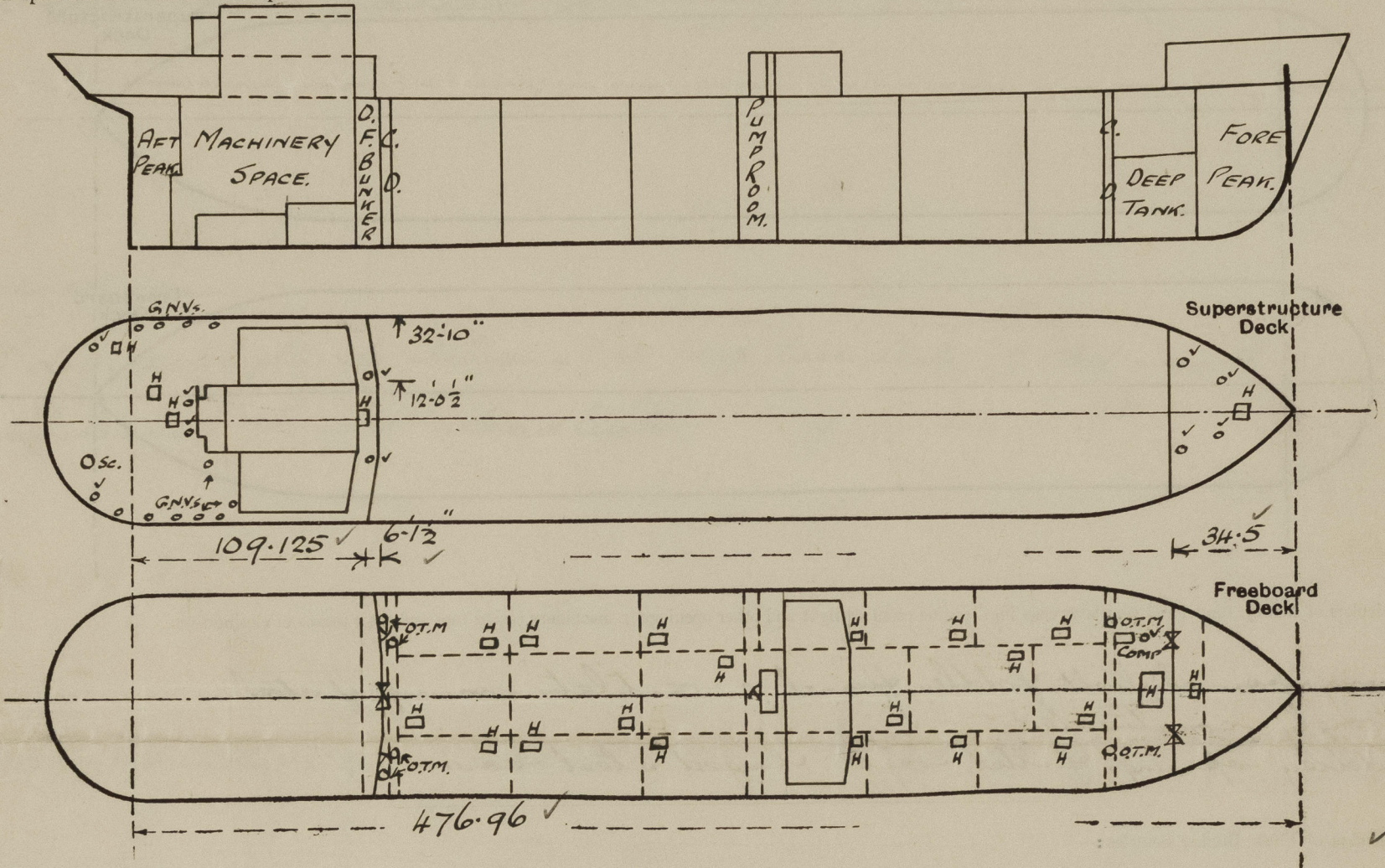


Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

Nº 33549

Ship's Name *S.S. EMPIRE COLLINS* Port of Survey *Sunderland*
Official Number *169106* Surveyor's Signature *W. C. Willis*
Nationality and Port of Registry *BRITISH, SUNDERLAND* Date 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	10x3 1/2 x 50 L	30"	Lugged top welded bottom	20 1/4 x 6 x 2 3/4 (a) 10 5/8 x 4 1/2 (b)	18"	7'-6"
Raised Quarter Deck Bulkhead ...		✓						
Bridge, After Bulkhead ...		✓						
Bridge, Forward Bulkhead ...		✓						
Forecastle Bulkhead ...	30	30	5x3 x 5/16 OA	30"	Riveted to boundaries	20 1/4 x 3 1/4	18"	7'-6"
Trunk, Aft ...		✓						
Trunk, Forward ...		✓						
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...		✓						
Exposed Machinery Casings on Superstructure Decks ...	34	32	5x3 x 3/8 OA	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) Heelan Type W. T. door operated both sides; (b) 3 1/2" shifting boards in full height welded channels.
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	✓
Bridge, Forward Bulkhead ...	✓
Forecastle Bulkhead ...	3" shifting boards in full height welded 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 ...	✓

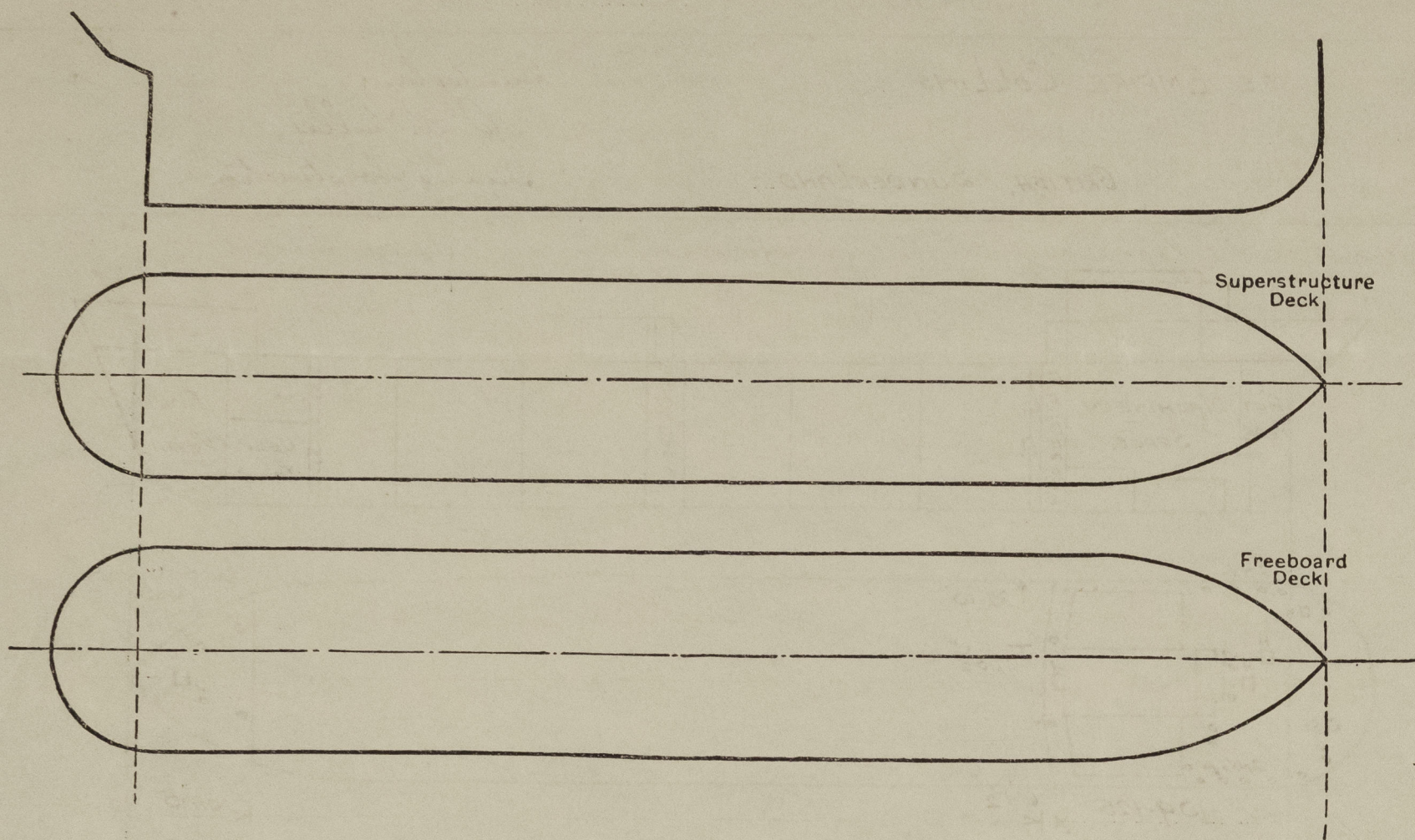


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PARTICULARS OF PROTECTION TO OPENINGS, ETC.

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, fiddle, funnel, & ventilator coamings of steel strongly constructed.
Fiddle openings fitted with hinged steel covers. ✓

Particulars of Flush Bunker Scuttles:—

NONE.

Particulars of Companionways:—

To Forward Pump Room. Plating 1/40", deck opening 3'-2" x 2'-9", door 4'-0" x 2'-3", 19" coaming, hacha type W.T. door. ✓
Pump Room Entrance plating 3/50" x 25", stiff 4 x 3 x 36" Q.A. @ 30", beam 5 x 3 x 30" L @ 30", hacha type door 4'-0" x 2'-3", 18" coaming, 2 skylights 5'-6" x 4'-0".

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

FORE DECK. 2-9" Vents to 4th Lucca Deck Coaming 36" x 32".
2-15" " " " " 36" x 36". ✓

POOP DECK. 6-6" " " " " 30" x 30".
11-5" G.N. " " " " 18" to lip. ✓

UPPER DECK. 1-9" Vent to Forward Pump Room Coaming 36" x 32". ✓

Ventilators fitted with wood plugs & canvas covers. ✓

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

Air pipes on Poop Deck to D.B. tanks 18" to lip. ✓

Air pipes on Upper Deck 36" to lip. ✓

Air pipes fitted with wood plugs or gauge & canvas covers. ✓

Particulars of Gangway Cargo and Coaling Ports:—

NONE.

Particulars of Scuppers and Sanitary Discharge Pipes:—

6" x 2 1/2" slots cut in stringer ke, each side, to drain upper deck.
Discharges for spaces on & above freeboard deck, led to H.R. valves on shell, below freeboard deck. ✓

Particulars of Side Scuttles:—

10" dia. side lights to Accom² in Poop Lucca Deck, 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 Deckhouse & at ends of Poop & 4th Deck.
on Poop & 4th Deck, & on remainder of upper deck, rails 3'-6" high, stanchion 2 1/2" x 1/2" flat, welded to deck, spaced 5'-0" apart, 3 rails on Poop & upper deck, 2 rails on 4th Deck. ✓

Particulars of Gangways, Lifelines, etc.:—

Gangway 7'-6" to 7'-0" high from Poop to Bridge, & from Bridge to Foremast.
with 1/4" chequered plating. Supports 9'-6" & 9'-10 1/2" apart, fore & aft.
Tracing 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. ✓						

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" x 8'50" .50" O.T. covers, 14 toggles, @ 15" ✓				
COAMINGS	{	Height above Deck	...	...	Hatch to Fore Hold 8'0" x 12'0" x 30" x 44", 7" L stiff sides & ends, 4 plate				
		Thickness	...	...	stays, 36" W.T. covers with 3-6" L stiff, 20 toggles. Accor				
		Stiffeners	...	...	manhole in cover 36" x 24" x 4", 42" W.T. covers with 6 toggles. ✓				
		Brackets, Stays	...	...	6 Accor manholes to Cofferdam & O.F. Bunker. 23" x 18" x 8" x 40"				
HATCH BEAMS	{	Number	...	...	.50" O.T. covers with 5 toggles. ✓				
		Spacing	...	...	Hatch to Chain Locker 2'0" x 1'9" x 9" x 40", Rest, cover, cleats				
		Scantling and Sketch	...	...	& 1 tarpaulin. ✓				
		Bearing Surface	...	...	F'LE. DECK. Hatch to Lcb Tween Deck 2'6" x 2'6" x 4" x 38"				
FORE AND AFTERS	{	Number	...	...	40 W.T. covers, 8 toggles. ✓				
		Spacing	...	...	POOP DECK.				
		Unsupported Lengths	...	...	Hatch to Deck Store 2'6" x 2'6" x 18" x 40", Rest, cover, cleats				
		Scantling and Sketch	...	...	2 tarpaulins ✓				
		Bearing Surface	...	...	2 Hatches to Magazine & Store 2'6" x 2'6" x 9" x 40"				
HATCH COVERS	{	Material	...	...	40" W.T. covers, 8 toggles. ✓				
		Thickness	...	...	Escape Hatch to Steering Gear 1'9" x 1'9" x 8" x 40", 40 W.T. covers				
		How fitted	...	...	with 3 toggles. ✓				
		Bearing Surface	...	...	1-18 dia Flush Scuttle to Steering Gear. Space with substantial				
Spacing of Cleats		...	...	...	C.I. cover, bayonet joints & chain attachment. ✓				
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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