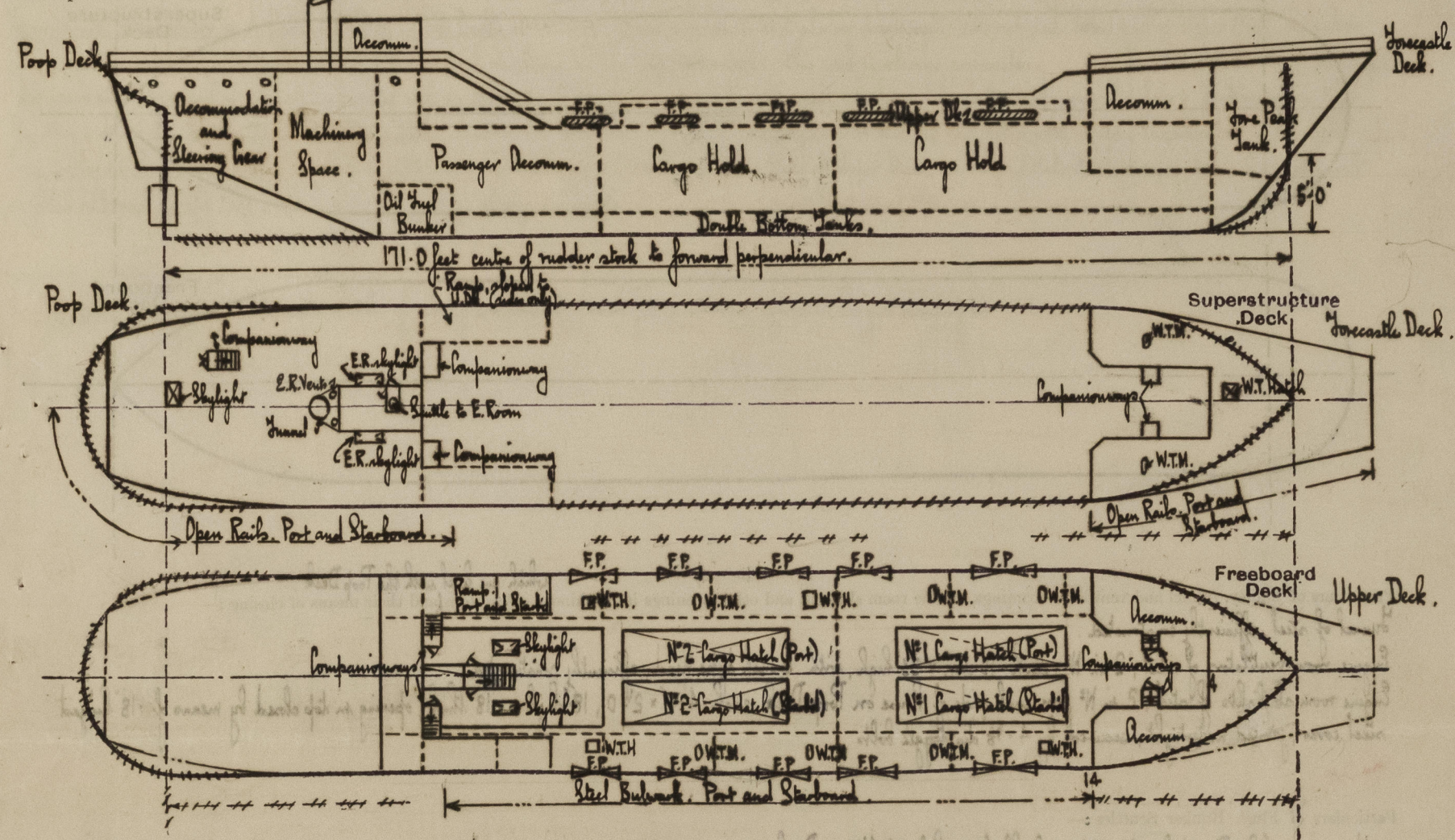


Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

Glasgow Rpt 72054

Ship's Name L.C.T. N° 835. Port of Survey GRANGEMOUTH.
Official Number Surveyor's Signature James M. Winders
Nationality and Port of Registry ETHIOPIAN. NOT KNOWN Date of Survey 15th April 1947 and subsequent dates.
(SUBJECT TO CONFIRMATION)

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

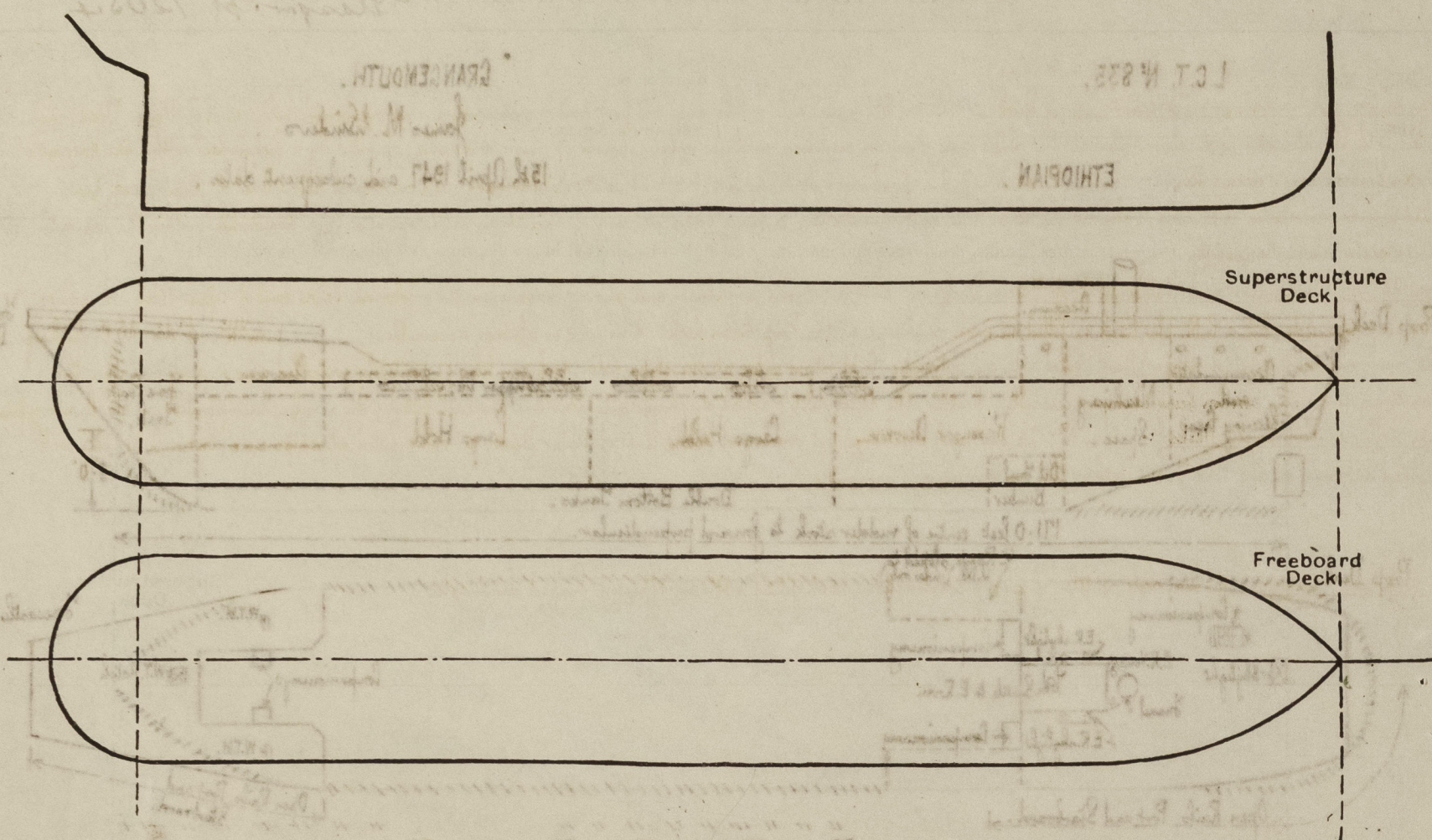


Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	33" exposed above raised portion of Upper Deck x 18" thick		2 1/2" x 2 1/2" x 25"	24" and 26"	Alternate stiffeners bracketed at bottom only.	4' 6" x 24" (2 in companionways)	20 1/2"	4' 9" above Upper Deck.
Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead	32" x 29" x 25"	32" x 30"	4" x 3" x 28" O.A. 2 1/2" x 2 1/2" x 25" O.A.	27" to 30" 24"	Bracketed top and bottom.	2 at 4' 3" x 23" (in companionways).	25"	4' 3" to 5' 0" above Upper Deck level.
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks								
Exposed Machinery Casings on Superstructure Decks								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on Flush Deck Ships								

Particulars of Closing Appliances (state if capable of being manipulated from both sides).	
Poop Bulkhead	Strong hinged doors of wood, each capable of being operated from both sides [see also under "companionways"]
Raised Quarter Deck Bulkhead	
Bridge, After Bulkhead	
Bridge, Forward Bulkhead	
Forecastle Bulkhead	Strong hinged doors of wood, each capable of being operated from both sides [see also under "companionways"]
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	
Exposed Machinery Casings on Superstructure Decks	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	
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 fiddley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Funnel of steel, efficiently constructed

Engine room ventilators of steel, 2 in No. each, 10' dia. x 33' high with French type head, efficiently constructed.

Engine room skylights of steel, 2 in. N^o. on each side of house on Poop Deck, each 4'-6" x 2'-0", 1 1/2" high x .18" thick, opening in top closed by means of .18" hinged steel cover, joined watertight, secured by 4 - 5/8" dia. toggle bolts. ✓

Particulars of Flush Bunker Scuttles:—

None. (See Page 4 for description of flush manholes in Upper Deck, giving access to wing compartments).

Particulars of Companionways :—

On Upper Deck: Giving access to W.C. accommodation, one port and one starboard, incorporated in side front, of steel efficiently constructed. Opening 4'-3" x 25", air 25", closed by means of strong hinged wood door capable of being operated from Deck 1.	Passenger Accommodation, giving access to Passenger Accommodation, of steel efficiently constructed. Opening 4'-6" x 24", air 2 1/2" closed by means of strong hinged wood doors, capable of being operated from Deck 1.
Particulars of ventilators in exposed positions of freedom and superstructure decks:	

On Rained Portion of Upper Deck in way of
Passenger Accommodation. Giving access to
Passenger Accommodation by steel efficiently
constructed openings 4'-6" x 24" all 2 1/2" closed
by means of strong hinged wood doors, capable
of being opened from both sides.
of free board and superstructure decks:

On Raised Portion of Upper Deck in way of
Passenger Accommodation. Giving access to W.C.
and workplaces in Poop Tween Decks, moreover
in Poop Vent, of steel, efficiently constructed.
Openings 4'-6" x 24", with 20", lined by means
of strong lined wood doors, capable of being

Dr. Poppe Deck. - living access to lower accommodation
alt. of steel, efficiently constructed. Opening 3'-10" x
25" x 21" closed by means of strong hinged
wood door, capable of being operated from
both sides.

On Forecastle Deck :- 6 in N^o, 4" dia. gorseneck ventilators of efficient construction to forecandle
tween decks, 36" high. ✓

On Upper Deck :- 4 in N^o. 12 dia. coal ventilators to holds, coaming 30" high x .32" thick.
2 in N^o. 16 dia. derrick post ventilators to holds, of strong construction, adequately stayed.

On Raised Portion of Upper Deck in way of Passenger Accommodation: 2 in N^o. 8' dia. coral ventilators to passenger accommodation, coaming 25" high = 25" thick
4 in N^o. 6' dia. mushroom ventilators of efficient construction, each fitted with watertight covers top, coamings 12" high.

On Poop Deck :- 2 in No. 4" dia. goose-neck ventilators of efficient construction to Poop Deck, 20" high.

4 in N^o, 10" dia. coal ventilators to Porp Green Decks, coverings 24" high x 30" thick
2 in N^o, 6" " " " " " " " " " " 29" " x 30" "
2 in N^o, 6" " " " " " " " " " " 18" " x 30" "

6 in N^o, 6" dia. mushroom ventilators of efficient construction, each fitted with watertight screw top, covering 12 sq. ft. ☒
1 in N^o, 6" dia. mushroom ventilator fitted on top of skylight, details as above. ☒
Wood plugs and canvas covers are fitted to all coal and gasometer ventilator openings. ☒
A set of 4 gasometer covers to be made. ☒

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

On Forecastle Deck:- Air pipes to fore peak tank, side compartments and double bottom compartments, of efficient construction, 30" high.

On Upper Deck :- Air pipes to double bottom tanks and side compartments, of efficient construction, 36" high.

On Pump Deck :- Air pipes to bunkers, of efficient construction, 30" high

All airpipes are fitted with wood plugs, except those ^{to} oil fuel bunkers which are fitted with gauges.

Particulars of Gangway Cargo and Coaling Ports:—

None

Particulars of Scuppers and Sanitary Discharge Pipes :—

From W.C. and Workplaces in Forecastle Two Decks: 2 in No. 4 dia. W.C. discharges, one port and one starboard, led overboard below level of Upper Deck, each fitted with an automatic G.M. storm valve at the ship's side and in addition, a sluice valve inboard of this storm valve, operated by a hand lever in the fore-castle from deck lower fore-castle. 2 in No. 2 dia. discharges from chimneys, one port and one starboard, led overboard below level of Upper Deck each

2 out of 3
fitted with an automatic G.M. storm valve at the ship's side and in addition, a ~~sluice valve inboard of this storm valve, operated by a hand wheel with the forecable~~
~~two decks, always accessible.~~ it controlled from the forecable deck - indicator fitted.

From N.S.C.'s, Washbasins and Galleys in Poop Tween Decks:- 2 in N^o, 2" dia. washbasin and shower discharges, led overboard below level of Upper Deck ^{valves} fitted at ship's side ^{but} a G.M. plug cock is fitted in each discharge in the Poop tween decks, this cock is always accessible. 1 in N^o, 4" dia. N.S.C. discharge

bed overboard below level of Upper Deck, fitted with an automatic G.M. alarm valve at the ship's side which can also be positively controlled from a position within the Port & Starboard life positions, further the three D.C.'s which discharge into this line are each fitted with a valve incorporated in the lanyard.

From Inquiry re Poop Tween Decks :- 1 in No. 22 inch. sunk discharge led overboard below level of Upper Deck, no valve fitted at ship's side, but a G.M. plug cock is fitted inboard in the Poop Tween Decks, this cock is always accessible. **2 automatic non-return valves fitted**

Particulars of Side Scuttles:—

In Poop Side Plating:- 12" dia. side scuttles of strong construction, each fitted with an efficient hinged deadlight

Vertical distance of Sill of lowest Side Scuttle above top of keel *None fitted below freeboard deck*

Particulars of Guard Rails :—

Horsecaste Deck :- Open rails 3'-0" high, with 2 rods and stanchions spaced about 5'-0" apart.

Upper Deck - Steel bulwark 3'-0" high x 18" thick, with 1 3/4" dia x 18" thick hollow round on upper edge, supported by 1/8" plate brackets, flanged 3/8", spaced 4'-0" apart.

Poop Deck:- Open rails 3'-0" high, with 2 rods and stanchions spaced about 5'-0" apart.

Particulars of Gangways, Lifelines, etc. :—

Lifelines ~~have~~ ^{are} fitted all fore-and-aft on the foreboard deck from the stern post to the fore-castle.

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	76.5 feet	3.0 ft	$\left. \begin{array}{l} 1 @ 6'-6" \times 9" \\ 1 @ 6'-0" \times 9" \\ 3 @ 5'-7" \times 9" \end{array} \right\} \text{with semi-circular ends}$	5	21.30 sq. ft.	15.3 ft ²
Forward Well						

State position of each freeing port

(F. and A. position and height above deck edge)

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.

Handwritten notes on the diagram:

- After Well: 5' above deck edge.
- Forward Well: 5' above deck edge.
- No shutters, bars or rails fitted.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

		HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.					
		Exposed on Freeboard (Upper) Deck.			Exposed on Forecastle Deck.		
Description of Hatchway		Nº 1 Cargo Hatchway Port and Starboard.	Nº 2 Cargo Hatchway Port and Starboard.	W.T. Hatch to F.W. Tank, S.S.F.	W.T. Hatchway to W.T. Manholes to King Compts.	W.T. Manholes to King Compts.	W.T. Hatch to Fore Peak Tank to King Compts.
Dimensions of Hatchway		2 at 26'-0" x 9'-6"	2 at 22'-0" x 9'-6"	1'-6" x 1'-6"	3 at 2'-0" x 2'-0"	6 at 18" x 13"	1'-10" x 2'-0" 2 at 18" x 13"
COAMINGS	Height above Deck	30"	30"	3' x 2' x 30" angle 3" x 4" vertical.	9"		25"
	Thickness	3/4"	3/4"		25"		30"
	Stiffeners	11" x 3/4" x 50' 8" at sides.	11" x 3/4" x 50' 8" at sides.				
	Brackets, Stays	4" x 3/4" x 30' 0" at ends.	4" x 3/4" x 30' 0" at ends.				
HATCH BEAMS	Number	5	4				
	Spacing	4'-4"	4'-4"				
	Scantling and Sketch	3" x 3" x 40' angles.	3" x 3" x 40' angles.				
	Bearing Surface	9" x 44" hull plate	9" x 44" hull plate				
FORE AND AFTERS	Number						
	Spacing						
	Unsupported Lengths						
	Scantling* and Sketch						
HATCH COVERS	Material	Wood.	Wood.	3/8" steel cover secured by 5/8" dia. bolts spaced 3" apart.	25" hinged steel W.T. cover secured by 7/8" dia. bolts spaced 5/8" apart.	25" steel cover secured by 5/8" dia. bolts spaced 3" apart.	3/8" hinged steel cover secured by 5/8" dia. bolts spaced 3" apart.
	Thickness	2 1/2"	2 1/2"				
	How fitted	4. and 2.	4. and 3.				
	Bearing Surface						
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, and locking bars fitted.</p>							

Particulars of any special features:—

Skylights on Raised Portion of Upper Deck, in way of Passenger Accommodation:- 2 in Nº, each 5'-1 1/2" x 3'-2", 24" high at centre, 9" high at sides, openings 4'-0" x 1'-3", closed by means of hinged steel flaps. The skylights are of steel, efficiently constructed.

Skylight on Poop Deck Aft:- 1 in Nº, 3'-2" x 1'-9", 18" high at centre, 6" high at sides, openings 1'-4" x 1'-3", closed by means of hinged steel flaps. A 6" mushroom ventilator is fitted on the top of this skylight, the ventilator is 6" high and is fitted with a screw top. The skylight is of steel, efficiently constructed.

Access to the Engine Room:- Access to the engine room is arranged in a lobby built in an efficient steel deckhouse on the Poop Deck, the opening to the lobby is 5'-6" x 1'-9", sill 12" high, closed by means of a strong hinged wood door capable of being operated from both sides, within the lobby a 24" dia. watertight escape scuttle of Admiralty pattern is fitted on the Poop Deck, coaming 6" x 40" thick with hinged steel cover, capable of being operated from both sides.

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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