

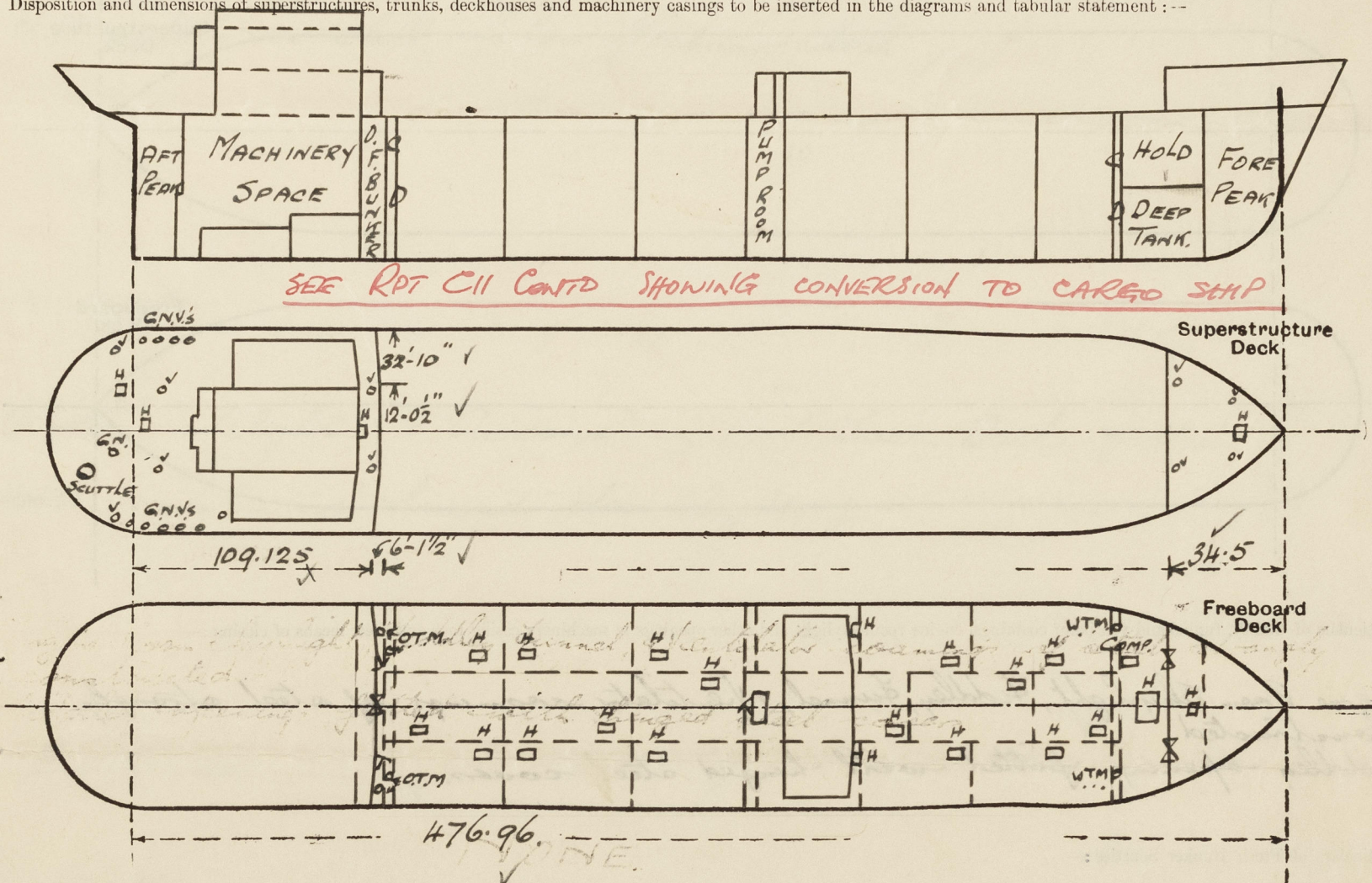
# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

 Index No. 36749  
 (For London Office only).
N<sup>o</sup> 33312Ship's Name S.S. EMPIRE MARVELLPort of Survey SunderlandOfficial Number 169015Surveyor's Signature W. E. MillerNationality and Port of Registry BRITISH SUNDERLANDDate of Survey During Construction

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 ...	44"	44"	10x32x50 L	30"	Lugged top, welded to deck	20 4'-6" x 2'-3" (a) 10 5'-0" x 4'-1" (b)	18"	7'-6" ✓
Raised Quarter Deck Bulkhead ...	✓	✓						
Bridge, After Bulkhead ...	✓	✓						
Bridge, Forward Bulkhead ...	✓	✓						
Forecastle Bulkhead ...	30"	30"	5x3x5/16 OA.	30"	Quoted to foundations	20 4'-1" x 3'-1"	18"	7'-6" ✓
Trunk, Aft ...	✓	✓						
Trunk, Forward ...	✓	✓						
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓	✓						
Exposed Machinery Casings on Superstructure Decks ...	34"	32"	5x3x3/8 L	30"	Continuous	NONE	✓	✓ ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓	✓						
Deckhouses on Flush Deck Ships ...	✓	✓						

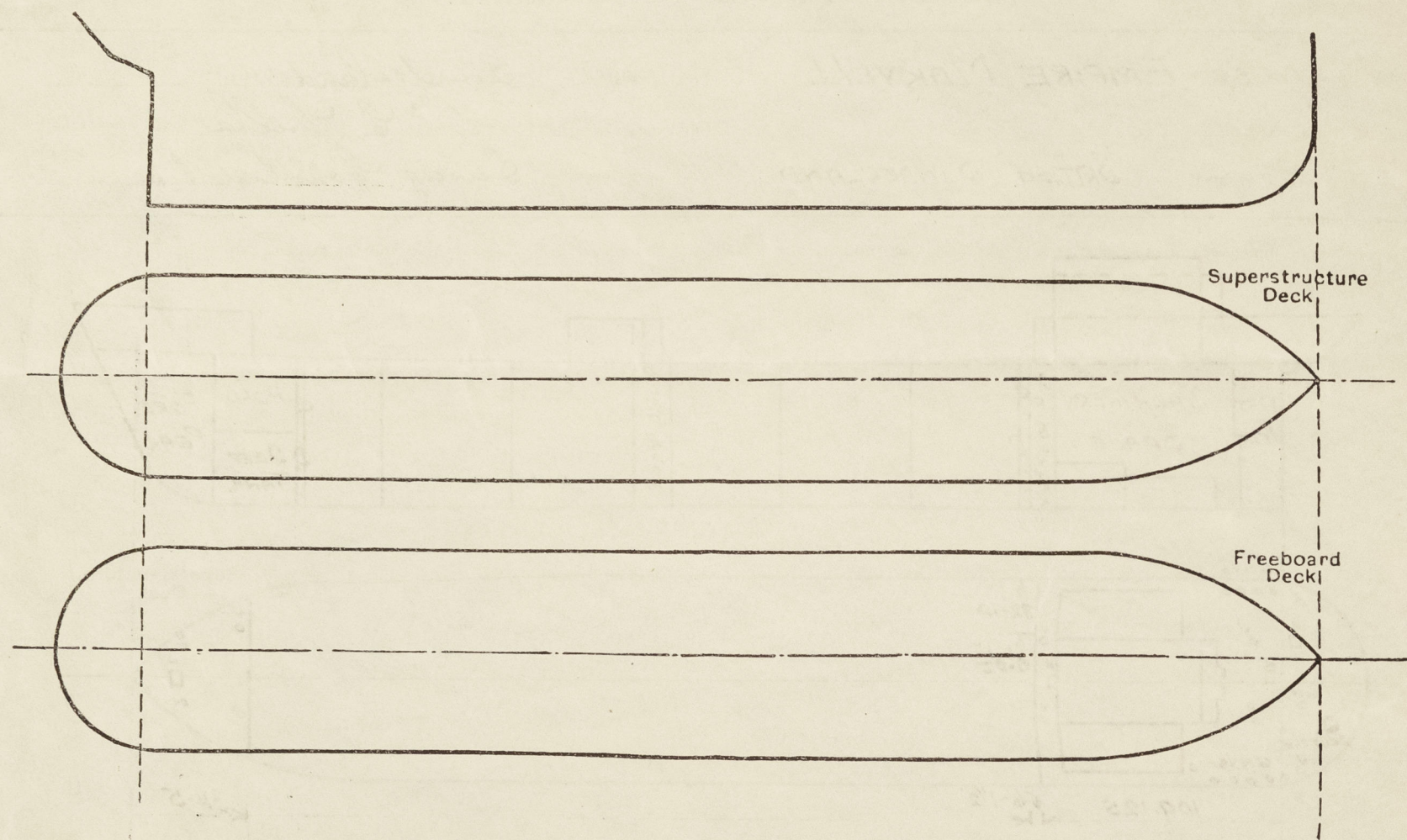
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	(a) Mechan Type W.T. door (b) 3 1/2" wood cover in full height riveted channels.
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	✓
Bridge, Forward Bulkhead ...	✓
Forecastle Bulkhead ...	3" wood cover in full height riveted channels. ✓
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 hiddle, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Engine Room Skylight, Hiddle, Funnel, & Ventilator coaming of steel strongly constructed.  
Hiddle opening fitted with hinged steel cover. ✓

Particulars of Flush Bunker Scuttles:—

NONE

Particulars of Companionways:—

To Forward Pump Room. plating 40, deck opening 3'2" x 2'9", door 4'0" x 2'3", coaming 19" ✓  
Hecan Type W.T. door.  
Pump Room Entrance plating 35 & 25, stiffeners 4" x 3" x 36 @ 30", beams 5" x 3" x 30 @ 30", 1 door 4'0" x 2'3", 18" coaming with Hecan Type door, 2 skylights 5'6" x 4'0". ✓

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

Fore Deck. 2-9" Vents to Fore Luccan Decks Coaming 36" x 32".  
2-15" " " Forward Hold " 36" x 36"  
Poop Deck. 6-6" " " Store, Steering Gear, etc. " 30" x 30"  
11-5" G.N. " " Washhouses etc. 18" to lip.  
Upper Deck. 1-9" " " Void Pump Room Coaming 36" x 32". ✓

Ventilators fitted with wood plug & canvas cover.

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

Air pipes on Poop Deck to O.B. tanks 18" to lip. ✓  
Air pipes on Upper Deck 36" to lip. ✓

Air pipes fitted with wood plug or gang & canvas cover.

"EMPIRE MARVELL"

Particulars of Gangway Cargo and Coaling Ports:—

NONE

Particulars of Scuppers and Sanitary Discharge Pipes:—

4-6" x 2 1/2" slots cut in stringer angle, each side, to drain upper deck.  
Discharges from spaces on & above freeboard deck, led to N.R. valves on shell, below freeboard deck. ✓

Particulars of Side Scuttles:—

10" dia. sidelights to Accom in Poop Luccan Decks, fitted with substantial hinged deadlights. ✓

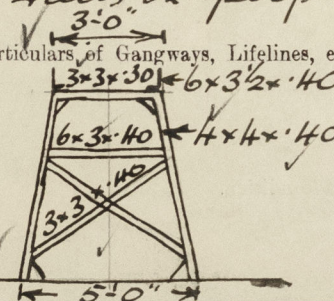
Vertical distance of Sill of lowest Side Scuttle above top of keel

42'-6" ✓

Particulars of Guard Rails:—

Steel Bulwark 3'-6" high in way of midship deckhouse, and at ends of poop & fore decks. On Poop & fore decks, and on remainder of upper deck, rails 3'-6" high, stanchions 2 1/2" x 1 1/2" flat welded to deck, spaced 5'-0" apart, 3 rails on poop & upper deck, 2 rails on fore deck. ✓

Particulars of Gangways, Lifelines, etc.:—



Gangway 7'-6" to 7'-0" high from poop to bridge, and from bridge to foremast, with 1/4" chequered plating. Support 9'-6" to 9'-10 1/2" apart, fore & aft bracing 3 off aft, & 2 off forward. Lifeline from ladder on forward gangway to forecastle. ✓

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 ...	✓					
Forward Well ...	✓					

State position of each freeing port ... After Well:— ✓  
(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. ✓



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# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.	
Description of Hatchway	FREEBOARD DECK.
Dimensions of Hatchway	18 hatches to Cargo Tanks. 5'-3" x 4'-0" Coaming 8" x 50", 50 O.T. covers with 14 toggles spaced 15 apart.
COAMINGS	Height above Deck ... Thickness ... Stiffeners ... Brackets, Stays ... Hatch to Fore Hold. 8'-0" x 12'-0", Coaming 30" x 44", 7" L stiffeners at sides, 4 plate stays, 36" W.T. cover with 3-6" L stiffeners, 20 toggles. Access manhole in cover 30" x 24" 4" Coaming 42 W.T. cover with 6 toggles.
HATCH BEAMS	Number ... Spacing ... Scantling and Sketch ... 6 Access manholes to Cofferdams & O.F. Bunker 23" x 18" 8" x 40 coaming, 50 O.T. covers, 5 toggles. Hatch to Chain Locker. 2'-0" x 1'-9", Coaming 9" x 40", Rest, Cover, cleats, 1 tarpaulin.
FORE AND AFTERS	Number ... Spacing ... Unsupported Lengths ... Scantling* and Sketch ... Bearing Surface ... Hatch to Fore Lower Deck. 2'-6" x 2'-6", Coaming 4" x 38" 40" W.T. cover, 8 toggles.
HATCH COVERS	Material ... Thickness ... How fitted ... Bearing Surface ... POOP DECK. Hatch to Deck Store 2'-6" x 2'-6" x 8" x 40" coaming, Rest, Cover, cleats, 2 tarpaulins. 2 Hatches to Magazine & Store 2'-6" x 2'-6", Coaming 9" x 40" 40" W.T. cover, 8 toggles.
Spacing of Cleats	1-18" dia. Flush scuttle to Steering Gear Space with substantial C.I. cover, bayonet fasten & chain attachment
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:—

4'-6"

Scuttle 3'-6" high in rear of midship deckhouse, and at fore & aft ends of fore deck. On Poop & Fore deck, and on mainmast platform high, 2'-6" x 1'-6" flat covered by deck. On Poop & upper deck, 2' wide on fore deck.

Gangway 7'-6" x 7'-0" high from poop to head

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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