

Form Lk. 4.C. Revised

THE BRITISH CORPORATION REGISTER OF
SHIPPING AND AIRCRAFT
SURVEY FOR FREEBOARD

STEAMER, TANKER, SAILER: CHANT 25 ~~WITH~~ WITHOUT TIMBER DECK CARGO

Nationality BRITISH Builders' Name and No. of Ship Messrs Goole S. B & Co Ltd
Port of Registry GOOLE GOOLE N° 413
Official Number 180110 Owners MINISTRY OF WAR TRANSPORT.
Gross Tonnage 402.4 (Messrs) C. ROWBOTHAM & SONS LONDON
Date of Build 3/1944 Port and Date of survey GOOLE Docks CONSTRUCTION
Name of Surveyor E. HENDERSON.
Particulars of Classification B.S.* {BULK OIL CARRIER} Names of Sister Ships CHANT 22, 23, 24
{COASTING SERVICE}
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)

TROPICAL FRESH WATER LINE above centre of disc

Corresponding Freeboard

FRESH WATER LINE

TROPICAL LINE

WINTER LINE

below

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

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

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COMPUTATION OF FREEBOARD

Length on summer load line 141'-0" Moulded Breadth 27'-0" Moulded Depth 11'-0" Depth of Keel 7'-0"
 Moulded displacement (ex bossing) at moulded draught of 85 per cent. of moulded depth 725 Tons @ 5'-4 1/4"
 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 798 Tons. 8.08 Tons./" @ 105T.
 Moulded depth 11'-000 Deduction for Fresh Water $\frac{\Delta}{40T} = 2.484$ inches
 Stringer Plate 3/8" .031 Round of Beam Correction
 Sheathing on exposed deck T (L-S) - Ships Round of Beam Nil. 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 4/15 9.400 Restricted to
 Depth Correction 4/130 1.631 Correction $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = 1.62 \times .2262$
 If restricted by superstructures = 1.769 ON .3665 ON

	Enclosed Length	Length of Overhang	Height	Mean Covered Length (S)	Height Correction	Effective Length (E)
Poop	34'-6 3/4"	-	7'-0"	41.24	-	41.26
Raised Quarter Deck						
Bridge		F				
		A				
Forecastle	13'-8 1/16"	1'-10"	8'-0"	15.63	-	14.82
Trunk Aft	21'-9"		7'-0"	18 x 3.33 = 27.66	14.50	14.50
" Forward	41'-2"		3'-4"	14 x 3.33 = 27.66	15.25	15.25
Tonnage Opening Aft	18'-10"		3'-4"		5.70	5.70
" Forward						
Totals				56.89	-	91.53

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product
A.P.				1	
1/3 L from A.P.				4	
2/3 L from A.P.				2	
Amidships				4	
1/3 L from F.P.				2	
1/2 L " "				4	
F.P.				1	
				18	
Effective Mean Sheer					0.00
Standard " " .05L + 5					12.05
Difference					12.05

Mean Actual sheer aft = LESS THAN 1
 " Standard " "
 Mean Actual sheer forward = LESS THAN 1
 " Standard " "
 Length of enclosed superstructure forward of amidships =
 Length of Ship
 Length of enclosed superstructure aft of amidships =
 Length of Ship
 Sheer Correction = Difference $\times (1 - \frac{S}{2L}) = 12.05 \times .5483$
 = 6.608 ON.
 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

	+	-	Summer, Tanker, Steamer	Timber
Depth correction	1.77	-		
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'-0 7/8" 10.031 (d1)
 Addition for Keel .042
 Extreme draught 10'-0 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 "Giant 25"

OFFICIAL NUMBER 180110

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		5/16 1/4	5" x 5/16"	2'-3"	WELDED	2 @ 10" Dia.	5'-1"	7'-0"
R.Q.D. "								
Bridge Aft Bulkhead								
" Forward "								
Forecastle Bulkhead		5/16	3" x 3" x 1/4"	2'-0" x 2'-6"	WELDED	2 @ 11" 1'-10"	1'-3"	8'-0"
Trunk, Aft	5/16	1/4"	4" x 5/16 3/4 x 5/16	1'-8" 1'-10"				4'-0"
" Forward		5/16	4" x 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" x 5/16"	1'-9"	WELDED AT TOP BKT. AT BOTTOM.			8'-3" - 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	NO OPENINGS
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	

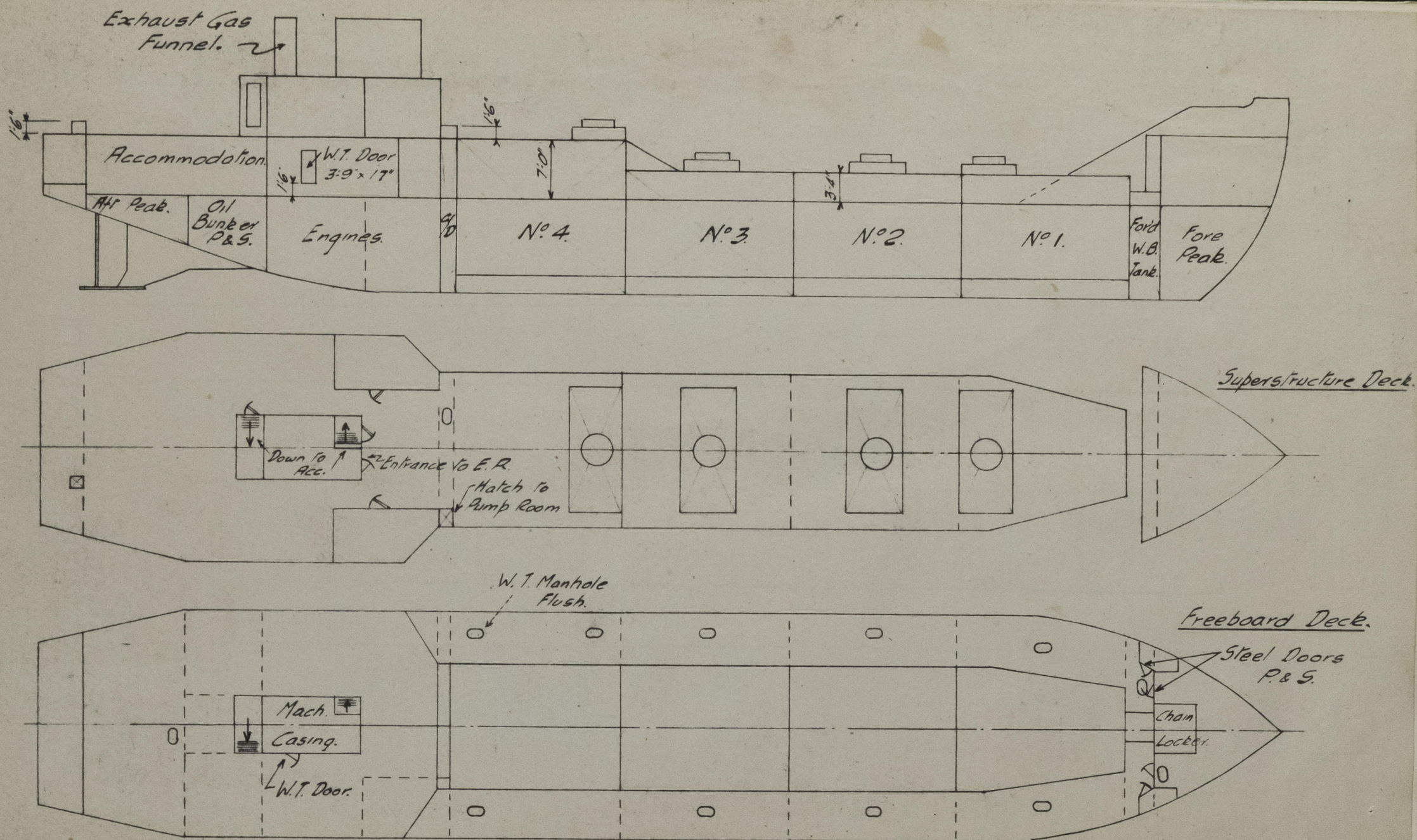
PARTICULARS OF FREEING ARRANGEMENTS

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

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



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PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	UPPER DECK + TRUNK TOP			POOP DECK + TRUNK TOP			HATCH TO AFT STORE
	CARGO HATCHES No. 1, 2, 3	OUTLIGHT HATCHES No. 1, 2, 3	SMALL O.T. HATCHES No. 1, 2, 3	CARGO HATCH No. 4	OUTLIGHT HATCH No. 4	SMALL O.T. HATCH No. 4	
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'-0" x 1'-10"
COAMINGS	Height { steel { deck above { wood {	4'-10" ABOVE UPPER DK.	5'-8" ABOVE UPPER DK.	8'-6" ABOVE UPPER DK.	8'-6" ABOVE UPPER DK.	5'-2" ABOVE UPPER DK.	8'-6" ABOVE UPPER DK.
	Thickness { sides { ends {	1'-6" COAMING	1'-6" COAMING	10" COAMING	10" COAMING	10" COAMING	1'-6"
	Stiffeners	5/16"	5/16"	3/4"	5/16"	5/16"	5/16"
Brackets or Stays	6" x 3" x 5/16" O.A.	6" x 3" x 5/16" O.A.	6" x 3" x 5/16" O.A.	6" x 3" x 5/16" O.A.	6" x 3" x 5/16" O.A.	6" x 3" x 5/16" O.A.	6" x 3" x 5/16" O.A.
HATCH BEAMS	Number	4" x 5/16"	4" x 5/16"	4" x 5/16"	4" x 5/16"	4" x 5/16"	4" x 5/16"
	Spacing						
	Scantling and Sketch						
FORE AND AFTERS	Bearing Surface and thickness of carriers or sockets						
	Number						
	Spacing						
HATCH COVERS	Unsupported lengths						
	Scantling and Sketch						
	Bearing Surface and thickness of carriers or sockets						
Material	WOOD	STEEL	STEEL	WOOD	STEEL	STEEL	WOOD
Thickness	2 5/8"	1/4" WITH 4" x 5/16" STIFF	5/8"	2 5/8"	1/4" WITH 4" x 5/16" STIFF	3/8"	2 5/8"
How Fitted	F. & A.	AT 2'-6" CRS.	F. & A.	AT 2'-6" CRS.	HINGED	2	F. & A.
Bearing Surface							
Spacing of Cleats	24"	COVER SECURED BY BOLTS AT 12" CRS.	COVER SECURED BY 8 DOGS	24"	COVER SECURED BY BOLTS AT 12" CRS.	COVER SECURED BY 8 DOGS	24"
Number of Tarpaulins	2	2 BOLTS	2	2	2 BOLTS	2	2

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

Are lashings provided in accordance with rule requirements? YES. 3 1/2" HEMP.

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

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

FITTED

YES.

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Fidley, 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 fidley covers, and if these are permanently attached in their proper positions)

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 accommodation on casing front steel door operated both sides 18" coaming -
 " " " " post side " " " " 18" "
 " " motor room " " stand " " " " 18" "

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)

1-9" scull vent starboard 3'-0" welded to deck. To pump room.

POOD DECK.

3'-6"	carol vent	port	3'-0"	coaming	studded to deck	To accommodation + galley
3'-6"	"	star	3'-0"	"	" " "	+ saloon.
5'-5"	G.N.	port	26"	"	" " "	" painting, crew's space, D.E.M.S. + aft store.
2'-5"	"	star	26"	"	" " "	- washplaces, W.C.
1'-8"	"	on L	26"	"	" " "	" D.E.M.S.
2'-5"	M.	port	"	"	" " "	- crew's space + D.E.M.S.
2'-5"	"	star	"	"	" " "	- accom. + W.C.
1'-5"	"	P+S.	11"	coaming	welded to trunk top	fitted to each hold.

For use when general cargo carrier

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

1-5" G.H. air pipe on $\frac{1}{2}$ 2'-0" above forecastle deck studded to deck. To fore peak.
 1-3" " " P.S. 2'-3" " upper " welded " " fitted with gauge. To fore cofferdam. 4.
 1-5" " " " 26" " " " " " " " " To tank side comp. No. 1, 2, 3
 1-5" " " port 14" " poop " " " " " " " after cofferdam.
 1-3" " " star 18" " " " " " " " " after peak.
 1-5" " " port 26" " upper " welded to deck. fitted with gauge. " after cofferdam.

LOWER BRIDGE

1-5" M.V. P+S. studded to deck. Officers' accommodation. 6" coaming.
Chart House.
 1-5" M.V. Centre of ship. studded to deck. Chart House. 6" coaming

Port. 1-2" G.M. screw down valve straight thro' type spindle extended to upper deck.

Star. 2-2"	10	12	14	16	18	20	22	24	26	28	30
1-4"	10	12	14	16	18	20	22	24	26	28	30

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 deadlights in poop sides fitted with permanent deadlights.
8" " " " " " forecabin " " " "

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)

5" x 2 1/2" stanchions fitted around sides & end of poop deck.
 " " " on upper deck from poop to forecabin front P.S. (3 rails 15" apart)
 " " " around forecabin deck (after end)

Gangways and Lifelines

3'-0" collapsible stanchions from poop front to forecabin front with $\frac{1}{2}$ " G.R. S.W. wire.

Gangway, Cargo and Coaling Ports in sides of ship

None

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