

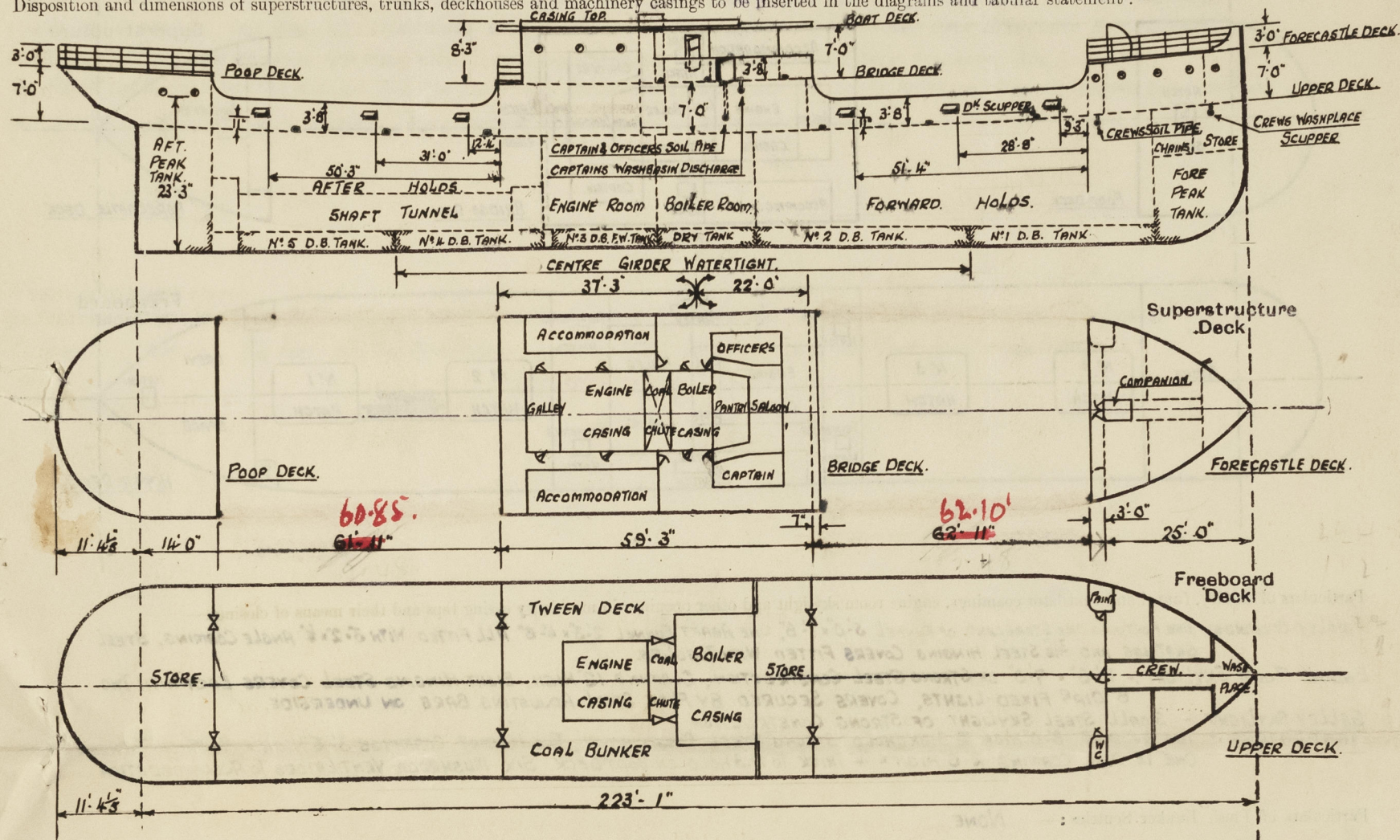
# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

### (CONDITIONS OF ASSIGNMENT.)

Ship's Name S.S. "HALVARD BRATT."Port of Survey LONDON.Official Number Y621.Surveyor's Signature Alex. M. JenkinsNationality and Port of Registry SWEDISH GOTHENBURG.Date of Survey 4th & 6th APRIL 1942.

Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement: -



Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	18" x 1/4"	1/4"	5 1/2" x 2 1/2" x 5/16" CHANNEL	24"	BRACKETS TOP & BOT.	4'-8" x 3'-1"	18"	7'-0"
Raised Quarter Deck Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Bridge, After Bulkhead ...	20" x 3/8"	1/4"	3 1/2" x 3" 1/4" ANGLE	28"	BRACKETS TOP & BOT.	6'-0" x 3'-1"	3"	7'-0"
Bridge, Forward Bulkhead ...	20" x 3/8"	5/16"	9 1/2" x 5/16" PLATE FLANGED 3"	30"	LUGS TOP & BOT. ONE RIVET THRO'	4'-8" x 3'-1"	18"	7'-0"
Forecastle Bulkhead ...	38 1/2" x 3/16"	3/16"	3 1/2" x 3" 1/4" ANGLE	24"	TOP & BOTTOM BAR	5'-0" x 2'-1"	13"	7'-0"
Trunk, Aft ...	✓	✓	✓	✓	✓	✓	✓	✓
Trunk, Forward ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Superstructure Decks ON BRIDGE DECK...	18" x 3/8"	1/4"	BULKHEADS FORM STIFFERS	ABOUT 24"	✓	4'-8" x 2'-0"	18"	8'-3"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ON BRIDGE DECK INSIDE ALLEYWAYS.	18" x 3/8"	1/4"	3" x 2" x 5/16" L <sub>3</sub>	30"	NONE.	NIL	7"	7'-0"
Deckhouses on Flush Deck Ships ...	✓	✓	✓	✓	✓	✓	✓	✓

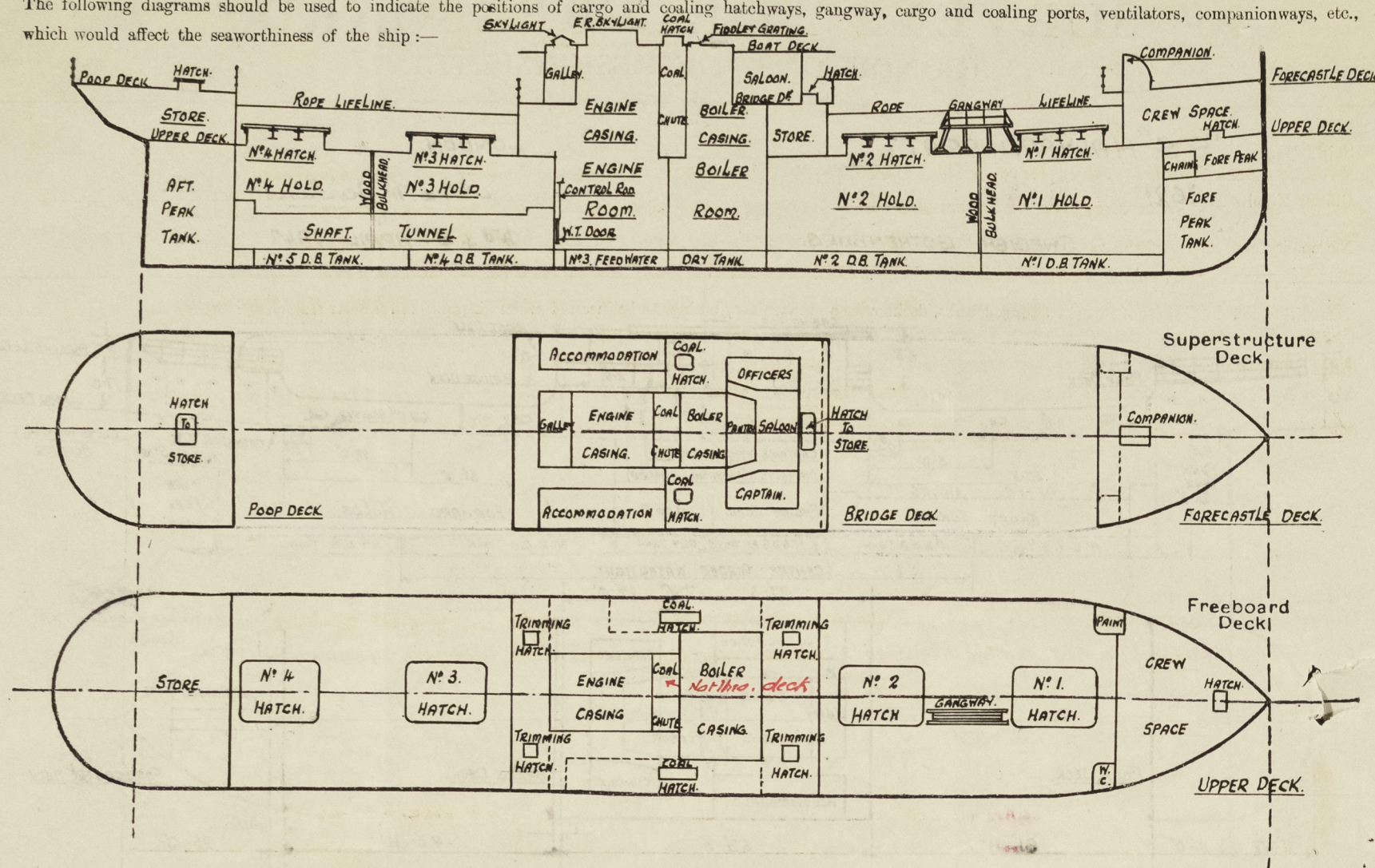
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead <u>closed</u> ...	TWO OPENINGS 4'-8" x 3'-1" STEEL PLATES SECURED BY HOOK BOLTS SPACED ABOUT 21" APART. FLAT BAR FRAME ROUND PLATE AND ONE ANGLE STIFFENER AT MIDDLE. OPERATED FROM OUTSIDE ONLY. RIVETED CHANNELS ON OUTSIDE FOR WEATHER BOARDS (NOT NOW USED)
Raised Quarter Deck Bulkhead ...	NONE.
Bridge, After Bulkhead ...	TWO OPENINGS 6'-0" x 3'-1" STEEL PLATES SECURED BY HOOK BOLTS SPACED 10" APART FLAT BAR FRAME ROUND PLATE AND STIFFENER ANGLE AT MIDDLE. OPERATED FROM OUTSIDE ONLY.
Bridge, Forward Bulkhead ...	TWO OPENINGS 4'-8" x 3'-1" STEEL PLATES SECURED BY HOOK BOLTS SPACED ABOUT 21" APART ANGLE FRAME ROUND PLATE AND ONE ANGLE STIFFENER AT MIDDLE. OPERATED FROM OUTSIDE ONLY. RIVETED CHANNELS ON OUTSIDE FOR WEATHER BOARDS (NOT NOW USED).
Forecastle Bulkhead ...	ONE OPENING AT MIDDLE LINE. STEEL HINGING DOOR OPERATED FROM BOTH SIDES.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	NONE.
Exposed Machinery Casings on Superstructure Decks ON BRIDGE DECK...	ONE OPENING P&S. SIDE TO BOILER ROOM. STEEL HINGING DOOR IN HALVES OPERATED FROM BOTH SIDES.
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ON BRIDGE DECK INSIDE ALLEYWAYS.	on freeboard Deck in No openings
Deckhouses on Flush Deck Ships ...	ONE OPENING P&S. SIDE TO ENGINE ROOM. STEEL HINGING DOOR IN HALVES OPERATED FROM BOTH SIDES.



## PARTICULARS OF PROTECTION TO OPENINGS, ETC.

The following diagrams should be used to indicate the positions of cargo and coaling hatchways, gangway, cargo and coaling ports, ventilators, companionways, etc., which would affect the seaworthiness of the ship:—



Particulars of fiddle, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

**FIDDLE OPENINGS:**— ONE PORT AND ONE STARBOARD OF FUNNEL 5'-0" x 1'-8", ONE ABAFT FUNNEL 2'-8" x 4'-6" ALL FITTED WITH 3'-2" x 1/4" ANGLE COAMING, STEEL GRATINGS AND 3/16" STEEL HINGING COVERS FITTED WITH TUGGLES.  
**ENGINE ROOM SKYLIGHT:**— 11'-6" x 7'-0" OF STRONG STEEL CONSTRUCTION, COAMING 12" HIGH, EIGHT HINGING STEEL COVERS EACH WITH TWO 8" DIA. FIXED LIGHTS, COVERS SECURED BY FLAT STEEL ADJUSTING BARS ON UNDERSIDE.  
**GALLEY SKYLIGHT:**— SMALL STEEL SKYLIGHT OF STRONG CONSTRUCTION.  
**VENTILATORS:**— TWO 24" DIA. 8'-0" HIGH TO STOKEHOLD, STRONG STEEL CONSTRUCTION, TWO 16" DIA. COAMINGS 3'-6" HIGH x 1/4" THICK TO ENGINE ROOM, ONE 12" DIA. COAMING 2'-0" HIGH x 1/4" THICK TO N°3 HOLD ON BOAT DECK. SIX MUSHROOM VENTILATORS TO ACCOMMODATION.

Particulars of Flush Bunker Scuttles:— NONE.

Particulars of Companionways:— ONE COMPANIONWAY ON FORECASTLE DECK TO CREW SPACE 3'-10" x 2'-8" 5'-3" HIGH, OF STEEL PLATING 1/4" THICK, 1 3/4" x 1 3/4" x 1/4" ANGLE FRAME AND ONE ANGLE STIFFENER ON EACH SIDE OPENING 4'-3" x 2'-3" SILL 9 1/2" HIGH DOUBLE HINGING STEEL DOORS OPERATED FROM BOTH SIDES.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—

**ON FORECASTLE DECK:**— TWO OFF 18 1/2" DIA. COAMINGS 2'-6" HIGH x 1/4" THICK TO N°1 HOLD, FOUR OFF 5 1/2" DIA. COAMINGS 12" HIGH x 3/16" THICK TO CREW SPACE. THREE OFF CAST IRON GOOSENECK VENTILATORS 6 1/2" x 3", OPENING 11 1/2" ABOVE DECK FITTED WITH HINGING W.T. COVERS ONE EACH TO PAINT LOCKER, CREWS W.C. AND CREWS WASHPLACE.

**ON UPPER DECK FORWARD:**— TWO OFF 18 1/2" DIA. COAMINGS 2'-7 1/2" HIGH x 1/4" THICK TO N°1 & 2 HOLD SITUATED ABEAST FORE MAST. (1P & 1S).

**ON BRIDGE DECK:**— TWO OFF 11" DIA. COAMINGS 2'-0" HIGH x 1/4" THICK TO BRIDGE TWEEN DECK.

**ON UPPER DECK AFT:**— TWO OFF 18 1/2" DIA. COAMINGS 2'-7 1/2" HIGH x 1/4" THICK TO N°3 & 4 HOLD SITUATED ABEAST MAIN MAST. (1P & 1S).

ONE OFF 5 1/2" DIA. ON TOP OF STRONGLY CONSTRUCTED STEEL TRUNK RIVETED TO POOP FRONT BULKHEAD COAMING 2'-0" HIGH ABOVE POOP DECK x 3/16" THICK VENTILATOR TO TUNNEL.

**ON POOP DECK:**— ONE OFF 5 1/2" DIA. COAMING 2'-0" HIGH x 3/16" THICK TO POOP TWEEN DECK.

ALL VENTILATORS ARE COWL HEAD TYPE EXCEPT WHERE OTHERWISE STATED AND ARE PROVIDED WITH EFFICIENT WOOD PLUGS AND CANVAS COVERS.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—

**ON FORECASTLE DECK:**— ONE OFF 4 1/2" DIA. TO FORE PEAK TANK OPENING 28" ABOVE DECK PROTECTED BY BOW SPIRKETING PLATE.

**ON UPPER DECK FORWARD:**— FOUR OFF PORT AND FOUR OFF STARBOARD 2" DIA. TO D.B. TANKS OPENINGS 34" ABOVE DECK PROTECTED BY BULWARKS.

**ON UPPER DECK AFT:**— THREE OFF PORT AND THREE OFF STARBOARD 2" DIA. TO D.B. TANKS OPENINGS 34" ABOVE DECK PROTECTED BY BULWARKS.

**ON POOP DECK:**— ONE OFF 3" DIA. TO AFTER PEAK TANK OPENING 8 1/2" ABOVE DECK.

ALL AIR PIPES ARE GOOSENECK TYPE AND ARE PROVIDED WITH EFFICIENT WOOD PLUGS.

Particulars of Gangway Cargo and Coaling Ports:— NONE IN SHIP'S SIDE.

ONE GANGWAY PORT EACH SIDE IN BRIDGE DECK BULWARK.

Particulars of Scuppers and Sanitary Discharge Pipes:—

**ON UPPER DECK FORWARD:**— THREE PORT AND THREE STARBOARD 3 1/2" x 3" SCUPPERS CUT THROUGH STRINGER BAR AND SHEERSTRAKE.

**ON BRIDGE DECK:**— FOUR PORT AND FOUR STARBOARD 3 1/2" x 3" SCUPPERS CUT THROUGH STRINGER BAR AND SHEERSTRAKE.

**ON UPPER DECK AFT:**— THREE PORT AND THREE STARBOARD 3 1/2" x 3" SCUPPERS CUT THROUGH STRINGER BAR AND SHEERSTRAKE.

**ON POOP DECK:**— ONE PORT AND ONE STARBOARD 3 1/2" x 3" SCUPPERS CUT THROUGH STRINGER BAR AND SHEERSTRAKE.

ONE 2" DIA. CREWS WASHPLACE SCUPPER WITH STORM VALVE DISCHARGING OVERBOARD JUST BELOW FREEBOARD DECK PORT SIDE FORWARD.

ONE 4" DIA. CREWS W.C. SOIL PIPE WITH STORM VALVE DISCHARGING OVERBOARD JUST BELOW FREEBOARD DECK STARBOARD SIDE FORWARD.

ONE 2" DIA. CAPTAIN'S BATH DISCHARGE WITH STORM VALVE DISCHARGING OVERBOARD JUST BELOW BRIDGE DECK STARBOARD SIDE AMIDSHIPS.

ONE 4 1/2" DIA. CAPTAIN AND OFFICERS W.C. SOIL PIPE WITH STORM VALVE DISCHARGING OVERBOARD JUST ABOVE FREEBOARD DECK STARBOARD SIDE AMIDSHIPS.

NOTE: GALLEY AND PANTRY HAVE NO SCUPPERS SINKS DISCHARGE INTO PORTABLE CONTAINERS.

Particulars of Side Scuttles:—

**ON FORECASTLE SIDE PLATING:**— SIX PORT AND FIVE STARBOARD 9" AND 10" DIA. CAST IRON SIDE SCUTTLES WITH CAST IRON DEADLIGHTS.

**ON POOP SIDE PLATING:**— TWO PORT AND TWO STARBOARD 9" DIA. CAST IRON SIDE SCUTTLES WITH CAST IRON DEADLIGHTS.

Vertical distance of Sill of lowest Side Scuttle above top of keel 23'-3" IN POOP SIDE PLATING.

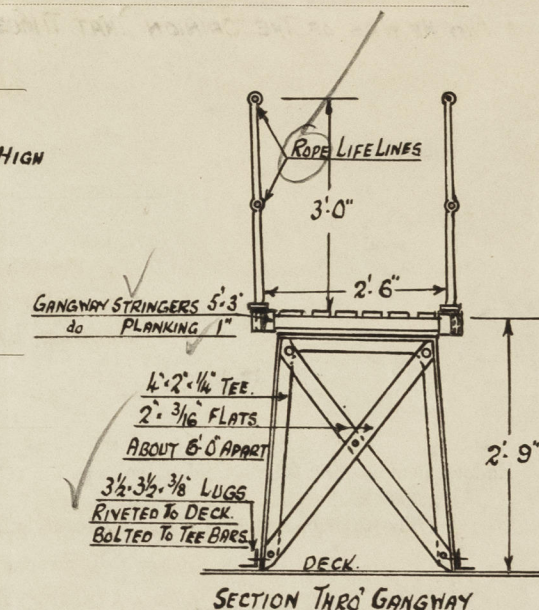
Particulars of Guard Rails:—

ROUND POOP DECK, FORECASTLE DECK AND ON AFTER END OF BRIDGE DECK FORGED STEEL STANCHIONS 3'-0" HIGH THREE RODS 12" APART TOP ROD 1" DIA. LOWER RODS 7/8" DIA.

Particulars of Gangways, Lifelines, etc.:—

GANGWAY IN FORWARD WELL BETWEEN N°1 & 2 HATCHWAYS SEE SKETCH.

EFFICIENT LIFELINES PROVIDED IN AFTER WELL AND TO GANGWAY ENDS IN FORWARD WELL.



Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well ...	60' 85" 61' 3"	3' 8"	2' 8" LONG x 1' 8" DEEP	THREE.	13 1/4 Sq Ft.	12.17 12 1/2 Sq Ft.
Forward Well ...	62' 10'	3' 8"	2' 8" LONG x 1' 8" DEEP	THREE.	13 1/4 Sq Ft.	12.45 12 1/2 Sq Ft.

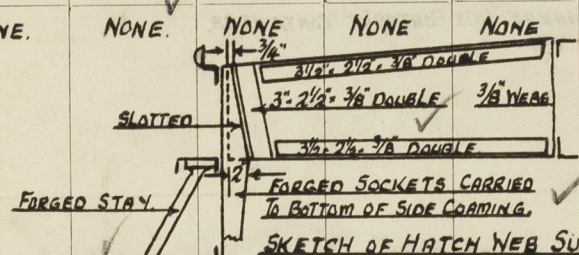
State position of each freeing port ... (After Well:— ABAFT BRIDGE AFT BULKHEAD N°1 = 12' 4", N°2 = 31' 0", N°3 = 50' 3" ALL 11" ABOVE DECK TO (F. and A. position and height above deck edge) (Forward Well:— ABAFT FORECASTLE BULKHEAD N°1 = 9' 3", N°2 = 28' 8", N°3 = 51' 4" BOTTOM OF OPENING.

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— HINGING SHUTTERS AND TWO VERTICAL BARS ON EACH.

Additional area where sheer is less than standard.



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
Description of Hatchway	Nº 1 CARGO HATCH	Nº 2 CARGO HATCH	Nº 3 CARGO HATCH	Nº 4 CARGO HATCH	HATCH TO FORE PEAK	BUNKER HATCH ON CABING TOP	BUNKER HATCH ON BRIDGE DECK	HATCH TO STORE ON BRIDGE DECK	HATCH TO STORE ON POOP DECK	TRIMMING MATCHES IN BRIDGE SPACE
Dimensions of Hatchway	19'0" x 13'9"	19'0" x 13'9"	17'0" x 13'9"	17'0" x 13'9"	2'0" x 3'0"	2'9" x 10'4"	3'0" x 3'0"	2'3" x 6'6"	3'0" x 3'0"	1'8" x 2'6"
COAMINGS	Height above Deck	3 1/2"	3 1/2"	3 1/2"	8"	22"	18"	18"	18"	9 1/2"
	Thickness	7/16"	7/16"	7/16"	3/16"	3/8"	1/4"	1/4"	5/16"	5/16"
	Stiffeners	5" x 2 1/2" x 5/16" CHANNEL ON SIDE COAMINGS				NONE	NONE	NONE	NONE	NONE
	Brackets, Stays	THREE FORGED STAYS ON EACH SIDE				NONE	NONE	NONE	NONE	NONE
HATCH BEAMS	Number	THREE	THREE	TWO	TWO	NONE	NONE	NONE	NONE	NONE
	Spacing	4'9"	4'9"	5'8"	5'8"	NONE	NONE	NONE	NONE	NONE
	Scantling and Sketch	SEE SKETCH.				19 1/2" AT MIDDLE LINE STRAIGHT ON BOTTOM 12 1/2" AT SIDES	WEB PLATES 3/8" TOP & BOTTOM ANGLES 3 1/2" x 2 1/2" x 3/8" DOUBLE 3 1/2" FLANGES HORIZONTAL			
	Bearing Surface	SEE SKETCH.								
FORE AND AFTERS	Number	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
	Spacing									
	Unsupported Lengths									
	Scantling* and Sketch									
	Bearing Surface									
HATCH COVERS	Material	PINE	PINE	PINE	PINE	PINE	PINE	PINE	PINE	PINE
	Thickness	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2"	2"	2"	2"	2"
	How fitted	FORE & AFT	FORE & AFT	FORE & AFT	FORE & AFT	FORE & AFT	FORE & AFT	FORE & AFT	FORE & AFT	FORE & AFT
	Bearing Surface	3"	3"	3"	3"	2 3/4" ALL ROUND	2 3/4" ALL ROUND	1 3/4" ALL ROUND	1 3/4" ALL ROUND	1 3/4" ALL ROUND
Spacing of Cleats	19 1/2"	19 1/2"	23"	23"	NONE	24"	19"	19"	19"	21"
Number of Tarpaulins	TWO	TWO	TWO	TWO	NONE	TWO	TWO	TWO	TWO	ONE

\*Are wood fore and afters steel shod at all bearing surfaces? NO FORE & AFTERS.

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

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

Are lashings provided in accordance with rule requirements? TWO LOCKING BARS ON Nº 1 & 2 HATCHES. 3 LOCKING BARS ON Nº 3 & 4 HATCHES 4" x 2" x 1/4" CHANNELS.

ONE HATCH PORT & ONE HATCH STARBOARD IN BRIDGE SPACE TO BUNKERS COULD NOT BE EXAMINED OWING TO COAL IN BETWEEN DECKS AS FAR AS COULD BE ASCERTAINED EACH HATCH IS ABOUT 9'0" x 3'0" WITH ANGLE FRAME ON DECK ROUND OPENING AND FITTED WITH WOOD COVERS. NO CLEATS BATTENS OR TARPAILING FITTED.

Particulars of any special features:—

THIS VESSEL IN HER PEACE TIME TRADE WAS FITTED FOR CARRYING TIMBER DECK CARGOES. ANGLE SOCKETS FOR UPRIGHTS ARE FITTED IN THE WELL DECKS BUT NO OTHER FITTINGS WERE EXAMINED. THE CAPTAIN STATED NO TIMBER CARGOES HAVE BEEN CARRIED IN HER PRESENT SERVICE. AND HE WAS OF THE OPINION THAT TIMBER MARKINGS WERE NOT REQUIRED.

Endorsement at first survey and at surveys for renewal of Certificate:—

The fittings and appliances are in accordance with the particulars shown on this form (or as now modified) and are in good condition.



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