 75% OF TOTAL.

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

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

FORECASTLE, POOP & BRIDGE (4 ROD TYPE)
" FRONT (5 ROD TYPE)

Gangways and Lifelines

GANGWAY, STBD. BRIDGE FRONT TO FORECASTLE
CARGO DOORS. WEATHER TIGHT 2 P & 2 S FORE WELL
SIZES (SEE SKETCH)

Gangway, Cargo and Coaling Ports in sides of ship

SUPPLEMENTARY REQUIREMENTS FOR STEAMER CARRYING TIMBER DECK CARGOES

Do Superstructure and Machinery Casings comply with rules?

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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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