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Form LL. 4.C. Revised

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

"CAPE DREPANON"
ex

"FORT LA CLOCHE"

STEAMER, ~~TANKER~~, SAILED: FORT LA CLOCHE ~~WITH~~ WITHOUT TIMBER DECK CARGO

Nationality BRITISH Builders' Name and No. of Ship MARINE INDUSTRIES LTD
 Port of Registry LONDON. Greek SOREL P.O. NO 129.
 Official Number 169918. Owners DOMINION OF CANADA ON CHARTER TO M.O.W.T.
 Gross Tonnage 7151.7123 per 1107 ton. (OSCAR GROSS - LONDON) BURIES MARKES LTD LONDON.
 Date of Build JUNE 1944 date 30/9/54 Port and Date of survey SOREL DURING CONSTRUCTION.
 Name of Surveyor JAS. H. GREENHALGH.
 Particulars of Classification B S * (WITH FREEBOARD) Names of Sister Ships PORT ROYAL PARK, ALCONQUIN PARK etc.

Type of Superstructures FLUSH DECK

Trade of Ship

Service Endorsement If any

Line	Position	Measurement	Material	Corresponding Freeboard
SUMMER FREEBOARD	recommended amidships from centre of disc to top of deck line,		(<u>wood</u> steel)	<u>10'-6 1/2"</u>
TROPICAL FRESH WATER LINE	above centre of disc	<u>13 1/2"</u>		<u>9'-5"</u>
FRESH WATER LINE	" " "	<u>7"</u>		<u>9'-11 1/2"</u>
TROPICAL LINE	" " "	<u>6 1/2"</u>		<u>10'-0"</u>
WINTER LINE	below " "	<u>6 1/2"</u>		<u>11'-1"</u>
WINTER NORTH ATLANTIC LINE	" " "			

Line	Position	Corresponding Freeboard
SUMMER TIMBER FREEBOARD	recommended amidships from top of deck line	
TROPICAL FRESH WATER	Timber line above L.S.	
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

[Signature]
Chief Surveyor

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Lloyd's Register
Foundation
Secretary

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

on the 2ND AUGUST 1944

+18"

COMPUTATION OF FREEBOARD

Length on summer load line **417'6"** Moulded Breadth **56'10 1/2"** Moulded Depth **37'4"** Depth of Keel **3 1/4"**
 Moulded displacement (ex bossing) at moulded draught of 8 1/2 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 $\frac{\Delta}{40T} = .714$ inches
 Stringer Plate **.64** Round of Beam Correction **.053**
 Sheathing on exposed deck T $\frac{(L-S)}{L}$ **-** 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) **37.386** Difference **.35**
 Table Depth **4/15** **27.833** Restricted to
 Depth Correction **3x** **9.553** Correction $\frac{\text{Difference}}{4} \times (1 - \frac{E}{L}) = .0875 \times 1$
 If restricted by superstructures **28.659** **.09 OFF.**

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

FLUSH DECK.

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 = **-**

Form LL. 4.D.

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

SURVEY FOR FREEBOARD

CAPE DREPANON CONDITIONS OF ASSIGNMENT

SHIPS NAME **FORT LA CLOCHE** *GREEK*
 Nationality and Port of Registry **BRITISH LONDON**

OFFICIAL NUMBER **169918**

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. Decks	1 1/32"	5/16"	3" x 3" x 5/16"	30"	BKTS.	5' x 2' - 3"	24 1/8"	10' - 6"
Exposed Machinery Casings on superstructure decks	-	-	-	-	-	-	-	-
Machinery Casings within Superstructures not fitted with Cl. 1 closing appliances	-	-	-	-	-	-	-	-
Deckhouses on flush deck ships	5/16"	5/16"	5 1/2" x 3" x 5/16"	36"	BKTS.	5' x 2'	18 1/4"	7' - 6"

Station	Actual Sheer	Standard Sheer	Effective Sheer	S.M.	Product	Mean Actual Sheer aft	Mean Actual Sheer forward
A.P.	54.75	51.75	54.75	1	54.75	MORE THAN 1.	MORE THAN 1.
1/2 L from A.P.	23.50	23.03	23.50	4	94.00	MORE THAN 1.	MORE THAN 1.
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		4268 OFF
Standard " " .05L + 5					25.875		
Difference					0.569		

Length of enclosed superstructure forward of amidships = **-**
 Length of Ship = **-**
 Length of enclosed superstructure aft of amidships = **-**
 Length of Ship = **-**
 Sheer Correction = Difference X $(.75 - \frac{S}{2L}) = .569 \times .750 = .4268$ OFF
 If limited on account of midship superstructure to maximum allowance of 1 1/2 ins. per 100 ft. = **-**

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, WORKED FROM BOTH SIDES
Exposed Machinery Casings on superstructure decks	
Machinery Casings within superstructures not fitted with Cl. 1 Closing Appliances	
Deck houses on Flush Deck ships	HINGED WOOD DOORS (2" THICK) WORKED FROM BOTH SIDES

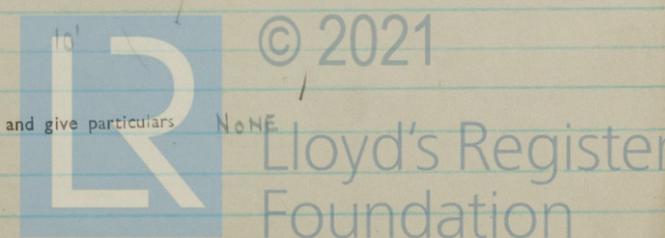
TABULAR FREEBOARD corrected for flush deck if required = **77 + 6.26 = 83.26**
 Correction for co-efficient = $\frac{1.4494}{136} = .8874$ DRAUGHTS AND SEASONAL CORRECTIONS

	+	-	Saloon, Tanker, Steamer	Timber
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				

Depth to Freeboard Deck in feet **37.386**
 Summer Freeboard in feet **10.542**
 Moulded Draught (d) **26.844** (d1)
 Addition for Keel $3/4 + 5/8$ **.115**
 Extreme draught **26.11 1/2** **26.959**
 Deduction for Tropical and addition for Winter freeboard $d/4 = 6 1/2$ ins.
 Addition for Winter North Atlantic (if required) **-** ins.
 Deduction for Tropical Timber Freeboard $\frac{d1}{d}$ **-** ins.
 Addition for Winter " " $\frac{d1}{3}$ **-** ins.
 " " N.A. Timber Freeboard (if required) **-** ins.

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	ON UDK, AMIDSHIPS 132' - 0"	3' - 6"	4 @ 3' - 0" x 9" DEEP	9 FT ²	
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			NONE		
Give particulars of freeing port area, etc., on superstructure decks					



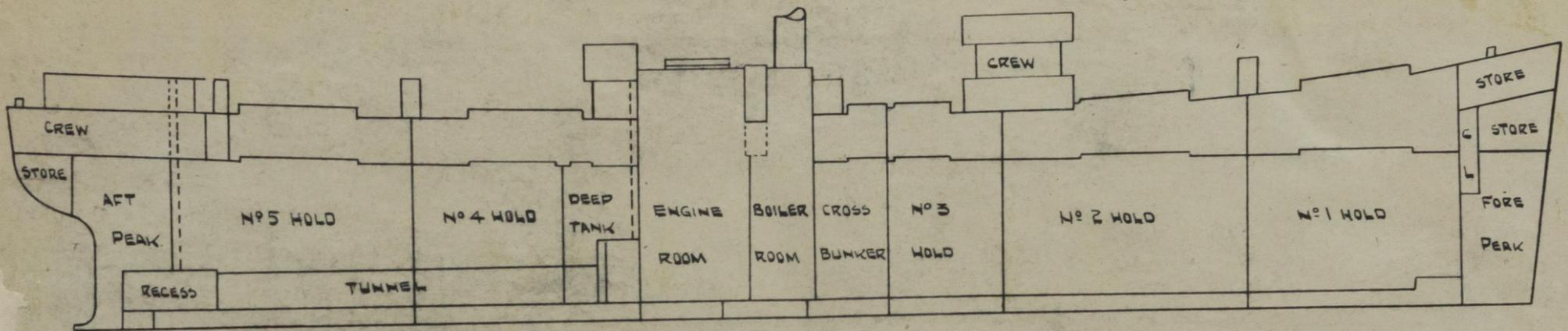
STORE

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

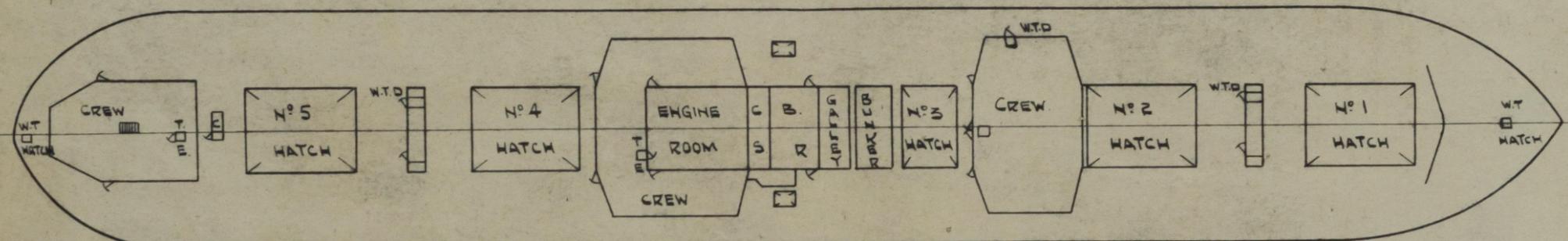
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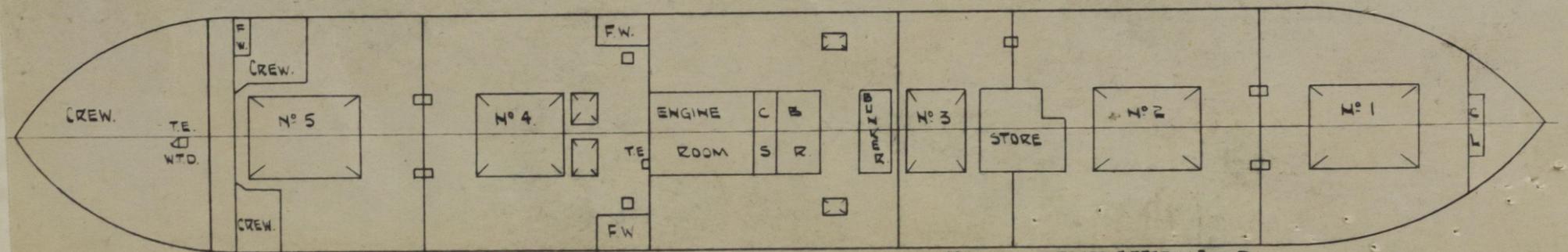
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PROFILE.



FREEBOARD DK.



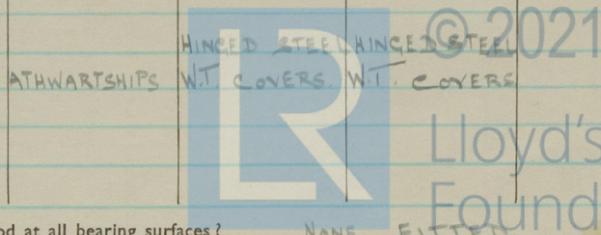
SECOND DK.

TRIMMING HATCHES FITTED IN 2ND DK TO HOLDS - STEEL HINGED COVERS.

0088 4/9

PARTICULARS OF ALL HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS

Number and description of Hatchway from forward	No.1	No.2	No.3	BUNKER	No.4	No.5	COAL HATCHES PYS	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 of sides	7/16"	Do.	Do.	Do.	Do.	Do.	Do.	Do.
	Stiffeners	7/16"	Do.	Do.	Do.	Do.	Do.	Do.	Do.
HATCH BEAMS	Brackets or Stays	7 x 3 1/2 x 3/8"	1/32"	1/32"	1/32"	1/32"	1/32"	1/32"	1/32"
	Number	5	5	2	1	5	5		
	Spacing	5'-7 1/2"	5'-10"	4'-7 1/2" & 5'-10"	4'-0"	5'-10"	5'-10"		
FORE AND AFTERS	Scantling and Sketch	18 1/2" x 1/32"	18 1/2" x 1/32"	18 1/2" x 1/32"	18 1/2" x 5/16"	18 1/2" x 1/32"	18 1/2" x 1/32"		
	Bearing Surface and thickness of carriers or sockets	5" x 3" x 3/8"	Do.	Do.	5" x 3" x 3/8"	Do.	Do.		
	Number	NONE	Do.	Do.	Do.	Do.	Do.		
HATCH COVERS	Material	B.C. FIR.							
	Thickness	2 7/8"							
	How Fitted	F & A.							
HATCH COVERS	Bearing Surface	3"							
	Spacing of Cleats	24"							
	Number of Tarpaulins	2							



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

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

Are lashings provided in accordance with rule requirements? LOCKING BARS FITTED.

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

0088 6/9

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)

E.T.B. CASING TOPS 10'-6" ABOVE U.D.K.
E.R. SKYLIGHT, STEEL WITH HINGED STEEL COVERS HINGES PERMANENTLY SECURED
FUNNEL SECURED DIRECT TO CASING TOP SKYLIGHT COAMING BOLTED TO CASING TOP
BAR ESCAPE HATCH TO BR 24" x 24" HINGED AND ONE TUGGLE WORKING BOTH SIDES,
ON TOP OF FIDDLEY.

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,
WORKED FROM BOTH SIDES.
ENTRANCES IN DECKHOUSE AFT - 24" COAMING, 2" HARDWOOD DOORS SOLID,
WORKED BOTH SIDES.
HINGED STEEL WT. (RUBBER JOINTED + TUGGLED) DOORS ON ALL ACCESSES TO T.W. DECKS
AND HOLDS WORKED FROM BOTH SIDES, DITTO TO TUNNEL ESCAPE IN T.D.K. 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)

U.D.K. COAMINGS 36" MINIMUM.
WELDED ABOVE AND BELOW D.K.
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 UPPER DECK.
WOOD PLUGS AND CANVAS COVERS FITTED.

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

IN TWEEN DECKS:
PORT - 7 STORM VALVES FROM DECKHOUSES,
STARB° - 6 " " " "
PORT & STARB° - 1 " " DOUBLE FROM AFT ACCOMMODATION
" " - 1 " " CEARED TO UPPER DK. FROM REFRIG. CHAMBERS
TO RUDDER TRUNK IN R VALVE " " " " " TRANSOM COMPT.

VALVES OF 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.) HINGED PERMANENT DEADLIGHTS
TO CREW SPACE AFT.

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

FOREMOST SIDE SCUTTLE AFT IS 36" VERTICALLY BELOW U.D.K.

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

STEEL BULWARK AMIDSHIPS.

3 ROD RAILS AND STANCHIONS ELSEWHERE, EXCEPT AT
SPIRCKETTING PLATE WHICH EXTENDS TO FORE-END No. 1. HATCH.

Gangways and Lifelines

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

Gangway, Cargo and Coaling Ports in sides of ship

NONE.

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

