

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

### (CONDITIONS OF ASSIGNMENT.)

Ship's Name "EMPIRE MAIDEN"

Port of Survey Glasgow.

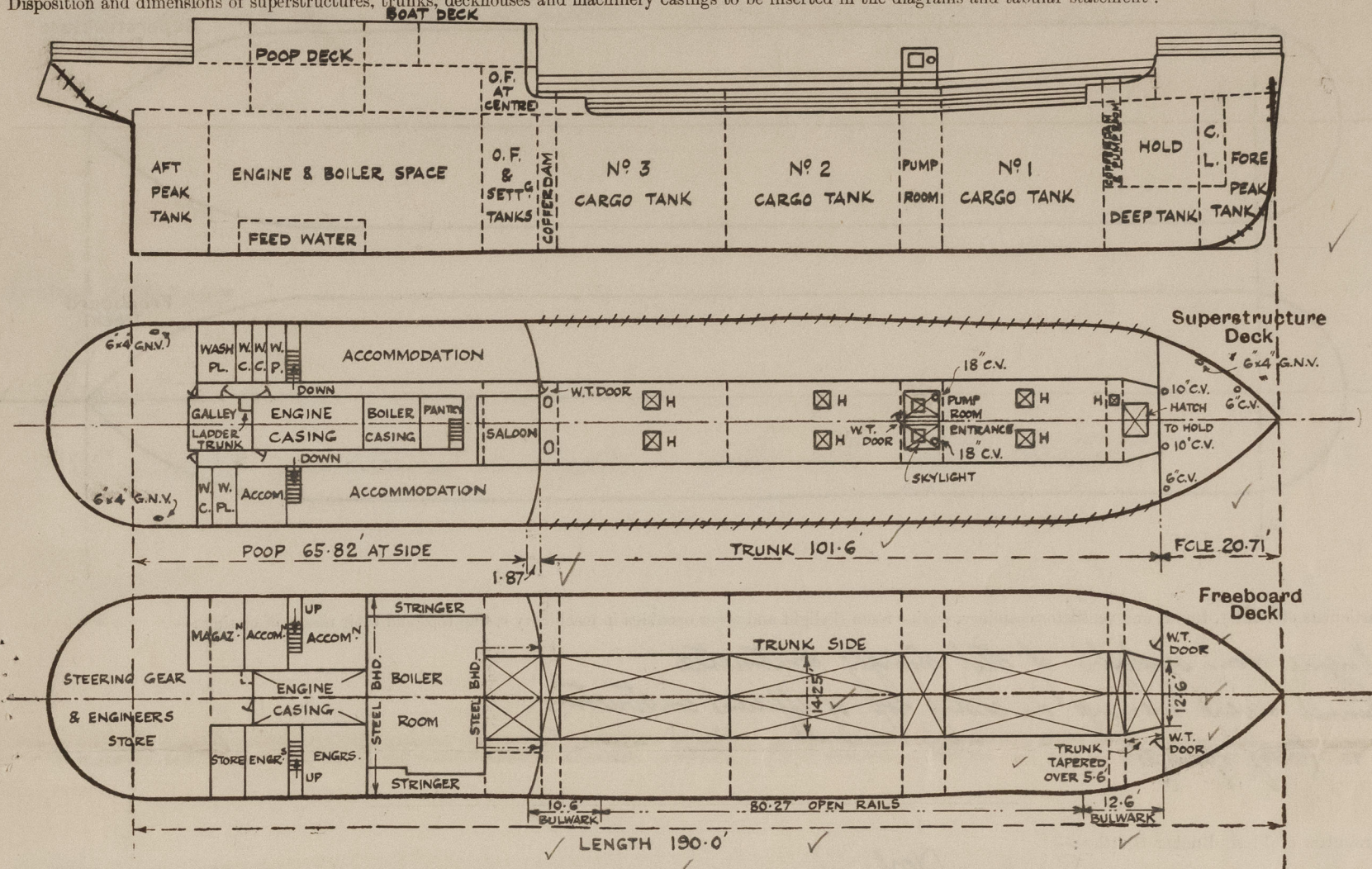
Official Number 168705

Surveyor's Signature L. W. Bolwell.

Nationality and Port of Registry British. Glasgow.

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 <i>at sides of trunk</i>	42 x 35	35	7 x 3 x 36 R.A.	28 1/2	Bracketed T & B.	None	✓	4'6"
<i>at centre above trunk</i>		35	5 x 3 x 38 O.A.		Bracketed top, unattached at bottom			
Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead	✓	30	3 x 3 x 34 L	25	None	1'6" x 1'5"	18"	4'0" at side, 6'6" at stem
Trunk, <i>side</i>	35	✓	35 flanged webs sp. 7'6" + 9'4"	35	Web & R to transverse.	4'6" x 2'0"	✓	3'6"
<i>top</i>		35 + 40	with intermediate webs 11" x 35" fl.	4'6" + 9'4"	Bracketed	See particulars of hatchways	✓	
Trunk, Forward			4 x 3 x 33 R.A. long	28 1/2				
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								

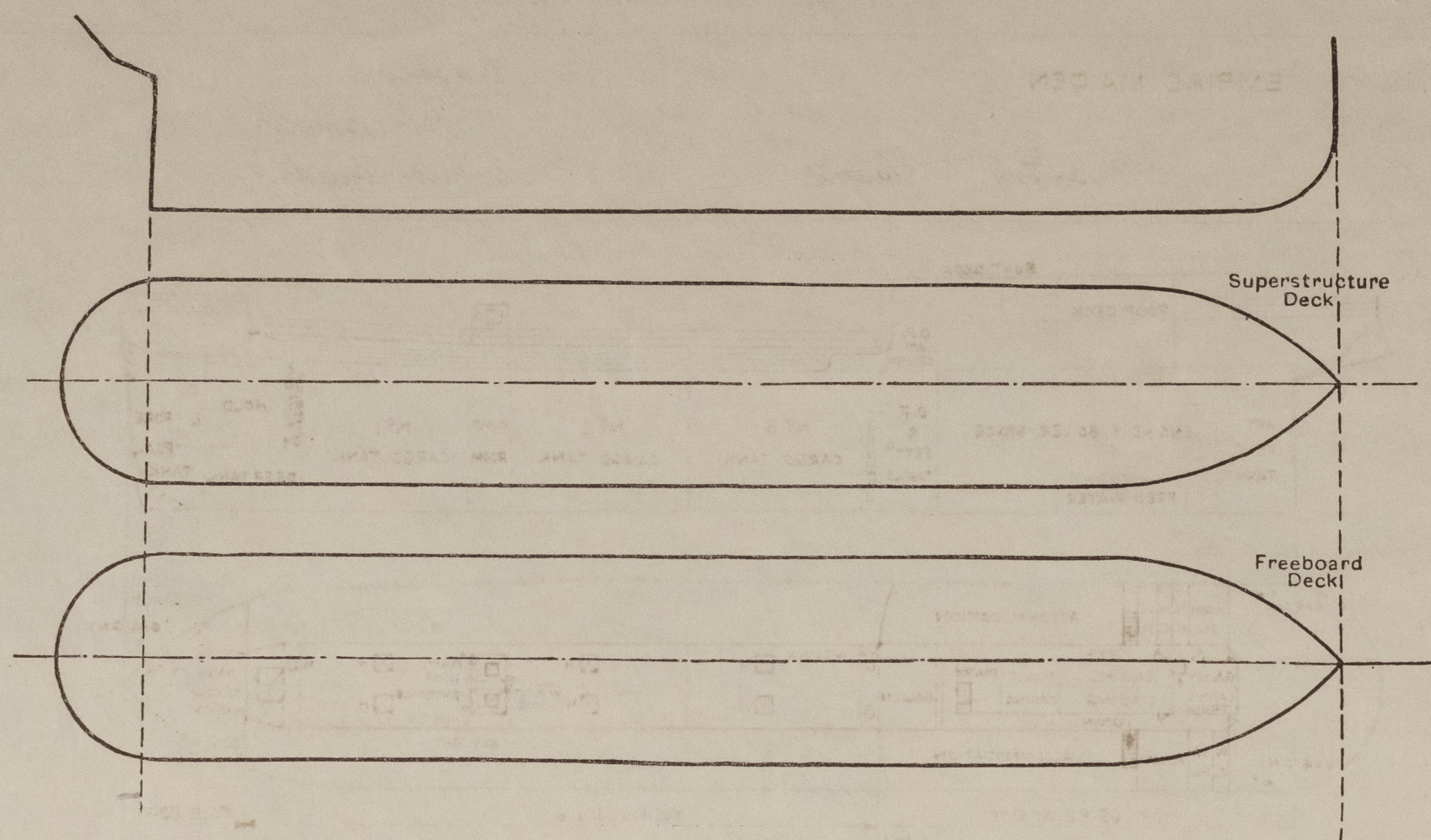
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead	No openings	✓	Mankole openings with steel plate covers secured by bolts tapped through the bulkhead plating and spaced about 3' apart.
Raised Quarter Deck Bulkhead			
Bridge, After Bulkhead			
Bridge, Forward Bulkhead			
Forecastle Bulkhead			
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 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. ✓  
 Funnel & vent coamings on casing top of efficient construction. ✓  
 No fiddle opening. ✓

Particulars of Flush Bunker Scuttles:—

None. ✓

Particulars of Companionways:— Accommodation in poop, & to engine & boiler space, in substantial steel deckhouse on poop deck. Opening in after end of house 4'11" x 2'0". Solid wood doors, operated from both sides (P & S). ✓  
 Opening in forward end of house (port side) 4'11" x 2'0". Steel hinged N.T. door operated from both sides. Afts to after opening 18". Sill to forward opening 18". Main pump room entrance on trunk top, of steel, strongly constructed. Opening in after end 4'6" x 2'0". Sill 18". Steel hinged N.T. door operated from both sides.

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

Fore Deck 2 @ 6" C.V. to Fore. Coamings 36" x 30". ✓  
 1 @ 10" C.V. to Fore. Hold. Coaming 48" x 32" with supporting brackets. ✓  
 1 @ 6" x 4" G.N.V. to Fore. 18" high to opening (C.I.) ✓  
 Trunk Top 1 @ 10" C.V. to Fore. Hold. Coaming 48" x 32" with supporting brackets. ✓  
 1 @ 6" C.V. to Fore. Pump Room. Coaming 36" x 30". ✓  
 1 @ 6" x 4" G.N.V. to Fore. Pump Room. 18" high to opening (C.I.) ✓

Main Pump Room 2 @ 18" C.V. to Pump Room. Coaming 34" x 40". ✓  
 Entrance Top.

Poop Deck 2 @ 6" x 4" G.N.V. to Steering Gear Space. 18" high to opening (C.I.) ✓  
 All cond vents to Rule requirements & fitted with wood plugs & canvas covers. ✓

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

Fore Deck 1 @ 4" M.I. to fore peak tank 18" high. ✓  
 Trunk Top 2 @ 4" M.I. to forward deep tank 27" high. ✓  
 Poop Deck 2 @ 2" M.I. to F.W. tanks in Poop 18" high. ✓  
 2 @ 2" M.I. to after peak tank 23" high. ✓  
 Poop Fore. Hold. 2 @ 3" M.I. to G. & B. Bunkers 6'0" high above Poop Hk. & secured to deckhouse front. ✓  
 Upper Deck 1 @ 3" M.I. to settling tank 6'0" high secured to poop fore. bulkhead. ✓  
 Air pipes to G. & B. Bunkers & settling tank fitted with gauge; remainder fitted with wood plugs & canvas covers. ✓

Particulars of Gangway Cargo and Coaling Ports:—

None.

Particulars of Scuppers and Sanitary Discharge Pipes:—

Scuppers from poop deck led through ship's side above freeboard deck. ✓  
 Scuppers from upper deck in poop led to engine room bilges. ✓  
 Discharges from W.C.'s & washplaces on poop deck led through ship's side above freeboard deck & fitted with brass storm valves at outlets. ✓

Particulars of Side Scuttles:—

Poop - 9" x 10" dia. ✓

Forecastle - 9" dia. ✓

All sidelights of substantial construction & fitted with hinged deadlights. ✓

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

None below freeboard deck. ✓

Particulars of Guard Rails:—

Fore Deck - Open rails, 3'6" high with 3 rods & stanchions 4'0" to 5'0" apart. ✓  
 Trunk Top - " " " " " 4 " " " 4'0" to 4'6" ✓  
 Upper Deck - " " " " " 3 " " " 4'0" to 4'6" ✓  
 Poop Deck - " " " " " 3 " " " 4'6" ✓

Particulars of Gangways, Lifelines, etc.:—

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 <del>Well</del> Bulwark ...	10.6'	3' 4"	mooring pipe 10" x 8"	1	.45 sq' ✓	
			freeing port 24" x 4"	1	.66 sq' ✓	
Forward <del>Well</del> Bulwark...	12.6'	3' 4"	mooring pipe 10" x 8"	1	.45 sq' ✓	
			freeing port 24" x 4"	1	.66 sq' ✓	

State position of each freeing port ... (After ~~Well~~ Bulwark 1' 7" from poop front, 2" above deck edge. ✓  
 (F. and A. position and height above deck edge) Forward ~~Well~~ Bulwark 5' 0" from fore end, 2" 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.



## PARTICULARS OF PROTECTION TO OPENINGS, ETC.

		TRUNK TOP							
		HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.							
Description of Hatchway ... ..		To After	To Main	To Fore	To Fore				
Dimensions of Hatchway ... ..		Cofferdam	Cil Tanks	Cofferdam	Hold.				
COAMINGS	Height above Deck ... ..	1 P 15	3 P 35	1 P					
	Thickness { Sides ... ..	coaming	coaming	coaming	coaming				
	Stiffeners ... ..	9 x 3 1/2 x 3 1/2 x 50	10 x 3 1/2 x 44	9 x 3 x 40	9 x 3 x 40				
	Brackets Stays ... ..	channel.	B.A. ✓	B.A. ✓	B.A.				
HATCH BEAMS	Number ... ..	Portable	50 steel	42 steel	40 steel				
	Spacing ... ..	steel covers	hinged	cover	cover				
	Scantling and Sketch ... ..	secured with	covers	secured	secured				
	Bearing Surface ... ..	tap bolts	secured	with	with				
FORE AND AFTER	Number ... ..	coaming.	13 ✓	✓	✓				
	Spacing ... ..	✓							
	Unsupported Lengths ... ..								
	Scantling* and Sketch ... ..								
	Bearing Surface ... ..								
HATCH COVERS	Material ... ..								
	Thickness ... ..								
	How fitted ... ..								
	Bearing Surface ... ..								
Spacing of Cleats ... ..									
Number of Tarpaulins ... ..									
<p>*Are wood fore and afters steel shod at all bearing surfaces? ✓</p> <p>Are battens and wedges efficient and in good condition? ✓</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? ✓</p> <p>Are lashings provided in accordance with rule requirements? ✓</p>									

Particulars of any special features:—

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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Foundation