

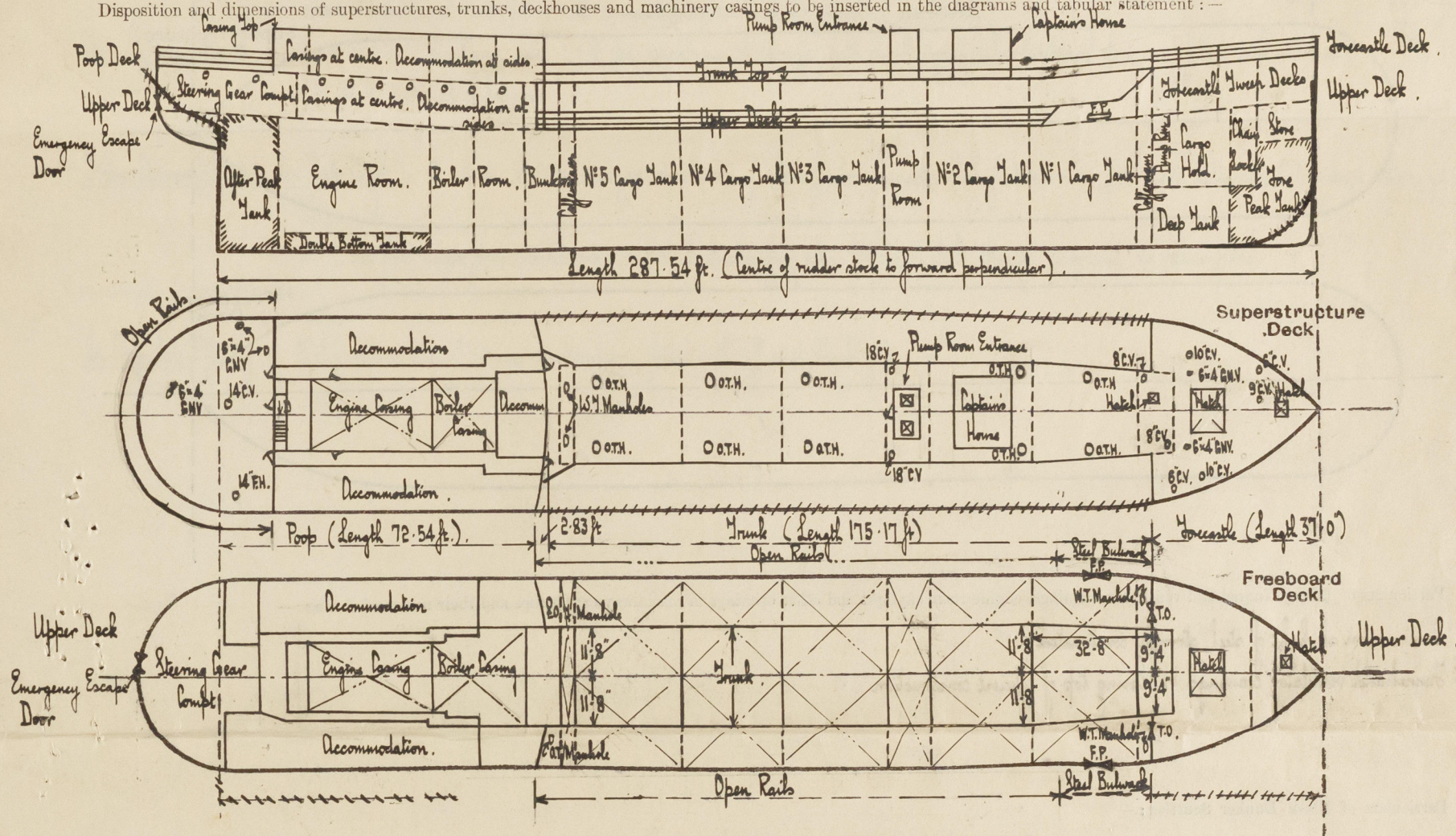
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name **EMPIRE JEWEL**Port of Survey **GRANGEMOUTH.**Official Number **180365.**Surveyor's Signature *James M. Winders*Nationality and Port of Registry **BRITISH. GRANGEMOUTH.**Date of Survey **WHILST 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.

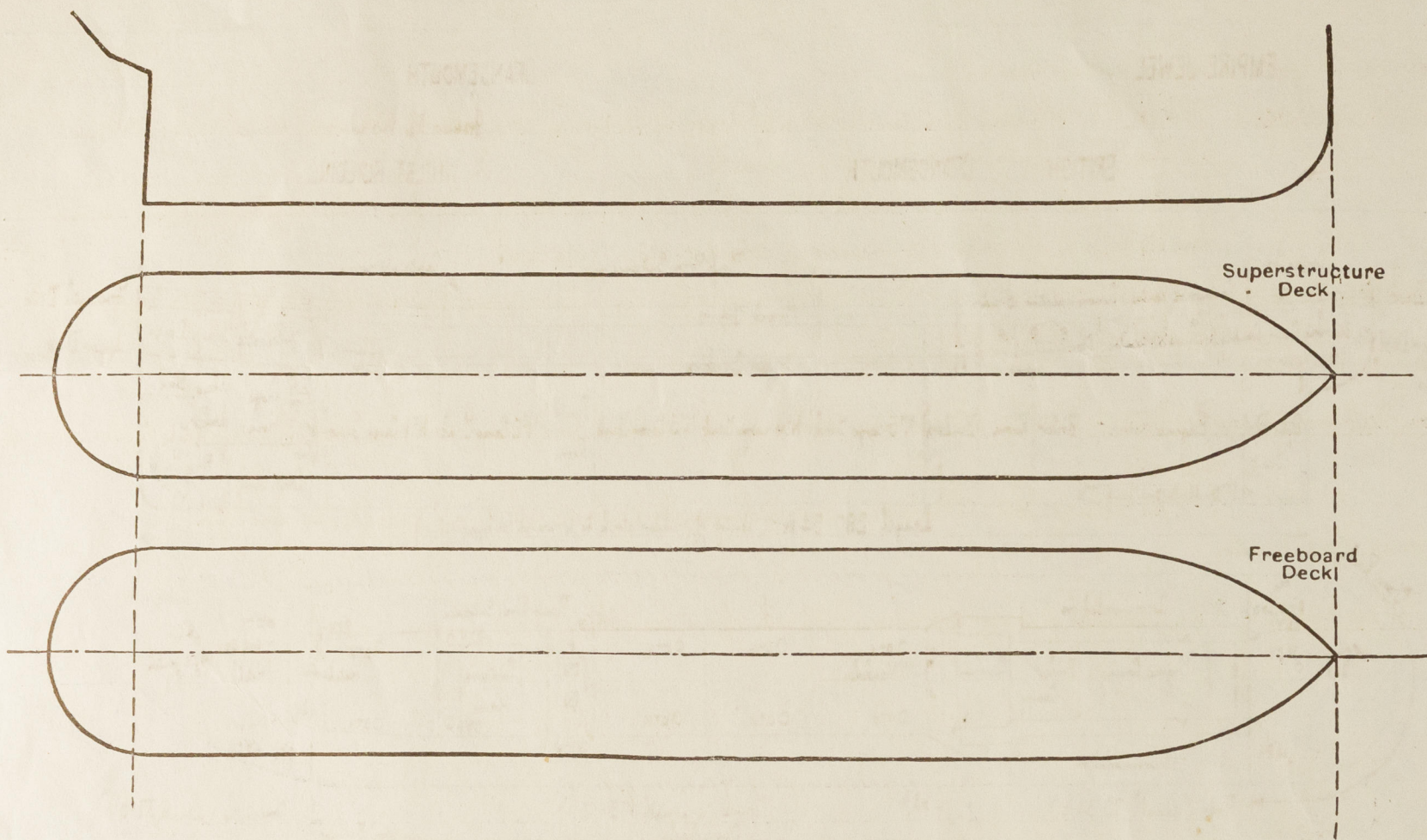
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	34"	34"	6" x 3" x 36" O.A. reverse welded to plating	24" and 25"	Bracketed at top. Welded direct to deck at bottom.	Intact.	-	7'5
Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead	26"	26"	3 1/2" x 3" x 30" riveted. 3" to bulkhead.	24"	None	2 at 4'6" x 3'0" 1 Port and 1 Starboard.	18"	6'5
Trunk, <u>Aft</u> Side	50"	50"	7" x 3" x 34" B.A. longitudinal	26"	Bracketed at ends.	Intact	-	6'5
Trunk, <u>Forward</u> Top	40" and 46"		7" x 3" x 34" B.A. longitudinal	28"	Bracketed at ends.	See details of oil cargo hatches.	-	
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	Intact
Raised Quarter Deck Bulkhead	
Bridge, After Bulkhead	
Bridge, Forward Bulkhead	
Forecastle Bulkhead	Two openings 4'6" x 3'0", closed by means of hook bolted plates, bolts spaced not less than 12" apart.
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 :—

Engine room skylight of steel, strongly constructed. ✓
Tunnel and ventilator coverings on casing top of efficient construction. ✓

Particulars of Flush Bunker Scuttles :—

None

Particulars of Companionways :—

No 4 Pump Room Entrance on Trunk Top, of steel, strongly constructed, opening in after end 5'-0" x 2'-0", sill 18", closed by means of hinged steel watertight door, operated from both sides. ✓

No 4 Port Linen Deck Accommodation, enclosed in after end of casing, opening 5'-0" x 2'-0", sill 18", closed by means of strong hinged wood door, operated from both sides. ✓

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

On Forecastle Deck :-

- 1. 9" dia. cowd vent to stone, coaming 36" high \times 30" thick.
- 2. 6" " " " forecastle tween decks, coamings 36" high \times 30" thick.
- 2. 10" " " " fore hold coamings 36" high \times 32" thick.
- 2. 6" \times 4" gooseneck ventilators to forecastle tween decks, 36" high.

On Trunk Top :-

- 2. 8" dia. cowd vents to forward pump room, coamings 36" high \times 32" thick.
- 2. 18" " " " main pump room, coamings 36" high \times 40" thick.

On Poop Deck :-

- 4. 6" \times 4" gooseneck ventilators to poop tween decks, 30" high.
- 1. 14" dia. cowd vent to poop tween decks, coamings 30" high \times 36" thick.
- 1. 14" dia. French head vent to poop tween decks, coaming 36" high \times 36" thick.

All ventilator coverings are to Rule requirements and are fitted wood plugs and canvas covers. ✓

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

On Forecastle Deck :- 1-3" dia. air pipe to fore peak tank, 18" high.
2-4" " " " " forward deep tank, 18" high.
On Upper Deck :- 2-5" " " " " forward cofferdam, 36" high.
4-4" " " " " bunkers, 6-6" high, efficiently stayed.
On Trunk Top :- 2-5" " " " " after cofferdam, 18" high.
1-3" " " " " settling tank, 18" high.
On Poop Deck :- 2-3" " " " " after peak tank, 18" high.

Air pipes to bunkers and settling tank fitted with gauge, remainder fitted with wood plugs and canvas covers.

Particulars of Gangway Cargo and Coaling Ports:—

Empire Jewel.

Non

Particulars of Scuppers and Sanitary Discharge Pipes :—

From Poop Tween Decks :- 2 - 4" dia. W.C. discharges; 3 - 2" dia. washbasin discharges, all discharging below freeboard deck and fitted with double automatic G.M. storm valves, the inner valve being always accessible.

The steering gear compartment is drained to the engine room bilge; and also by means of 2 - 2" dia. scuppers discharging overboard above the freeboard deck, fitted with screwed plug secured by chain (see sketch).

4. From Captain's House :- 1-4" dia. W.C. discharge and 1-2" dia. washbasin discharge, both discharging below freeboard deck and fitted with automatic G.M. storm valve at ship's side. ✓

From Accommodation on Poop Deck :- 2 - 4" dia. W.C. discharges, discharging above freeboard deck through poop side, fitted with automatic G.M. storm valve at ship's side. ✓
3 - 2" dia. discharges from washbasins and sink, discharging above freeboard deck, through poop side, no valves fitted. ✓

Particulars of Side Scuttles :—

In Poop Side Plating :- 9" dia. sidescuttles of strong construction, fitted with efficient deadlights. ✓

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

None below freeboard deck

Particulars of Guard Rails :—

Forecastle Deck :- Open rails, 3'-6" high, with 3 rods and stanchions spaced about 4'-6" apart.

Drunk Top :- " " 3'6" " " 2 " " " " " 4'6" "

After end of Poop Deck:- Open rails, 3'-6" high, with 3 rods and stanchions spaced about 4'-6" apart.

Upper Deck :- Open rails from port front to fore end of Captain's House, 3'-6" high, with 3 rods and stanchions spaced about 4'-6" apart. Steel bulkheads from fore end of Captain's House to fore-castle front, 3'-6" high, efficiently stayed. 1 freeing port, port and starboard, 5'-0" x 9', 0" from deck to lower edge of freeing port.


None.

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 $\frac{1}{2}$ 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.									
		Exposed on Upper Deck					Exposed on Superstructure Decks				
Description of Hatchway		DT. Manholes to Bunkers (2 off 1P and 1S.)	WT. Manholes to Forward Inlet (2 off 1P and 1S.)	Hatch to Peak Store.	Hatch to 4' coe Tween Decks	Hatch to Fore Hold.	Hatch to Forward Pump Room	Oil Cargo Hatch (10 off)	WT. Manholes to After Inlet (2 off 1P and 1S.)		
Dimensions of Hatchway		18" x 13"	18" x 13"	2' 6" x 2' 6"	2' 0" x 2' 0"	8' 0" x 8' 0"	2' 0" x 2' 0"	4' 0" diam.	18" x 13"		
COAMINGS	Height above Deck	10"	10"	9"	9"	30"	9"	10"	10"		
	Thickness	40"	40"	40"	40"	44"	40"	75"	40"		
	Stiffeners	-	-	-	-	-	-	-	-		
	Brackets, Stays	-	-	-	-	-	-	-	-		
HATCH BEAMS	Number										
	Spacing										
FORE AND AFTERS	Scantling and Sketch										
	Bearing Surface										
	Number										
	Spacing										
HATCH COVERS	Material	Steel	Steel	Wood	Steel	Steel	Steel	Steel	Steel		
	Thickness	40"	40"	2"	40"	40"	40"	40"	40"		
	How fitted	3/4" dia. studs spaced about 3" apart.	3/4" dia. studs spaced about 3" apart.	4" and 2"	WT. hinged cover, 3/4" dia. toggles and butterfly nuts, spaced 12"	5" x 3" x 40 O.A. rev. welded, spaced 21"	WT. hinged cover, 3/4" dia. toggles and butterfly nuts, spaced 12"	WT. hinged cover, 3/4" dia. toggles and butterfly nuts, spaced about 20" apart.	WT. hinged cover, 3/4" dia. studs spaced about 3" apart.		
	Bearing Surface	2 1/2" diagonal leather joint.	1/2" diagonal rope packing.	18"	18"	18"	18"	18"	18"		
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? Yes, where fitted.											
Are tarpaulins in good condition and in accordance with rule requirements? Yes, where fitted.											
Are lashings provided in accordance with rule requirements?											

Particulars of any special features:—
Emergency Escape Door in Shell Aft, between Upper and Poop Deck on port side (in steering gear compartment). 21" x 21" clear opening, 40" hinged steel door, watertight, 5 toggles fitted, operated from inside only.

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.