

Form LL. 4.C. Revised

THE BRITISH CORPORATION REGISTER OF
SHIPPING AND AIRCRAFT

HULLGATE.

SURVEY FOR FREEBOARD

STEAMER, ~~TANKER, SAILER~~ ~~S.M. "EMPIRE FACET"~~ AGIOS NEKTARIOS ~~WITH~~ WITHOUT TIMBER DECK CARGO
Nationality BRITISH Builders' Name and No. of Ship GOOLE S.B. & REPAIR. CO LTD
Port of Registry GOOLE GOOLE Nº 431.
Official Number 180368 Owners MINISTRY OF WAR TRANSPORT.
Gross Tonnage 409.77. (MORS) CRAIG & JENKIN LTD.
Date of Build Nov 1944. Port and Date of survey GOOLE DURING CONSTRUCTION
Name of Surveyor E. HENDERSON
Particulars of Classification BS* (COASTING SERVICE) Names of Sister Ships EMP FACTOR, E. FASHION, E. FAIRHAVEN ETC.
Type of Superstructures POOP & 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	<u>2 1/2"</u>	<u>X</u>	Corresponding Freeboard <u>1'-3 1/2"</u>
FRESH WATER LINE " " "	<u>2 1/2"</u>		" " <u>1'-3 1/2"</u>
TROPICAL LINE " " "	<u>0</u>	<u>X</u>	" " <u>1'-6"</u>
WINTER LINE below " " "	<u>2 1/2"</u>		" " <u>1'-8 1/2"</u>
WINTER NORTH ATLANTIC LINE " " "	<u>4 1/2"</u>	<u>X</u>	" " <u>1'-10 1/2"</u>

X not assigned

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 24-11-44DATE OF EXPIRY 23-11-49

Assignment Notes.

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 6th DECEMBER, 1944

© 2020

Lloyd's Register
Foundation
Secretary

003245-003251-0205 1/9

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

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 **742 @ 7.95 I.P. @ 9.5'**

Moulded depth **11.000.** Deduction for Fresh Water $\frac{\Delta}{40T} = 2.333$ inches

Stringer Plate **3/8 .031.** Round of Beam Correction

Sheathing on exposed deck T $(\frac{L-S}{L})$ **-** Ships Round of Beam **0.00** inches

Rise of floor (in sailers) **-** Standard Round of Beam $\frac{B \times 12}{50} = 6.48$

Depth for Freeboard (D) **11.031.** Difference **6.48**

Table Depth **1/15 9.400** Restricted to
 Depth Correction **1/130 1.631.** Correction $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = 1.62 \times .2262 = .36650$

If restricted by superstructures **1.769 on.**

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop	37'-6 3/4	-	7'-0"	41'-26"		41'-26"
Raised Quarter Deck						
Bridge		F				
		A				
Forecastle	13'-8 1/16	1'-10"	8'-0"	15'-63"		14'-83"
Trunk Aft	35'-1"		7'-0"	18'-27"		23'-39"
" Forward	27'-10"		3'-4"	18'-27"		8'-26"
Tonnage Opening Aft	18'-10"			14'-71" x 2'-67"		4'-56"
" Forward				27'-0"		
Totals				56'-89"		92'-30"

Standard Height of Superstructure **6'-0"**

" " R.Q.D. **-**

Percentage covered S/L = **40.34 %**

" " E/L = **65.46 %**

" from Table line A, B, ~~(corrected for absence of forecastle if required)~~ **55.28 %**

Percentage from Table by interpolation for Bridge

less than .2L if required = **-**

Deduction = **20.1 x .5528 = 11.11 OFF.**

Percentage from Table for Tankers (or Timber ships) =

Deduction = **-**

2.67 FOR LOW COAMING ON HATCH FORWARD.
 $\frac{25.34}{18.56} = 1.36$
 $\frac{52.21}{109.10} = .478$
 $\frac{5}{L} = 77.38 \%$

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.	0.	24.1	-	1	-
1/3 L from A.P.	0.	10.72	-	4	-
2/3 L from A.P.	0.	2.61	-	2	-
Amidships	0.	0.	-	4	-
1/3 L from F.P.	0.	5.22	-	2	-
2/3 L " "	0.	21.44	-	4	-
F.P.	0.	48.2	-	1	-
			18	-	-

Mean Actual sheer aft = **LESS THAN 1.**

Mean Actual sheer forward = **LESS THAN 1.**

Length of enclosed superstructure forward of amidships = **-**
 Length of Ship

Length of enclosed superstructure aft of amidships = **-**
 Length of Ship

Sheer Correction = Difference X $(.75 - \frac{S}{2L}) = 12.05 \times .5483 = 6.607 \text{ on.}$

Effective Mean Sheer = **-**

Standard " " .05L + 5 = **12.05**

Difference **12.05**

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 = **14.33**

Correction for co-efficient = $\frac{1393}{136} = 14.68$ DRAUGHTS AND SEASONAL CORRECTIONS

	+	-		
Depth correction	1.77	-	Season, Tanker, Steamer	Timber
Deduction for superstructures	-	11.11	Depth to Freeboard Deck in feet	11.031
Sheer correction	6.61	-	Summer Freeboard in feet	1.500
Round of Beam correction	.37	-	Moulded Draught (d)	9.531
Correction for thickness of deck amidships	-	-	Addition for Keel	1/2 .042
Other corrections, scantlings, etc.	5.68	-	Extreme draught	9.573
	14.43	11.11		

Summer Freeboard in inches **1'-6" = 18.00**

Additional allowance for superstructures on

Timber carrying ships = **-**

Summer Timber Freeboard in inches = **-**

Deduction for Tropical and addition for Winter freeboard $d/4 = 2 1/2$ ins.

Addition for Winter North Atlantic (if required) = **4 1/2** ins.

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

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

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

DRAUGHT IN S.W. RESTRICTED.

As this vessel is less than 250'-0" in length
the Freeboard Report has not been compared with the
approved plans.

superstructure decks

Machinery Casings within super-

319

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD CONDITIONS OF ASSIGNMENT

SHIPS NAME **'EMPIRE FACET'**OFFICIAL NUMBER **180368**Nationality and Port of Registry **BRITISH GOOLE**

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		$\frac{5}{16} \times \frac{1}{4}$	$5\frac{1}{2} \times \frac{5}{16}$	2'-3"	WELDED	2 @ 10" DIA.	5'-1"	4'-0"
R.Q.D. "								
Bridge Aft Bulkhead								
" Forward "								
Forecastle Bulkhead		$\frac{5}{16}$	$3 \times 3 \times \frac{5}{16}$	2'8 $\frac{1}{2}$ "	-	2 @ 4'-10" x 1'-10"	1'-3"	8'-0"
Trunk, Aft		$\frac{5}{16}$	$3\frac{1}{2} \times \frac{5}{16}$	1'-9"	-	-	-	4'-0"
" Forward		$\frac{5}{16}$	$4\frac{1}{2} \times \frac{5}{16}$	1'-7 $\frac{5}{8}$ "	-	-	-	3'-4"
Exposed Machinery Casings on } Freeboard or R.Q. Decks }								
Exposed Machinery Casings on } superstructure decks }	$\frac{5}{16}$	$\frac{1}{4}$	$4\frac{1}{2} \times \frac{5}{16}$	1'-9"	WELDED AT TOP BKT. AT Btm.	3 @ 4'-11" x 1'-9"	1'-6"	7'-3"-8'-5"
Machinery Casings within Super- structures 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 super- structures not fitted with Cl. 1 Closing Appliances }	
Deck houses on Flush Deck ships	

PARTICULARS OF FREEING ARRANGEMENTS

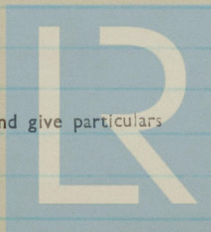
	Length of Bulwark	Height of Bulwark	No. and size of Freeing Ports each side	Area each side	Rule Area
After Well	SEE SKETCH.				
Forward Well					

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

Forward Well

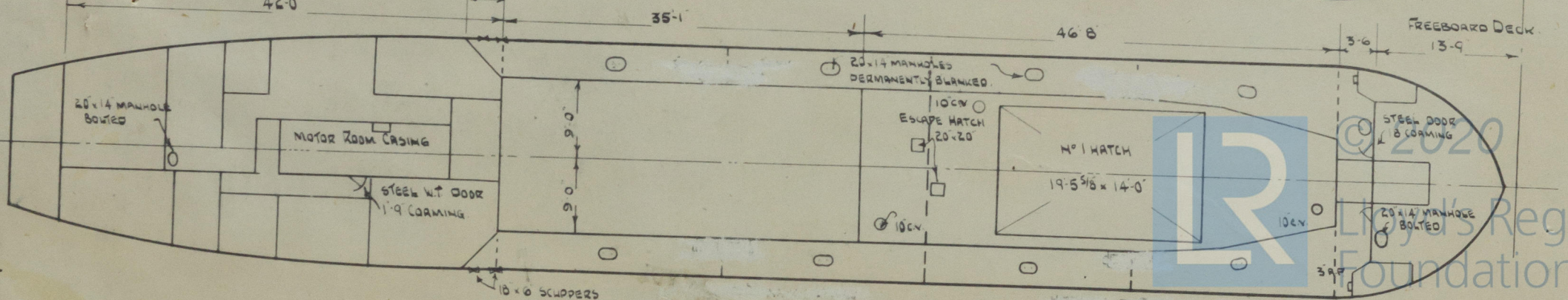
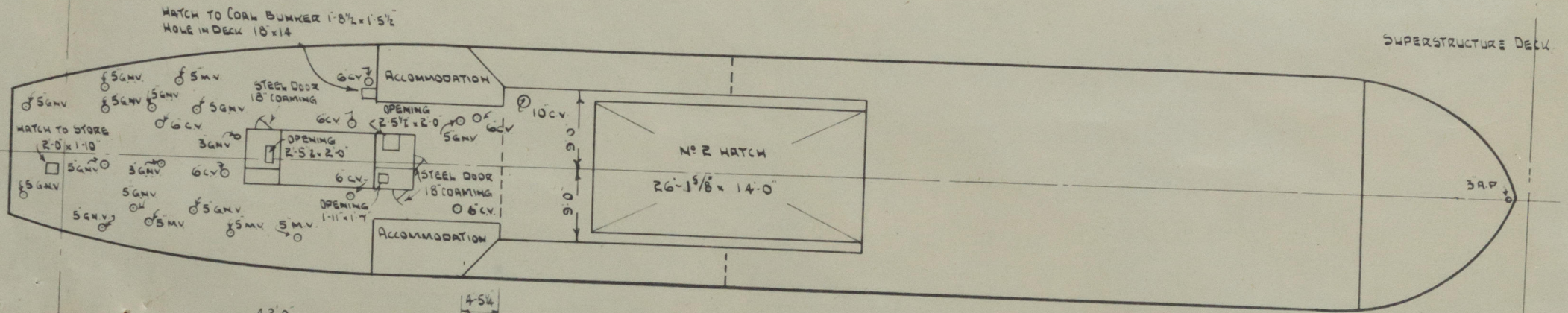
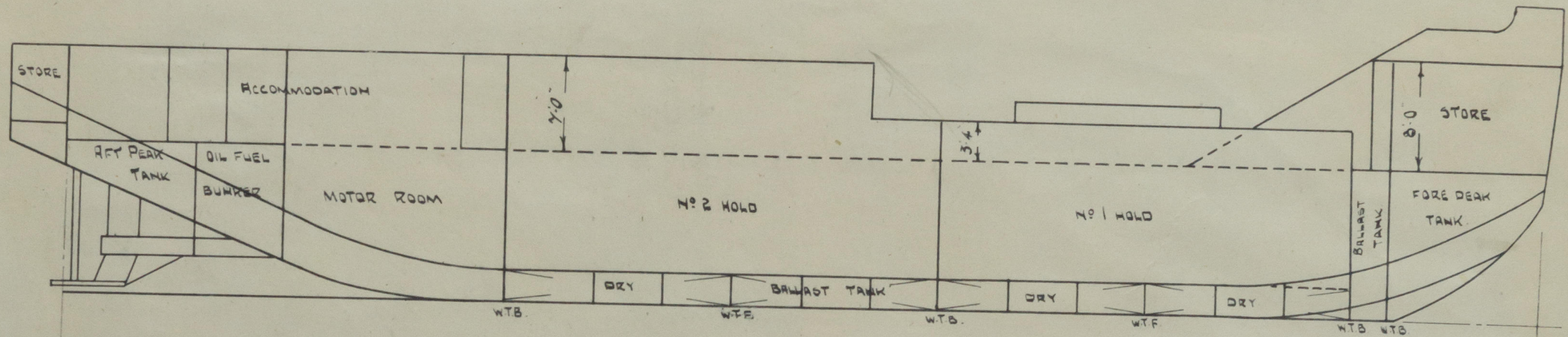
State whether freeing ports are fitted with shutters, bars or rails, and give particulars

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



© 2020

Lloyd's Register
Foundation



5/9

PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward		No. 1. CARGO H.	No. 2. CARGO H.	ESCAPE HATCHES TO NOS. 1 & 2 HOLDS.	COALING HATCHES TO GALLEY.	HATCH TO AFTER STORE					
Dimensions of Hatchway		20'-0" x 14'-0"	26'-3" x 14'-0"	1'-9" x 1'-9"	1'-6 1/2" x 1'-5 1/2"	2' x 1'-10"					
COAMINGS	Height above { steel } deck	4'-2"	7'-10"	1'-6"	1'-4"	1'-6"					
	wood { sides } ends	1/2"	1/2"	5/16"	5/16"	5/16"					
	Thickness										
	Stiffeners										
Brackets or Stays											
HATCH BEAMS	Number	2.	3.								
	Spacing	6'-8"	6'-8"								
	Scantling and Sketch	10" x 6" x 40 LBS. R. S. J.	10" x 6" x 40 LBS. R. S. J.								
Bearing Surface and thickness of carriers or sockets											
FORE AND AFTERS	Number										
	Spacing										
	Unsupported lengths										
	Scantling and Sketch										
Bearing Surface and thickness of carriers or sockets											
HATCH COVERS	Material	WOOD.	WOOD.	STEEL.	STEEL.	WOOD.					
	Thickness	2 7/8"	2 5/8"	1/4"	1/4"	2 5/8"					
	How Fitted	F & A.	F & A.	HINGED WITH	HINGED WITH	F & A.					
	Bearing Surface	2 3/16"	2 3/16"	HEMP PACKING.	HEMP PACKING.	2.					
Spacing of Cleats		24"	24"	SECURED BY	SECURED BY	2 EACH SIDE.					
Number of Tarpaulins		2.	2.	HANDLES.	HANDLES.	2					

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

Are lashings provided in accordance with rule requirements? YES.

Are wood fore and afters steel shod at all bearing surfaces? NO.

Are battens and wedges efficient and in good condition? YES.



© 2020

Lloyd's Register Foundation

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)

1- COWL VENT P&S. 10" DIA. 2'-0" COAMING WELDED TO CASING TOP. 8'-5" ABOVE DECK.
 1- G.N. " " 4" " 1'-0" ABOVE CASING " " " 8'-5" " "
 2- HINGED STEEL SKYLIGHT FLAPS, P&S. 2'-3" x 2'-0". NO BULLSEYES ON CAS. TOP. 7'-6" " "
 1'-9" JUAL LIGHT PROOF VENT. 8" COAMING WELDED TO CASING TOP. 8'-5" " "
 1-2" G.N. VENT. 9" " " " SIDE. 7'-3" " "

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)

ENTRANCE TO OFFICERS' ACCOMMODATION. 18" STEEL COAMING DOORS OPERATED BOTH SIDES.
 " " CARGO " " " " " "
 " " E. ROOM " " " " " "

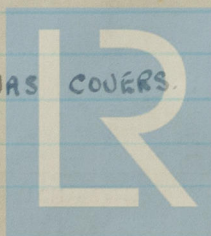
Ventilators in exposed positions on freeboard, raised quarter and superstructure decks to spaces below freeboard decks and fully enclosed superstructures enclosed by Class 1 appliances (state height of steel coamings, pitch of rivets in deck connection, type of closing arrangements) POOP DECK.

4-6" COWL VENT PORT. 3'-0" COAMING WELDED TO DECK. - TO ACCOMMODATION & GALLEY. W.P. & C.C.
 3-6" " " STAR. " " " " " " - SALOON. W.P. & C.C.
 5-5" G.N. " PORT. 2'-2" " STUDDED " " - PANTRY, CREWS SPACE, JENS & AFTER STORE. W.P. & C.C.
 4-5" " " STAR. " " " " " " - WASH PLACES, W.C. & AFTER STORE. W.P. & C.C.
 1-5" " " ON " " " " " " - J.E.M.S. W.P. & C.C.
 2-5" M. " PORT. " " " " " " - CREWS SPACE, & J.E.M.S. RUBBER JOINT SCREW TOP
 3-5" " " STAR. " " " " " " - ACCOMMODATION & W.C. " "
 1-9" COWL " STAR. 3'-0" " WELDED " " - E. ROOM STARTING PLATFORM. W.P. & C.C.
 2-10" " " PORT & STAR. TO CARGO HOLDS. WOOD PLUGS & CANVAS COVERS

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

1-3" G.N. AIRPIPE ON " 2'-6" ABOVE FORECASTLE DECK STUDDED TO DECK, TO FOREPEAK.
 1-5" " " P&S. 4'-3" " UPPER " WELDED " " NOS. 1-2-3-4 SIDE TANKS.
 1-3" " " " 1'-6" " POOP " " " " AFTER PEAK.

ALL AIR PIPES FITTED WITH WOOLY PLUGS & CANVAS COVERS.



© 2020

Lloyd's Register Foundation

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



© 2020

Lloyd's Register
Foundation

9/9