

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

"SANTA FORTUNA"

Ship's Name *ex* "SANDALWOOD"

Port of Survey *SUNDERLAND*

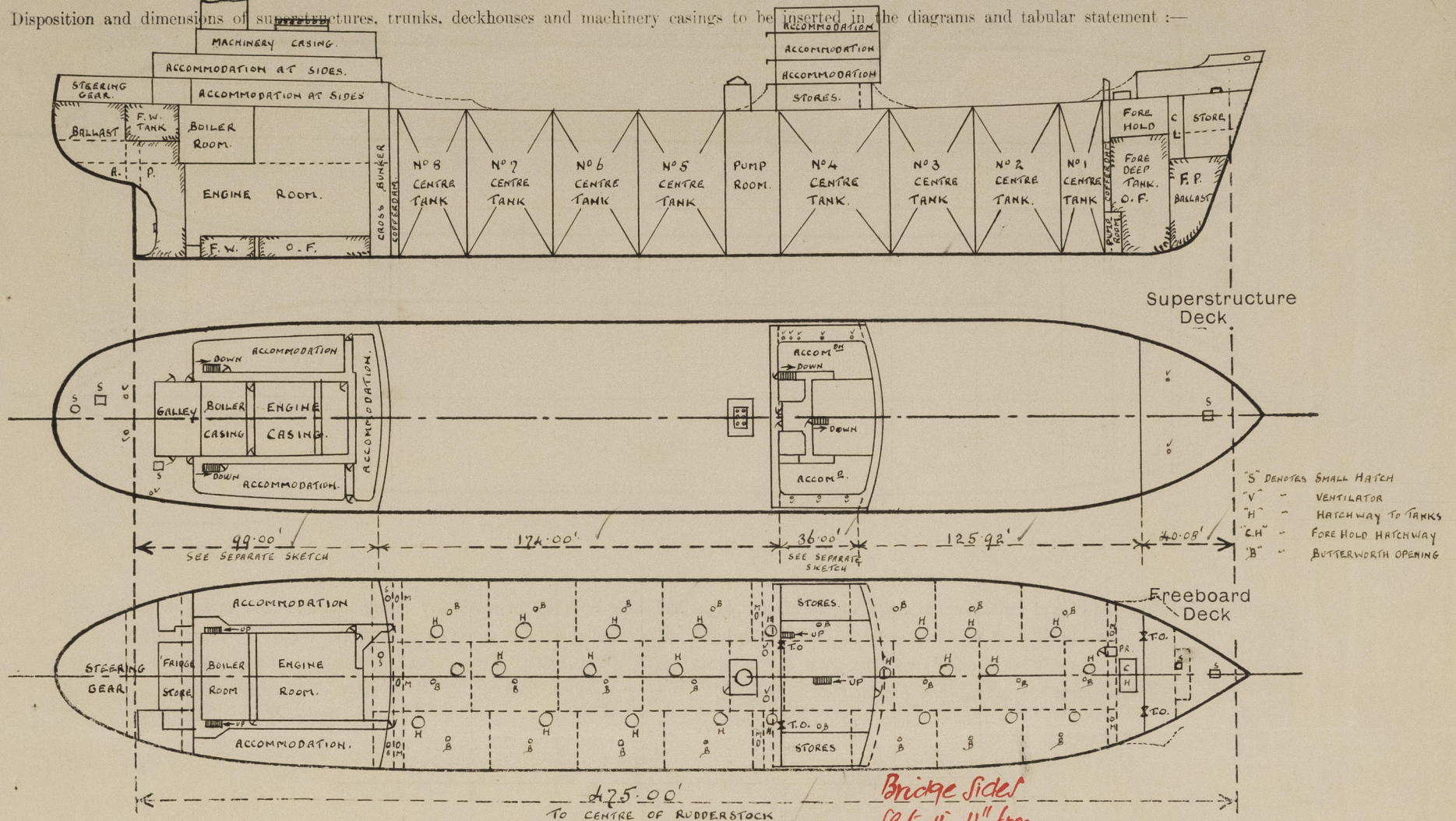
Official Number *184595*

Surveyor's Signature *Alfred T. S. Shepperd*

Nationality and Port of Registry *BRITISH - HONG KONG*

Date of Survey *WHILE BUILDING*

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.

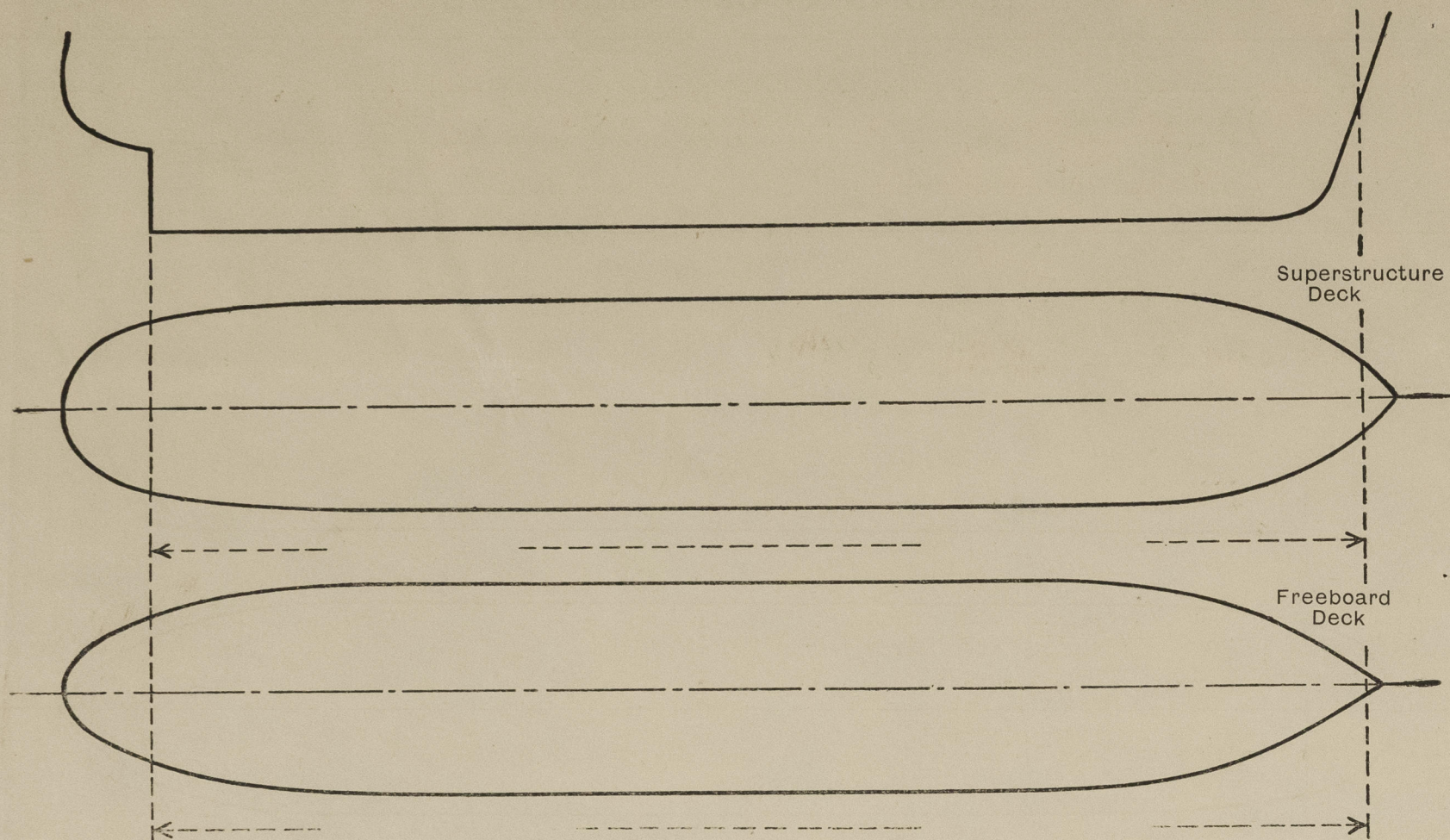
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	✓	42"	12" x 38" with 4" FL.	36"	WELDED TOP & BOTTOM.	2 D 4'6" x 2'3"	18"	7'9"
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	✓	30"	HORIZONTAL 5 1/2" x 30" FLAT WITH VERT WEBS 10" x 30" - 2" FL.	30"	BRACKETS	2 D 3'1" x 4'1"	18"	7'6"
Bridge, Forward Bulkhead...	✓	44"	HORIZONTAL 12" x 38" - 5" FL. WITH VERT. WEBS 2 1/2" x 38" with 6.3" x 30" FACE ANGLE & 20" x 38" - 4" FL.	30"	BRACKETS.	1 D 5'0" x 2'6"	18"	7'6"
Forecastle Bulkhead...	✓	33"	6.3" x 30" T.W.A. & 3" x 2 1/2" x 28" T.W.A.	36"	WELDED.	2 D 3'1" x 4'6"	18"	7'7"
Trunk, Aft ...	✓							
Trunk, Forward ...	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks...	✓							
Exposed Machinery Casings on Superstructure Decks ...	✓	26"	6" x 30" FLATS & 3 1/2" x 30"	36" TO 40"	CONTINUOUS STIFFENERS	NIL	✓	7'9"
Machinery Casings within Superstructures not fitted with Class 1 Closing Appliances ... POOP DECKHOUSE.	✓	25" TO 26"	DO.	DO.	DO.	2 D 5'0" x 2'0"	18"	7'6"
Deckhouses on Flush Deck Ships ...	✓							

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

Poop Bulkhead ...	2 OPENINGS CLOSED BY HINGED STEEL WATERTIGHT DOORS CAPABLE OF BEING OPERATED FROM BOTH SIDES
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	2 OPENINGS CLOSED BY PORTABLE STEEL PLATES WITH HOOK BOLTS
Bridge, Forward Bulkhead ...	1 OPENING CLOSED BY HINGED STEEL WATERTIGHT DOOR CAPABLE OF BEING OPERATED FROM BOTH SIDES
Forecastle Bulkhead...	2 OPENINGS CLOSED BY PORTABLE STEEL PLATES WITH HOOK BOLTS.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks...	✓
Exposed Machinery Casings on Superstructure Decks ...	NO OPENINGS.
Machinery Casings within Superstructures not fitted with Class 1 Closing Appliances ... POOP DECKHOUSE.	2 OPENINGS CLOSED BY HINGED STEEL GASTIGHT DOORS CAPABLE OF BEING OPERATED FROM BOTH SIDES.
Deckhouses on Flush Deck Ships ...	✓

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 fidley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing :-
 FIDDLEY, FUNNEL AND VENTILATOR COAMINGS ARE STRONGLY CONSTRUCTED OF STEEL AND IN EFFICIENT CONDITION.
 ENGINE ROOM SKYLIGHT STRONGLY CONSTRUCTED OF STEEL WITH 12 HINGED STEEL FLAPS AND IN EFFICIENT CONDITION.
 FIDDLEY OPENINGS CLOSED BY STRONGLY CONSTRUCTED HINGED STEEL FLAPS SECURED BY TOGGLES
 DOORWAY IN FUNNEL CASING 4'-0" x 1'-11" SILL 3'-0" CLOSED BY STRONGLY CONSTRUCTED HINGED STEEL CAPABLE OF BEING OPERATED FROM EITHER SIDE.

Particulars of Flush Bunker Scuttles :- NIL

Particulars of Companionways :-
 FORWARD PUMPROOM ENTRANCE :- PLATING 3/16" THICK, STIFFENERS 4" x 3/16" FLATS WELDED. OPENING 4'-0" x 2'-3" SILL 2'-4" CLOSED BY HINGED STEEL WATER-TIGHT DOOR CAPABLE OF BEING OPERATED FROM BOTH SIDES.
 MAIN PUMPROOM ENTRANCE :- PLATING 3/16" THICK, STIFFENERS 5" x 3/16" FLATS WELDED. OPENING 4'-6" x 2'-3" SILL 2'-4" CLOSED BY HINGED STEEL WATER-TIGHT DOOR CAPABLE OF BEING OPERATED FROM BOTH SIDES.
 OPENINGS IN POOP DECKHOUSE GIVING ACCESS TO COMPANIONWAYS WITHIN 5'-0" x 2'-10" SILLS 2'-4" CLOSED BY STRONGLY CONSTRUCTED HINGED WOOD DOORS.
 ENTRANCE TO COMPANIONWAY ON BRIDGE DECK 5'-0" x 2'-10" SILL 1'-6" CLOSED BY STRONGLY CONSTRUCTED HINGED WOOD DOOR CAPABLE OF BEING OPERATED FROM BOTH SIDES.
 WITHIN BRIDGE DECKHOUSE 6'-6" x 2'-10" SILL 3'-0" CLOSED BY HINGED WOOD DOOR CAPABLE OF BEING OPERATED FROM BOTH SIDES AND PROTECTED BY HINGED WOOD DOORS WITH GLASS PANELS, SILL 1'-6" IN THE BRIDGE DECKHOUSE CASING END.

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

ON UPPER DECK 2 @ 24" DIA. COAMING 3/8" THICK. DERRICK POST VENTS TO MAIN PUMP ROOM - STAYED.

ON FORECASTLE DECK 2 @ 10" DIA. COAMING 3/8" THICK x 36" HIGH TO FORE PUMP ROOM.

ON BRIDGE DECK 3 @ 7" DIA. COAMING 3/8" THICK x 30" HIGH TO FORE PEAK STORE.

ON POOP DECK 2 @ 10" DIA. COAMING 3/8" THICK x 36" HIGH TO STEERING GEAR FLAT.

1 @ 6" DIA. COAMING 3/8" THICK x 30" HIGH TO FRIDGE STORE.

1 @ 6" DIA. COAMING 3/8" THICK x 30" HIGH TO ENGINEERS STORE.

2 GOOSENECK VENTS 6" DIA. x 3/2" HIGH TO PIPE TUNNEL.

3 @ 6" DIA. COAMING 3/8" THICK x 30" HIGH TO STORES.

12 @ 6" DIA. COAMING 3/8" THICK x 30" HIGH TO ACCOMMODATION.

ALL VENTILATOR COAMINGS ARE CLOSED BY EITHER :-

STEEL GASTIGHT COVERS

OR

WOOD PLUGS AND CANVAS COVERS.

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

ON UPPER DECK 4 @ 5" DIA. x 7'-6" HIGH (BRACKETED TO POOP FRONT) TO CROSS BUNKER O.F. TANKS.

2 @ 4" DIA. x 7'-6" HIGH (" " " ") " AFTER COFFERDAM.

ON FORECASTLE DECK 2 @ 6" DIA. x 7'-6" HIGH (" " " ") " FORE "

ON POOP DECK 2 @ 5" DIA. x 7'-6" HIGH (" " " ") " TO FORE DEEP TANK.

2 @ 6" DIA. x 7'-6" HIGH (" " " ") " FORE PEAK "

1 @ 8" DIA. x 7'-6" HIGH (" " " ") " RUDDER TRUNK "

3 @ 8" DIA. x 7'-6" HIGH (" " " ") " AFTER PEAK "

2 @ 2" DIA. x 7'-6" HIGH (" " " ") " F.W. TANK.

2 @ 2 1/2" DIA. x 7'-6" HIGH (" " " ") " FEED WATER O.B. TANK.

2 @ 2 1/2" DIA. x 7'-6" HIGH (" " " ") " O.B. COFFERDAM.

1 @ 2" DIA. x 7'-6" HIGH (" " " ") " LUB. OIL SUMP.

ON FIDDLEY TOP 4 @ 4" DIA. x 7'-6" HIGH (" " " ") " O.F. O.B. TANKS.

2 @ 2 1/2" DIA. x 7'-6" HIGH (" " " ") " BOILER OIL TANKS.

3 @ 2 1/2" DIA. x 7'-6" HIGH (" " " ") " SETTING TANKS.

ALL AIR PIPES ARE CLOSED BY

GAUZE OR WOOD PLUGS AND

CANVAS COVERS.

Particulars of Gangway Cargo and Coaling Ports :- NIL

Particulars of Scuppers and Sanitary Discharge Pipes :-

FROM POOP 4 @ 2" DIA. SCUPPERS & 5 @ 2" DIA. WASTE PIPES DISCHARGE THROUGH 1 @ 4" DIA. STORM VALVE ON PORT SIDE.
 2 @ 4" DIA. SOIL PIPES DISCHARGE THROUGH 1 @ 5" DIA. STORM VALVE ON PORT SIDE.
 4 @ 2" DIA. SCUPPERS & 3 @ 2" DIA. WASTE PIPES DISCHARGE THROUGH 1 @ 4" DIA. STORM VALVE ON STARBOARD SIDE.
 3 @ 2" DIA. SCUPPERS & 2 @ 2" DIA. WASTE PIPES DISCHARGE THROUGH 1 @ 2 1/2" DIA. STORM VALVE ON STARBOARD SIDE.
 1 @ 4" DIA. SOIL PIPE ON STARBOARD SIDE DISCHARGES THROUGH 1 @ 4" DIA. STORM VALVE.
 ALL THE ABOVE OVERBOARD DISCHARGES ARE FITTED WITH STRONGLY CONSTRUCTED GUNMETAL STORM VALVES.
 ALL OVERBOARD DISCHARGES FROM ACCOMMODATION ABOVE THE POOP AND BRIDGE DECKS ARE FITTED WITH STRONGLY CONSTRUCTED GUNMETAL STORM VALVES.
 HAND PUMP DRAINING THE CHAIN LOCKER DISCHARGES THROUGH FORECASTLE SHELL PORT SIDE AND IS FITTED WITH NON-RETURN VALVE.
 NO RAISED GUNWAKE ON UPPER DECK (STAMPER ANGLE INVERTED)

Particulars of Side Scuttles :-

IN POOP SIDE SHELL 20 @ 12" DIA. AND 4 @ 10" DIA. PORT SIDE.

20 @ 12" DIA. AND 5 @ 10" DIA. STARBOARD SIDE.

IN BRIDGE SIDE SHELL 4 @ 12" DIA. PORT & 4 @ 12" DIA. STARBOARD.

IN FORECASTLE SIDE SHELL 2 @ 10" DIA. PORT & 2 @ 10" DIA. STARBOARD.

ALL SIDESCUTTLES ARE STRONGLY CONSTRUCTED OF GUNMETAL IN ACCORDANCE WITH RULE REQUIREMENTS AND FITTED WITH GUNMETAL DEADLIGHTS.

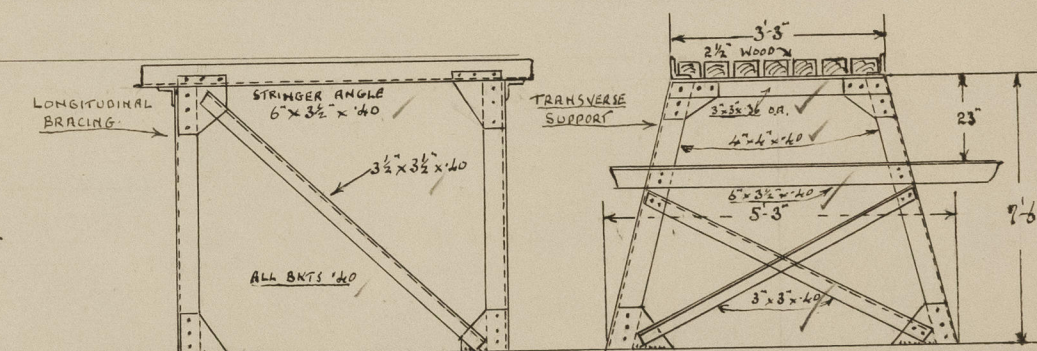
Vertical distance of Sill of lowest Side Scuttle above top of keel 42'-0"

Particulars of Guard Rails :-

GUARD RAILS ON UPPER DECK IN WELLS, ON FORECASTLE DECK, ON POOP DECK AND AT AFTER END OF BRIDGE DECK ALL 3'-6" HIGH, 3 ROD TYPE WITH STANCHIONS SPACED 4'-6" APART. STANDING STEEL BULKHEADS AT SIDES AND FRONT OF BRIDGE 3'-6" HIGH PLATING 25 WITH 6" x 3" x 30 BA. RAIL AND SUPPORTED BY 26 FLANGED PLATE STAYS AND UPPER BRIDGE SUPPORTS.

Particulars of Gangways, Lifelines, etc. :-

STEEL FORE AND AFT GANGWAY BETWEEN FORECASTLE AND BRIDGE, AND BRIDGE AND POOP 7'-6" HIGH WITH TRANSVERSE SUPPORTS SPACED 9'-6" APART AND LONGITUDINAL BRACING AS NECESSARY. SCANTLING AS PER SKETCH.
 2 1/2" WOOD PLATFORM AND GUARD RAILS 3'-6" HIGH 2 ROD TYPE WITH STANCHIONS SPACE 4'-6" APART.



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 ...	OPEN RAILS FULL LENGTH					
Forward Well ...	0. 0. 0. 0.					

State position of each freeing port ... { After Well :- } OPEN RAILS FULL LENGTH OF WELLS.
 (F. and A. position and height above deck edge) { Forward Well :- }

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

Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.												
Description of Hatchway	...	...	HATCHWAYS ON UPPER DECK TO	HATCHWAY ON UPPER DECK TO	HATCHWAYS ON UPPER DECK TO	CROSS BUNKER 2	HATCHWAYS ON UPPER DECK TO	HATCHWAY ON POOP DECK TO	HATCHWAY ON POOP DECK TO	HATCHWAY ON POOP DECK TO	HATCHWAY ON FOC'SLE DECK TO	HATCHWAY ON UPPER DECK IN FOC'SLE TO
Dimensions of Hatchway	...	...	CARGO TANKS.	FORE HOLD.	FORE COFFERDAM APT	PUMP ROOM COFFER DAMS	BUTTERWORTH OPENINGS.	STEERING GEAR.	ROPE STORE	STEWARDS STORE	FOC'SLE (QUEEN DR)	F.P. STORE.
COAMINGS	Height above Deck ...	...									
	Thickness { Sides ...	...									
	Stiffeners ...	...									
	Brackets, Stays ...	...									
HATCH BEAMS	Number ...	...									
	Spacing ...	...									
	Scantling and Sketch	...										
	Bearing Surface ...	...									
FORE AND AFTERS	Number ...	...									
	Spacing ...	...									
	Unsupported Lengths	...										
	Scantling* and Sketch	...										
	Bearing Surface ...	...									
HATCH COVERS	Material ...	...									
	Thickness ...	...									
	How fitted ...	...									
	Bearing Surface ...	...									
Spacing of Cleats	...	...								
Number of Tarpaulins...	...	...								
*Are wood fore and afters steel shod at all bearing surfaces? ✓												
Are battens and wedges efficient and in good condition? ✓												
Are tarpaulins in good condition and in accordance with rule requirements? ✓												
Are lashings provided in accordance with rule requirements? ✓												

Particulars of any special features:—

HATCHWAY ON UPPER DECK WITHIN FOC'SLE TO CHAIN LOCKER. HATCHWAY 2'-0" x 2'-0" COAMING 9" HIGH BY .36" THICK STEEL COVER .30" THICK HINGED AND SECURED GASTIGHT BY 8 TOGGLES.

THERE ARE TWO BUTTERWORTH OPENINGS IN THE UPPER DECK WITHIN THE BRIDGE SPACE EACH 12" DIAMETER AND CLOSED BY STEEL COVER PLATES 1" THICK SECURED OIL-TIGHT BY CLOSELY SPACED STUDS.



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