

Lloyd's Register of Shipping.

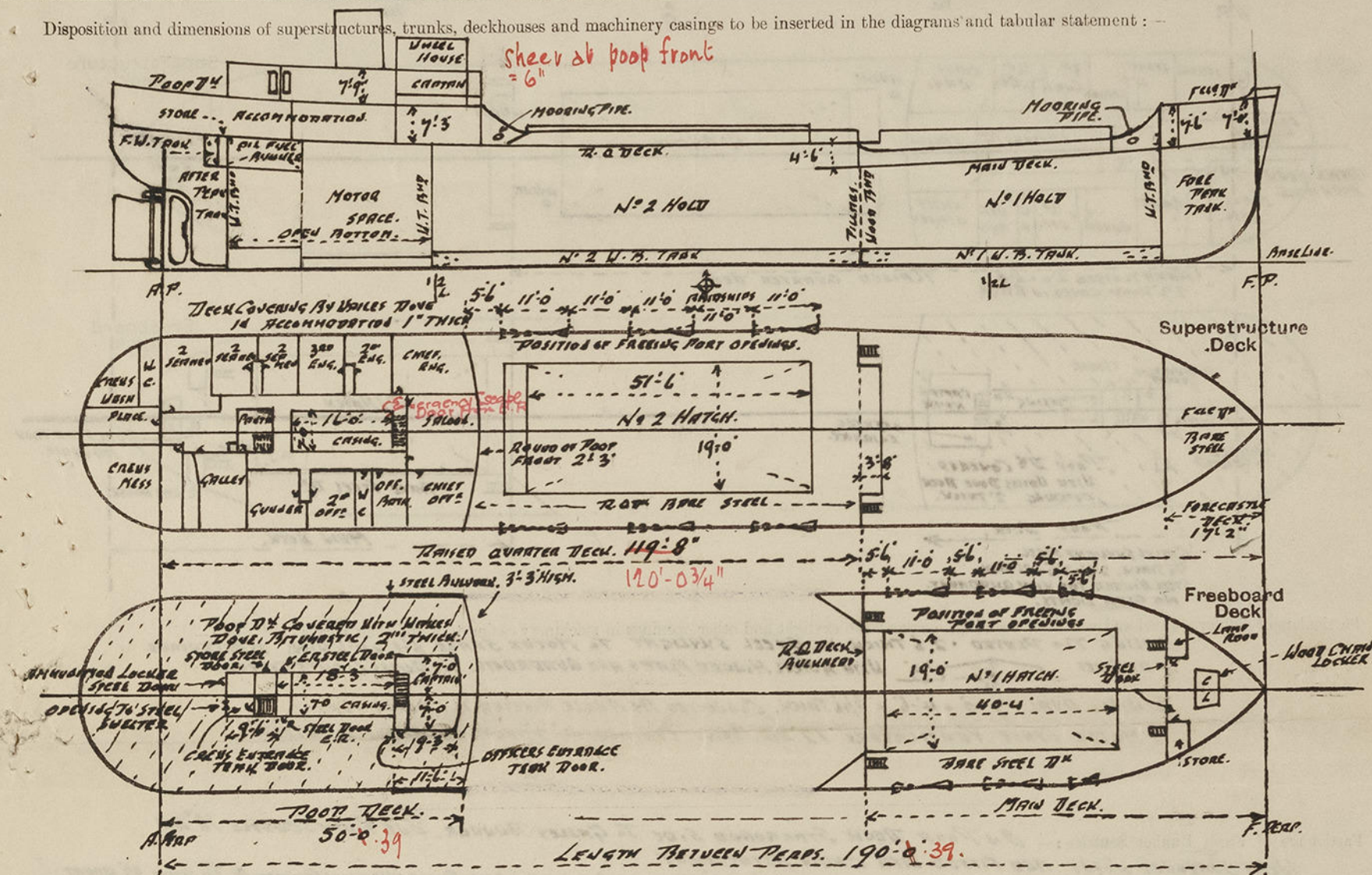
SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

"HARCLIFF"

Ship's Name MOTOR COASTER "EMPIRE CLIFF"Port of Survey HULL.Official Number 164908Surveyor's Signature M. J. EnglandNationality and Port of Registry BRITISH. GOOLE.Date of Survey WHILE BUILDING AT GOOLE.

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 ...	✓	.26	5 x 3 x 5/16 ✓	30" ✓	KNEES TOP AND BOTTOM.	NONE	✓	7'-3" ✓
Raised Quarter Deck Bulkhead ...	✓	.32	3 x 3 x 5/16 L ALSO DIAPHRAGM PLATES AT CENTRE AND SIDES.	33" ✓	✓	NONE	✓	4'-6" ✓
Bridge, After Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Bridge, Forward Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Forecastle Bulkhead (SIDE HOUSES)	✓	.26 ✓	2 1/2 FLANGES ✓	33" ✓	✓	STEEL DOOR 5'-0" x 1'-11" ✓	21" ✓	7'-6" ✓
Trunk, Aft ...	✓	✓	✓	✓	✓	✓	✓	✓
Trunk, Forward ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Superstructure Decks	✓	.26 ✓	3 x 2 1/2 x .26	28" ✓	KNEES AT TOP.	4'-6" x 1'-10"	21" ✓	7'-9" ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	18" x 32"	.26 ✓	3 x 2 1/2 x .26	28" ✓	✓	4'-6" x 1'-9" NO OPENINGS	6" ✓	7'-3" ✓
Deckhouses on Flush Deck Ships ...	✓	✓	✓	✓	✓	✓	✓	✓

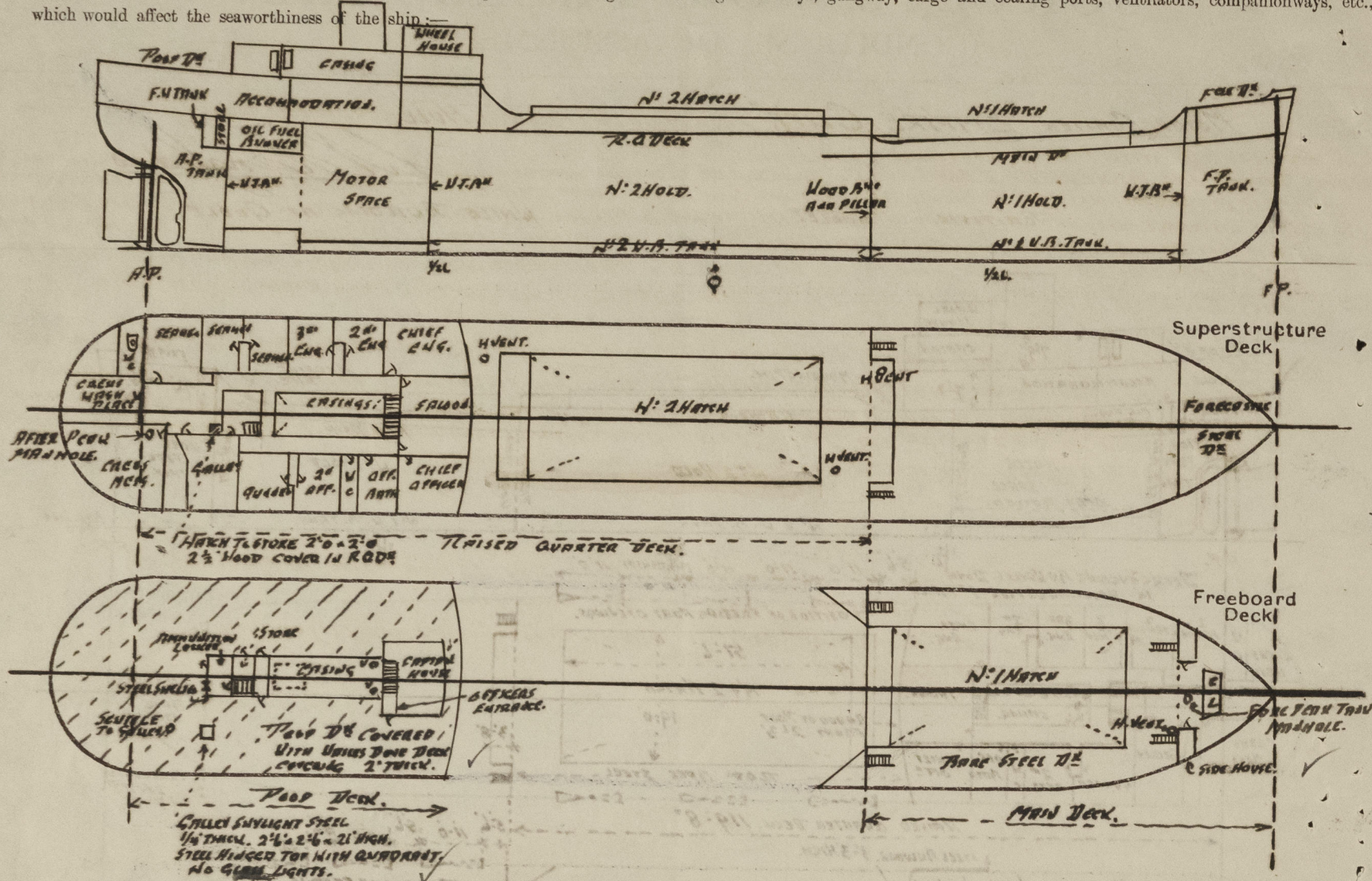
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	NO OPENINGS. ✓
Raised Quarter Deck Bulkhead ...	NO OPENINGS. ✓
Bridge, After Bulkhead ...	✓
Bridge, Forward Bulkhead ...	✓
Forecastle Bulkhead ...	open Forecastle.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	FORECASTLE SIDE HOUSES 1P. 1S. STEEL HINGED DOOR WITH SPRING LOCKS HANDLES BOTH SIDES. ✓
Exposed Machinery Casings on Superstructure Decks	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓
Deckhouses on Flush Deck Ships ...	✓

OFFICERS ENTRANCE STEEL DOOR 7'-5" x 4'-6" x 1'-10" SPRING LOCKS AND HANDLES BOTH SIDES. OFFICERS ENTRANCE ON STARBOARD SIDE OF CAPTAIN'S DECKHOUSE TEAK DOOR 4'-6" x 5'-9" x 1 3/8 THICK, SPRING LOCK HANDLES BOTH SIDES. CREWS ENTRANCE BY TEAK DOOR 4'-6" x 1'-10" 21" SILL SPRING LOCK AND HANDLES BOTH SIDES. PROTECTED BY STEEL SHELTER HAVING ENTRANCE OPENING 4'-7" x 2'-0" WITH 22" SILL. AMMUNITION LOCKER AND STORE STEEL DOORS HINGED 4'-6" x 2'-0" WITH 21" SILL, TURNER JOINTED AND SECURED BY BUTTERFLY FASTENERS. NO OPENINGS. Emergency escape gladders from Engine Room. Hinged steel shutter located, operated from Engine Room. secured by 5 Butterfly fasteners. ✓

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 fiddley, funnel and ventilator coannings, engine room skylight and other openings in machinery casing tops and their means of closing:—
 CASING TOP PLATED .26 THICK. STEEL SKYLIGHT TO MOTOR SPACE 6'-1" x 4'-6" WIDE. 21" IN CENTRE
 9" AT SIDES WITH 4 STEEL HINGED FLAPS AND QUADRANTS. NO GLASS LIGHTS FITTED. ✓

FUNNEL OVAL 7'0" x 4'-6" x 3/16 THICK. COLLECTED BY HADGE RIVETED TO CASING TOP. ✓
2 MOTOR SPACE VENTILATORS 12 DIA. BULL. COATING. 4'-3" ABOVE CASING TOP x 3/4 THICK.

*Particulars of Flush Bunker Scuttles:— ON POOP DECK STARBOARD SIDE TO GALLEY BUNKER. ONE FLUSH SCUTTLE 18' DIA
WITH BRAYLEY JOINT AND FITTED WITH CHAIN ATTACHMENT.
ON MAIN DECK UNDER FORECASTLE TO FORE PEAK TANK 17' x 13½" MANHOLE, CLOSED BY STEEL PLATE .29 THICK SECURED AT ⅞ STOPS
ON A.R. DECK UNDER POOP TO AFTER PEAK TANK 17' x 13½ " " " " " " " " "*

Particulars of Companionways:— *ENTRANCE TO OFFICERS ACCOMMODATION IN POOP SPACE BY CENTRE STAIRWAY LEADING FROM POOP DECK AND ENTERED BY TEAK DOOR 1 3/8" THICK IN STARBOARD SIDE OF CAPTAIN'S DECKHOUSE ON POOP DECK. ✓*
ENTRANCE TO CREWS ACCOMMODATION IN POOP SPACE BY STAIRWAY LEADING FROM POOP DECK. HAVING TEAK DOOR 1 3/8" THICK AND ENTERED THROUGH STEEL SNEETER HAVING OPENING IN AFTER END. 4'6" x 2'0". ✓

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

COAL VENTILATOR ON MAIN DECK TO J-1 HOLD 13 1/2" DIA. BRASS 8'-3" ABOVE MAIN DECK. 40TMM. SUPPORTED BY WELDED KEEF TO FORECASTLE SIDEHOUSE.

RQ D th . . . 1 . . . 13½ . . . 4'-11" . . . RQ . . . 1.40 . . . PORT SIDE. ✓	} supported.
RQ D th . . . 2 . . . 13½ . . . 4'-11" . . . RQ . . . 1.40 . . . STARBOARD.	
RQ D th . . . 2 . . . 13½ . . . 8'-6" . . . RQ D th . . . 1.40 . . . SUPPORTED TO THE FRONT BY HELD RISE ✓	
P.O.S. POOP D th To ENGINE ROOM. 6' . . . 2'-9" x .32 2 OFF. ✓	
P.S. . . . Passageway 6' . . . 2'-9" x .32 2 " ✓	
FEAR 6' . . . 2'-9" x .32 1 " ✓	
STARBOARD GALLEY 6' . . . 2'-9" x .32 1 " ✓	

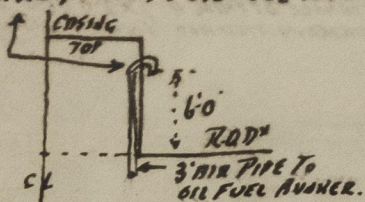
WOOD PLUGS FITTED WITH $\frac{1}{8}$ " STEEL PLATES. AND CANVAS COVERS SUPPLIED TO ALL COW VENTILATORS.

Mushroom Ventilators 5' Dia on Pier Deck To Accommodated. 18 off ✓
" " 5 " Flying Bridge " 1 "

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

ON FORECASTLE DECK TO FORE PEAK TANK PROTECTED UNDER BOU CHOCK 3' DIA GOOSE NECK 18" TO MOUTH. ✓

MAIN	N° 1 N.B. TANK	2 OFF GOOSE NECKS	3' DIA.	42" TO MOUTH.	PROTECTED BY STEEL SIDE HOUSES.	✓
R.Q.	N° 2 N.B.	2 OFF	3'	30'	UNDER STEEL BULKHEAD.	✓
R.Q.	N° 2 V.B.	2 OFF	3'	30'	IN CENTRE OF R.A.D.K.	✓
POOP	AFTER PEAK	1	3'	18'		✓
CASING SIDE TO OIL FUEL BUNKERS		1	3'	6'-0"	FITTED WITH GRUZE at MOUTH.	✓



TANK AIR PIPES FITTED SUPPLIED WITH
WOOD PLUGS AND CHAIN. AND 3/8 SHIFTING HOLES
DRILLED IN BEAD OF GOOSE NECK.

NONE FITTED.

Harcliff. Empire Cliff.

B.T. COPY.

PARTICULARS OF SCUPPERS AND SANITARY DISCHARGE PIPES:

SCUPPERS FROM MAIN DECK FORE WELL CUT THROUGH STRINGER ANGLE. 9 SCUPPERS EACH SIDE.

No Scupper are fitted from Accommodation Passageways. R.Q. " "

STARBOARD OFFICERS BATH 1½" PIPE DISCHARGES BY 2' BRASS S.V. 3'0" BELOW R.Q.DK. ALSO SHUT OFF COCK ABOVE R.Q.DK. OFFICERS WASH PLACE WASH BASIN
1½" PIPE LED INTO OFFICERS BATH DISCHARGE ALSO SHUT OFF COCK ABOVE R.Q.DK. CHIEF OFFICERS CAIN WASH BASIN 1" PIPE LED INTO OFFICERS
BATH DISCHARGE ALSO SHUT OFF COCK ABOVE R.Q.DK. OFFICERS M.C.H. PIPE LED TO H' BRASS S.V. 3'2" BELOW R.Q.DK. ALSO SCREEN DOWN CONTROL
FROM FOOT DR. 2ND OFFICERS AND GUNNERS CABINS WASH BASINS 1" PIPE LED INTO 2' BRASS S.V. 3'2" BELOW R.Q.DK. ALSO SHUT OFF COCK ABOVE
R.Q.DK. OFFICERS WASH PLACE SCUPPER 1½" PIPE DISCHARGES INTO 2ND OFFICERS BASIN PIPE ALSO SCREEN DOWN PLUG AND CHAIN AT R.Q.DK.
GALLEY SINK WASTE 1½" PIPE LED INTO 2' BRASS S.V. 4'-2" BELOW R.Q.DK. ALSO SCREEN DOWN COCK ABOVE R.Q.DK. GALLEY SCUPPER 2" PIPE
LED TO 2' BRASS S.V. 4'-0" BELOW R.Q.DK. ALSO BRASS SCREEN PLUG AND CHAIN AT R.Q.DK.

PORT SIDE. CREWS M.C.H. PIPE LED TO H' BRASS S.V. 4'-0" BELOW R.Q.DK. ALSO SCREEN DOWN CONTROL FROM FOOT DR. CREWS WASH PLACE WASH
BASIN 1½" PIPE, CREWS SHOWER WASTE 1½" PIPE AND CREWS M.C. SCUPPER 1½" ARE ALL LED INTO 2' DIA. BRASS S.V. 4'-8" BELOW R.Q.DK.
CREWS WASH BASIN DISCHARGE HAS SHUT OFF COCK ABOVE R.Q.DK. AND CREWS SHOWER WASTE AND CREWS M.C. SCUPPER HAVE BRASS SCREEN
PLUGS AND CHAIN AT R.Q.DK. ✓ 3RD ENG., 2ND ENG., CHIEF ENG., AND CAPTAINS CAIRNS WASH BASINS 1" PIPE DISCHARGES INTO 2' BRASS
S.V. 3'2" BELOW R.Q.DK. ALSO SHUT OFF COCK ON EACH WASH BASIN PIPE ABOVE R.Q.DK.

Particulars of Side Scuttles:— IN POOP SIDES TO ACCOMMODATION IN PORT SIDE, 12 STARRAP SIDE 10' DIA. CLEAR GLASS.
ALSO 5 SCUTTLES IN POOP FRONT 12' DIA. CLEAR GLASS.
ALL SCUTTLES OF BRASS OF STRONG CONSTRUCTION AND FITTED WITH
DEAD LIGHTS.

Vertical distance of Sill of lowest Side Scuttle above top of keel

ON MAIN DECK FORE WELL STEEL BULWARKS STRONGLY CONSTRUCTED.

" R.Q. " SIDES

" R.Q. • FORE END OPEN RAILS 3 ROWS ^{TOP 1'D} ^{BETW 7/8} 3'0 HIGH, STANCHIONS 4'0 APART.

11 POOP • STEEL RULWARK AT SIDES AND FORE END 3'-3" HIGH STRONGLY CONSTRUCTED. SIDE RULWARK EXTENDS FOR 11'-6" FROM FORE END.
" " • AT SIDES AND AROUND STERN OPEN RAILS 3'-3" HIGH. 3 RAILS 7" DIA. STANCHIONS 5'-0" APART. ✓

Particulars of Gangways, Lifelines, etc.:— *GAUGWAY IN FORE WELL FROM FORE END OF N^o 1 HATCH TO FORECASTLE LADDER.* ✓

LIFELINE OF 1 1/2" WIRE ROPE WITH STRETCHING SCREW SECURED TO EYE PLATES ON POOP AND FORECASTLE ENDS.

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	R. Q DECK 69'-8" ✓	3'-0"	11'-0" x 6" OPENINGS	3	16.5	14.0
Forward Well	MAIN DECK. 53'-2" ✓	3'-6"	2 of 11'-0" x 6" } OPENINGS. 1. 5'-6" x 6"	3	13.75	12.0

State position of each freeing port { After Well :— } POSITION AS PER SKETCH
(F. and A. position and height above deck edge) { Forward Well :— } ON PAGE 1 7 1/2' ABOVE DECK EDGE.

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:—

*OPENINGS. BURNING PLATING PLACED ON
UPPER EDGE OF FREEING PORTS.*

Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway		N°1 HATCH MID DECK.				N°2 HATCH R. Q. DECK.			
Dimensions of Hatchway		40' 4" x 19' 0" AT HATCH TOP				51' 6" x 19' 0" AT HATCH TOP			
COAMINGS	Height above Deck	3' 6" AT FORE END				3' 6" ✓			
	Thickness	.43 ✓				.43 ✓			
	Sides	.43 ✓				.43 ✓			
	Ends	.43 ✓				.43 ✓			
Stiffeners		7 x 3 x 3/8" B.A. UPPER STIFF. 5 x 3 x 3/8" LOWER STIFF.				7 x 3 x 3/8" B.A. ✓			
Brackets, Stays		5 OFF EACH SIDE 30 FLANGED PLATES				7 OFF 30 FLANGED PLATES ✓			
HATCH BEAMS	Number	7 WEBS.				9 WEBS			
	Spacing	5' 0 1/2" ✓				5' 1 5/8" ✓			
	Scantling and Sketch								
	Bearing Surface	5' ✓				5' ✓			
FORE AND AFTERS	Number	NONE. ✓				NONE. ✓			
	Spacing								
	Unsupported Lengths								
	Scantling* and Sketch								
Bearing Surface									
HATCH COVERS	Material	WHITE PINE WITH STEEL END SHOES.				WHITE PINE WITH STEEL END SHOES. ✓			
	Thickness	2 1/2"				2 1/2" ✓			
	How fitted	FORE AND AFT. ✓				FORE AND AFT. ✓			
	Bearing Surface	3' ✓				3' ✓			
Spacing of Cleats		24"				24" ✓			
Number of Tarpaulins		2 ✓				2 ✓			
<p>*Are wood fore and afters steel shod at all bearing surfaces? Yes ✓</p> <p>Are battens and wedges efficient and in good condition? Yes ✓</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? Yes ✓</p> <p>Are lashings provided in accordance with rule requirements? Yes ✓ 1 1/2" WIRE LASHINGS WITH 5/8" STRETCHING SCREWS. 2 LASHINGS FOR EACH BAY OF COVERS. ✓</p>									

Particulars of any special features:—

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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Foundation