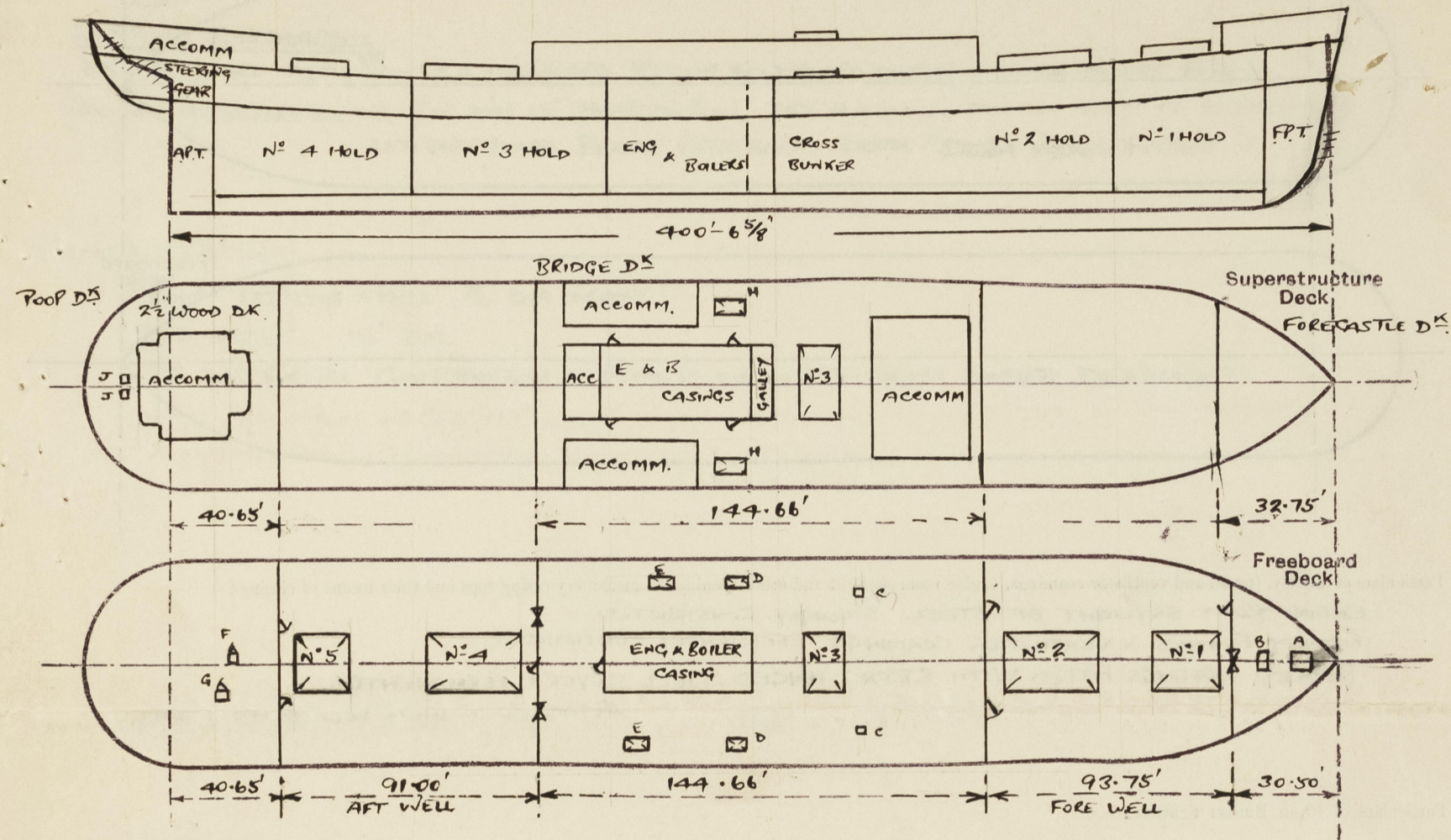


Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

GREENOCK REP. N° 23379.

Ship's Name	JALARAJAN	Port of Survey	GREENOCK
Official Number	172601	Surveyor's Signature	<i>Alfred MacKay</i>
Nationality and Port of Registry	BRITISH-BOMBAY	Date of Survey	DURING CONSTRUCTION - 1946

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



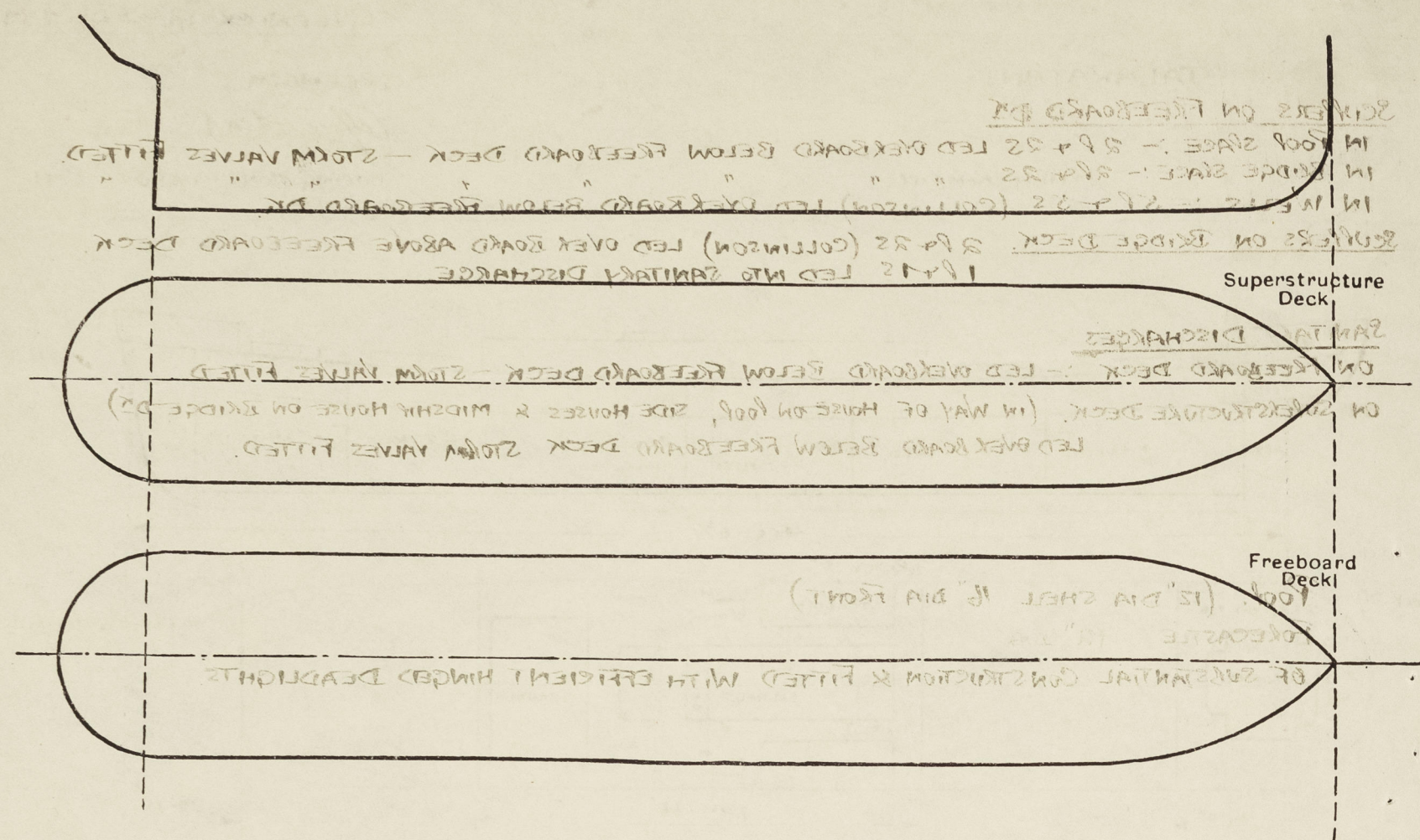
Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	PLATED VERT. 1/2"	.38	6x3x.44 OA.	2'-3" TO 2'-6 1/2"	BRACKETED TOP WELDED BOTTOM	2 @ 5'-0" x 2'-3"	18"	7'-6"
Raised Quarter Deck Bulkhead ...	—	—	—	—	—	—	—	—
Bridge, After Bulkhead ...	PLATED VERT. 1/2"	.30	5x3x.32 OA. 2 @ 7x3x.40 "	2'-3" & 2'-6"	BRACKETED TOP & BOTTOM	2 @ 5'-0" x 3'-6" 2 @ 5'-0" x 3'-0"	18"	8'-0"
Bridge, Forward Bulkhead ...	PLATED VERT. 1/2"	.44	9x3x.44 BA	1'-9" & 2'-3"	WELDED TOP LUGGED BOTTOM	2 @ 5'-0" x 3'-0"	18"	8'-0"
Forecastle Bulkhead ...	PLATED VERT. 1/2"	.30	5x3x.30 OA & STEEL BMR	1'-11" TO 2'-6 3/4"	BRACKETED TOP & BOTTOM	1 @ 5'-0" x 4'-0" 1 @ 5'-0" x 2'-0"	18"	7'-3"
Trunk, Aft ...	—	—	—	—	—	—	—	—
Trunk, Forward ...	—	—	—	—	—	—	—	—
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	—	—	—	—	—	—	—	—
Exposed Machinery Casings on Superstructure Decks34	.30	3x3x.30 OA. 3x3x.35 OA.	1'-10" TO 2'-7"	BRACKETED TOP	4 @ 5'-0" x 2'-3"	18"	8'-0"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	PLATED VERT. 1/2"	.30	3x3x.30 OA. 3x3x.35 OA.	1'-10" TO 2'-7"	✓	1 @ 5'-0" x 3'-0"	16"	8'-0"
Deckhouses on Flush Deck Ships ...	—	—	—	—	—	—	—	—

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

Poop Bulkhead ...	2 HINGED SOLID WOOD DOORS (OPERATED BOTH SIDES).
Raised Quarter Deck Bulkhead ...	—
Bridge, After Bulkhead ...	SHIFTING BOARDS (3" THICK) IN RIVETED CHANNELS 1 HINGED STEEL DOOR (OPERATED BOTH SIDES) ✓
Bridge, Forward Bulkhead ...	2 HINGED STEEL W.T. DOORS (OPERATED BOTH SIDES).
Forecastle Bulkhead ...	SHIFTING BOARDS (3" THICK) IN RIVETED CHANNELS 1 HINGED STEEL DOOR (OPERATED BOTH SIDES) ✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ..	—
Exposed Machinery Casings on Superstructure Decks ...	HINGED STEEL DOORS (2P. 25.) (OPERATED BOTH SIDES) ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	HINGED STEEL DOOR (OPERATED 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 fiddle, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

ENGINE ROOM SKYLIGHT OF STEEL STRONGLY CONSTRUCTED.
FIDDLE FUNNEL & VENTILATOR COAMINGS EFFICIENTLY CONSTRUCTED.
FIDDLE GRATING FITTED WITH STRONG HINGED STEEL COVERS PERMANENTLY ATTACHED IN THEIR PROPER POSITIONS.

Particulars of Flush Bunker Scuttles:—

NONE

Particulars of Companionways:—
(F) STEEL TRUNK IN POOP SPACE OPENING 5'0" x 2'0" - SILL 10" - HINGED STEEL DOOR OPERATED BOTH SIDES. LEADING TO TUNNEL ESCAPE.

(G) STEEL TRUNK IN POOP SPACE - OPENING 5'0" x 2'0" - SILL 10" - HINGED STEEL DOOR OPERATED BOTH SIDES. LEADING TO STEERING GEAR SPACE.

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

ON POOP DECK		ON FREEBOARD DECK	
2 @ 8" DIA	32" COAMING x 32" TO STEERING GEAR	2 @ 16" DIA	36" COAMING x 38" TO HOLD.
2 " 11 "	32 " " 34 " ACCOMM.	4 @ 16 " "	36 " " 38 " TWEEN DECKS.
1 " 9 "	24 " " 32 " " "	6 @ 16 " "	36 " " 38 " " "
4 " 12 "	32 " " 34 " " STORE.	10 @ 16 " "	36 " " 38 " HOLDS.
2 " 6 "	24 " " 30 " " "		

ON BRIDGE DECK		ON FORECASTLE DECK	
1 @ 15" DIA	30" COAMING x 35" TO BRIDGE SPACE.	1 @ 8" DIA	30" COAMING x 34" TO STORE.
1 " 10 " "	30 " " 32 " TWEEN DKS.	2 " 16 " "	36 " " 38 " TO HOLD.
2 " 18 " "	30 " " 40 " SIDE BUNKERS.		
2 " 16 " "	30 " " 38 " CROSS BUNKERS.		
2 " 18 " "	30 " " 40 " BRIDGE SPACE.		

WOOD PLUGS & CANVAS COVERS PROVIDED FOR ALL VENT COAMINGS!

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

ON POOP DECK 18" HIGH		ON BRIDGE DECK 18" HIGH		ON FREEBOARD DECK 36" HIGH	
2 @ 5" DIA	TO A.P.T.	2 @ 3" DIA	TO N° 2 D.B.T.	2 @ 3" DIA	TO N° 1 D.B.T.
		2 " 5 "	3 " "	4 @ 5 " "	2 " 2 D.B.T.
ON FORECASTLE DECK 18" HIGH		3 " 5 "	D.B. DRY TANK.	2 @ 3 " "	5 D.B.T.
3 @ 5" DIA	TO F.P. TANK.	2 " 5 "	N° 4 D.B.T.	3 " 3 " "	6 D.B.T.
1 @ 3" DIA	TO D.B. TANK.	2 " 3 "	N° 4 D.B.T.		
ALSO 1 AIR PIPE 5" DIA		2 " 5 "	N° 5 D.B.T.		
12" HIGH	TO PAINT STORE.				

WOOD PLUGS PROVIDED FOR ALL AIR PIPES.

Particulars of Gangway Cargo and Coaling Ports:—

5/5 Jalarafan.

NONE.

Particulars of Scuppers and Sanitary Discharge Pipes:—

SCUPPERS ON FREEBOARD DECK

IN POOP SPACE:— 2 P + 2 S LED OVERBOARD BELOW FREEBOARD DECK - STORM VALVES FITTED.

IN BRIDGE SPACE:— 2 P + 2 S " " " "

IN WELLS:— 5 P + 5 S (COLLINSON) LED OVERBOARD BELOW FREEBOARD DECK.

SCUPPERS ON BRIDGE DECK. 2 P + 2 S (COLLINSON) LED OVERBOARD ABOVE FREEBOARD DECK. 1 P + 1 S LED INTO SANITARY DISCHARGE.

SANITARY DISCHARGES

ON FREEBOARD DECK:— LED OVERBOARD BELOW FREEBOARD DECK - STORM VALVES FITTED.

ON SUPERSTRUCTURE DECK. (IN WAY OF HOUSE ON POOP, SIDE HOUSES & MIDSHIP HOUSE ON BRIDGE DECK) LED OVERBOARD BELOW FREEBOARD DECK STORM VALVES FITTED.

Particulars of Side Scuttles:—

POOP. (12" DIA SHELL 16" DIA FRONT)

FORECASTLE. 12" DIA

OF SUBSTANTIAL CONSTRUCTION & FITTED WITH EFFICIENT HINGED DEADLIGHTS.

4 SIDE SCUTTLES (2 P + 2 S) 12" DIA. FITTED IN STEERING GEAR SPACE, OF SUBSTANTIAL CONSTRUCTION, FITTED WITH HINGED DEADLIGHTS.

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

38'-3" 32'-3" 3'-3"

Particulars of Guard Rails:—

POOP, BRIDGE & FORECASTLE. - 3 RAILS 3'6" HIGH STANCHIONS SPACED APPROX 5'0".

FREEBOARD DECK IN WELLS. - PORTABLE RAILS IN WAY OF N° 2, 4 & 8 HATCHES.

" " " " BULWARKS OF STEEL 3'6" HIGH EFFICIENTLY STAYED

AND STIFFENED ON UPPER EDGE WITH 6" x 3" B.A. IN WAY OF STEEL TUNNEL LEADING TO TUNNEL ESCAPE

Particulars of Gangways, Lifelines, etc.:—

STEEL TRUNK IN POOP SPACE OPENING 5'0" x 2'0" - SILL 10" - HINGED STEEL DOOR OPERATED BOTH SIDES. LEADING TO STEERING GEAR SPACE.

PROVISION MADE FOR RIGGING LIFELINES IN WELLS.

Particulars of Freeing Arrangements.					
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Rule area each side
After Well	91'-0"	3'-6"	OPEN RATES.	✓	✓
Forward Well	93'-9"	3'-6"	OPEN RATES.	✓	✓
State position of each freeing port (F. and A. position and height above deck edge)					
(F. and A. position and height above deck edge) Forward Well:—					
State whether the freeing parts are fitted with shutters, bars, or rails, and give particulars of such					
Additional area where sheer is less than standard.					
After Well	BULWARK 4'-6"	RAIL 26'-0"	OPEN RAIL 21'-0"	BULWARK 2'-6"	HPH "81"
POOP FRONT	BULWARK 10'-6"	OPEN RAIL 26'-0"	BULWARK 63'-9"	2 " 5 "	HPH "81"
FORE WELL	BULWARK 10'-6"	OPEN RAIL 26'-0"	BULWARK 63'-9"	2 " 5 "	HPH "81"
BRIDGE FRONT	BULWARK 10'-6"	OPEN RAIL 26'-0"	BULWARK 63'-9"	2 " 5 "	HPH "81"
FORECASTLE BHP	BULWARK 10'-6"	OPEN RAIL 26'-0"	BULWARK 63'-9"	2 " 5 "	HPH "81"

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECK.										
Description of Hatchway	N ^o 1 CARGO HATCH	N ^o 2 CARGO HATCH	N ^o 3 CARGO HATCH	N ^o 4 CARGO HATCH	N ^o 5 CARGO HATCH	(A) IN FORECASTLE TO STORE	(B) IN FORECASTLE TO CHAIN LOCKER	(C) 2 ESCAPE HATCHES IN BRIDGE	(D) 2 COAL HATCHES IN BRIDGE	(E) 2 COAL HATCHES IN BRIDGE
Dimensions of Hatchway	24'-9" x 18'-0"	30'-4" x 18'-0"	16'-4" x 18'-0"	30'-4" x 18'-0"	25'-8" x 18'-0"	4'-0" x 3'-0"	2'-0" x 3'-6"	2'-4" x 2'-6"	6'-6" x 3'-0"	6'-9" x 3'-0"
COAMINGS	Height above Deck	30"	30"	30"	30"					
	Thickness	3/4"	3/4"	3/4"	3/4"					
HATCH BEAMS	Number	4	5	3	5					
	Spacing	4'-9 3/4"	4'-10 3/4"	4'-1"	4'-10 3/4"					
FORE AND AFTERS	Scantling and Sketch	5'-0 1/2"	5'-1 5/8"	4'-1"	5'-0 1/2"					
	Bearing Surface	4x3x45	4x3x45	4x3x45	4x3x45					
HATCH COVERS	Material	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD
	Thickness	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	3"	3"
Spacing of Cleats	How fitted	F.A.A.	F.A.A.	F.A.A.	F.A.A.	ATHW.	ATHW.	ATHW.	ATHW.	ATHW.
	Bearing Surface	3"	3"	3"	3"	3"	3"	3"	3"	3"
Number of Tarpaulins	3	3	3	3	3	3	3	3	3	3
<p>*Are wood fore and afters steel shod at all bearing surfaces? NONE</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? LOCKING BARS AT N^o 1, 2, 4 & 5 CARGO HATCHES ON FREEBOARD DECK & AT N^o 3 CARGO HATCH ON BRIDGE DECK.</p>										

Particulars of any special features:—

N^o 3 CARGO HATCH ON BRIDGE DECK

16'-4" x 18'-0" COAMING HEIGHT 30" THICKNESS .50 SIDES .44 ENDS.

1 STAY 3 BEAMS SPACED 3'-11 5/8" & 4'-2 3/8"

TOP ANGLES 4x3x44 4" BEARING SURFACE.

WEBS 18 3/8 x 30

BOTTOM ANGLES 4x3x44 2 1/2" WOOD HATCHES

CLEATS SPACED 24" 3" BEARING

3 TARPULINS. LOCKING BARS

(J)

SMALL HATCH P.T.S. ON POOL TO A.P. STORES.

2'-2" x 2'-2" 18" COAMING x .30"

HINGED STEEL COVERS

SECURED BY TUGGLES & CLIPS.

(H) COAL HATCH P.T.S. ON BRIDGE DECK 8'-10" x 3'-0"

30" COAMING x .40 3 THRO' BEAMS

2 1/2" WOOD HATCHES FITTED ATHW. 2 1/2" BEARING

CLEATS SPACED 24" 3 TARPULINS.

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.

ML-D



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Lloyd's Register
Foundation