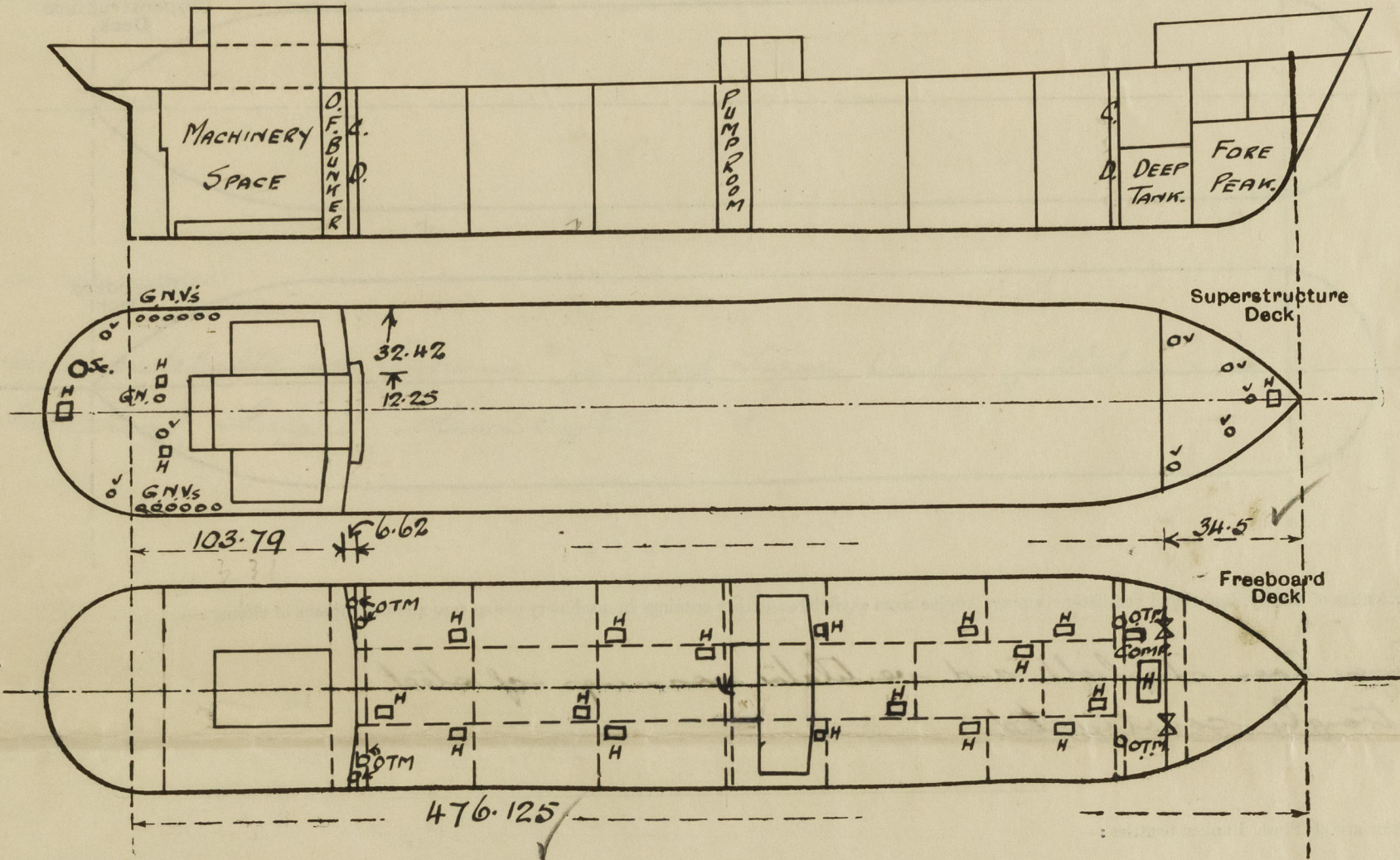


Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

Nº 33501

Ship's Name *M.V. EMPIRE CAVALIER.* Port of Survey *Sunderland*
Official Number *169033* Surveyor's Signature *H. E. Hulls*
Nationality and Port of Registry *British, Sunderland* Date of Survey *During Construction.*

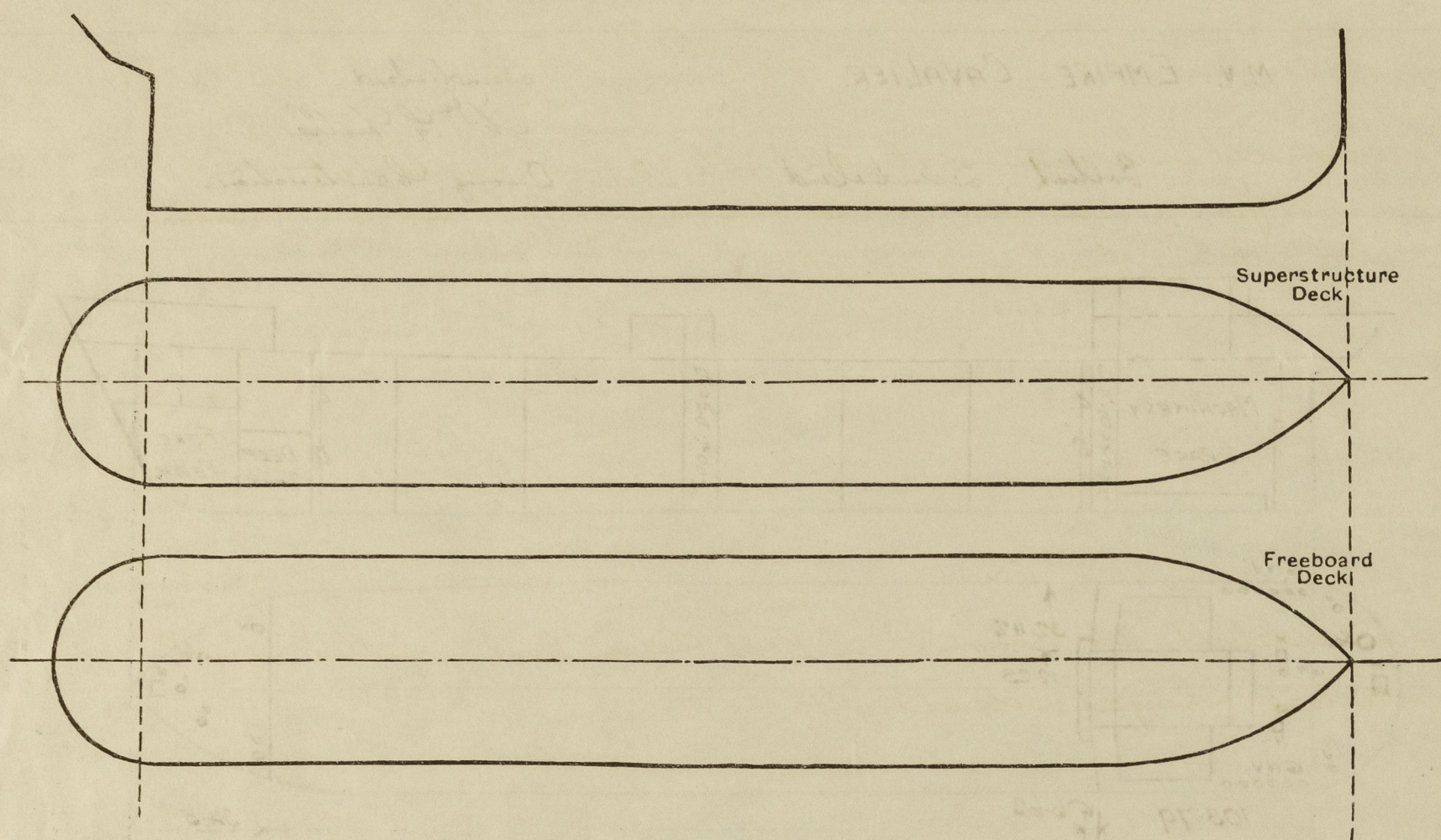
Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement : —



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 1/2 L	30"	Suggested top welded to deck	2 @ 4'-6" x 2'-3"	18"	7'-6"
Raised Quarter Deck Bulkhead ...	✓	✓						
Bridge, After Bulkhead ...	✓	✓						
Bridge, Forward Bulkhead ...	✓	✓						
Forecastle Bulkhead ...	30	30	5x3x5/16 OA	30"	Repeted to boundaries	2 @ 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 ...	26	26	4x2 1/2 x 1/4		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 ...	Heckler Type W.T. door operated from both sides. ✓							
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	✓							
Bridge, Forward Bulkhead ...	✓							
Forecastle Bulkhead ...	3" shifting boards in full height riveted channel. ✓							
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 and ventilator coamings of steel strongly constructed. ✓

Particulars of Flush Bunker Scuttles:—

NONE. ✓

Particulars of Companionways:—

To Forward Ramp Room. Plating 1/40", deck opening 3'-7" x 3'-0", door 4'-0" x 2'-3" coaming 20", Mechan Type W. T. door. ✓
Ramp Room Entrance Plating 3/50" x 25", stiff 4' x 3' x 36" OA @ 30", beams 5' x 3' x 30" L @ 30" door 4'-0" x 2'-3", 18" coaming, with Mechan Type W. T. 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 Lower Deck, Coaming 36" x 32".
2-15" " " Fore Hold " 36" x 36".
1-6" " " Fore Store " 36" x 30".
POOP DECK. 3-6" " " Store, Steering Gear etc. " 30" x 30".
2-4", 13-5" G.M. " Washhouse etc. 18" to lip.

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

Ventilators fitted with wood plug & canvas covers, G.M. with wood plugs. ✓

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

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

Air pipes fitted with wood plugs. ✓

"EMPIRE CAVALIER"

Particulars of Gangway Cargo and Coaling Ports:—

NONE. ✓

Particulars of Scuppers and Sanitary Discharge Pipes:—

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

Particulars of Side Scuttles:—

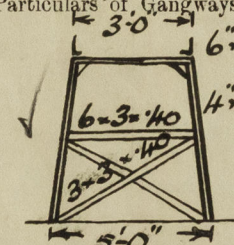
10" dia. sidelights to Accom² in Poop & Upper Decks, fitted with substantial hinged deadlights. ✓

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 Deckhouse & at ends of Poop & Fore Decks.
On Poop & Fore Decks, & on remainder of Upper Deck, rails 3'-6" high, stanchions 2 1/2" x 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.:—



6'-3 1/2" x 1/40" Gangway 7'-6" to 7'-0" high from Poop to Bridge, & from Bridge to Fore & aft bracing, 3 off forward & aft. ✓

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", Coaming 8" x 50", 50 O.T. covers						
COAMINGS	{	Height above Deck	with 14 toggles spaced 15"						
		Thickness	Hatch to Fore Hold, 8' x 12', Coaming 30" x 44", 7" I stiff sides & ends						
		Sides	4 plate stays, 36 W.T. cover with 3-6" I stiff, 20 toggles.						
		Ends	Access Hatch in cover 36" x 24", 4" coaming, 42 W.T. cover with 6 toggles.						
HATCH BEAMS	{	Stiffeners							
		Brackets, Stays							
		Number	6 Access man holes to Luffardams & O.F. Bunker, 23" x 18"						
		Spacing	8" x 40" coaming, 50" O.T. covers with 5 toggles						
FORE AND AFTERS	{	Scantling and Sketch	Hatch to Chain Locker 2'0" x 1'9", Coaming 9" x 40", Rest, Cover cleats & 1 tarpaulin.						
		Bearing Surface	Hatch to Fore Peak Store 3'0" x 3'0", 9" I coaming, with Rest, Cover, cleats, & 1 tarpaulin.						
		Number	FC'LE DECK.						
		Spacing	Hatch to Fore Tween Decks, 2'6" x 2'6", Coaming 4" x 38", 40" W.T.						
HATCH COVERS	{	Unsupported Lengths	Cover with 8 toggles.						
		Scantling and Sketch	POOP DECK.						
		Bearing Surface	2 Hatches to Magazine & Store, 2'6" x 2'6", Coaming 9" x 40"						
		Material	40" W.T. cover with 8 toggles.						
HATCH COVERS	{	Thickness	Escape Hatch to Steering Gear, 2'0" x 2'6", Coaming 8" x 40"						
		How fitted	40" W.T. cover, 4 toggles.						
		Bearing Surface	1-18" dia Flush Scuttle to Steering Gear Space with						
		Spacing of Cleats	substantial C.I. Cover, with bayonet joint & 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:—

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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