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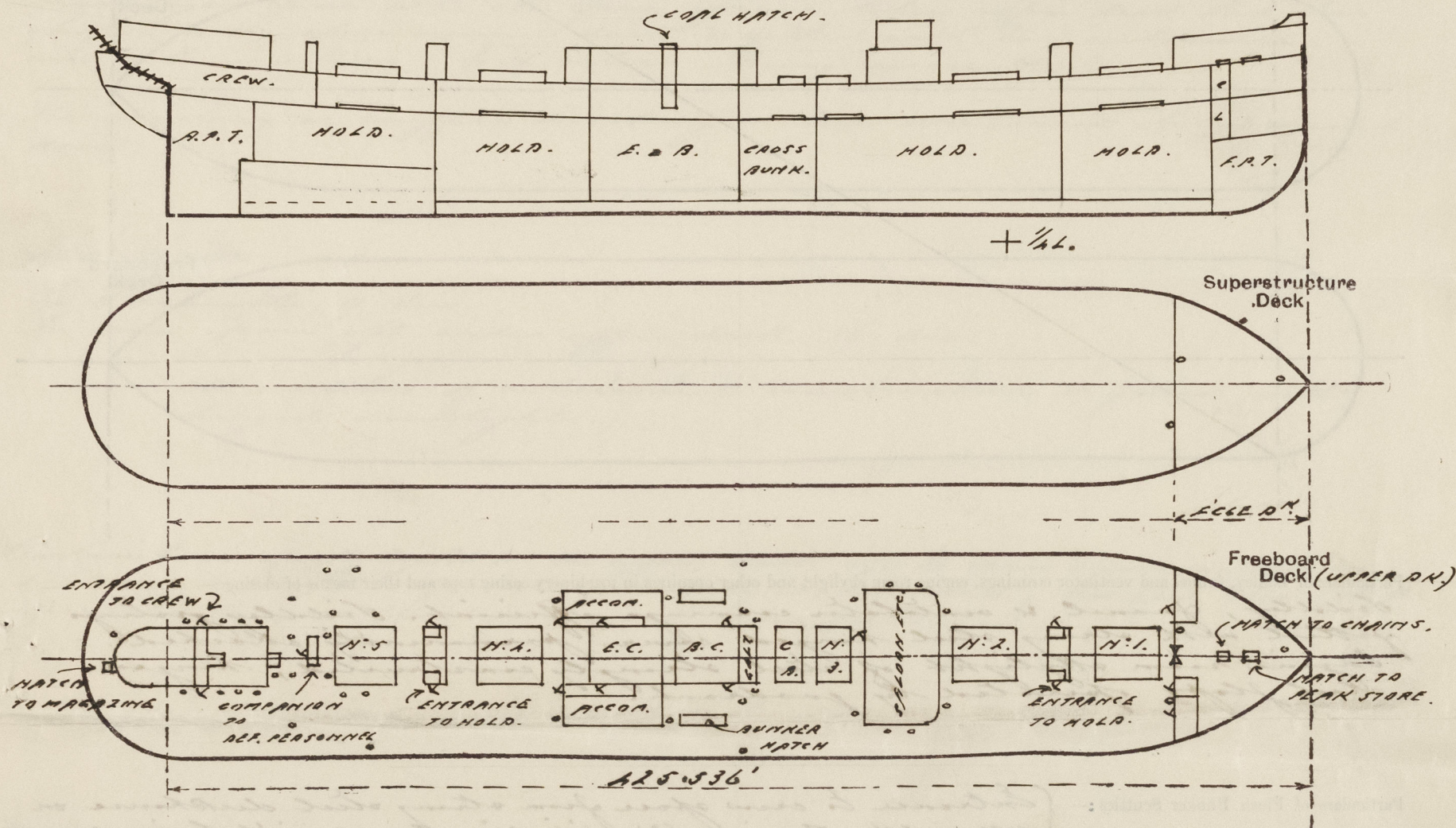
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.) *Grk. Ref. No. 22391.*

Ship's Name *"EMPIRE DARING"* Port of Survey *Port Glasgow.*
Official Number *169506* Surveyor's Signature *H. L. Swinton.*
Nationality and Port of Registry *British, Greenock.* Date of Survey *While Building. 20.7.43.*

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

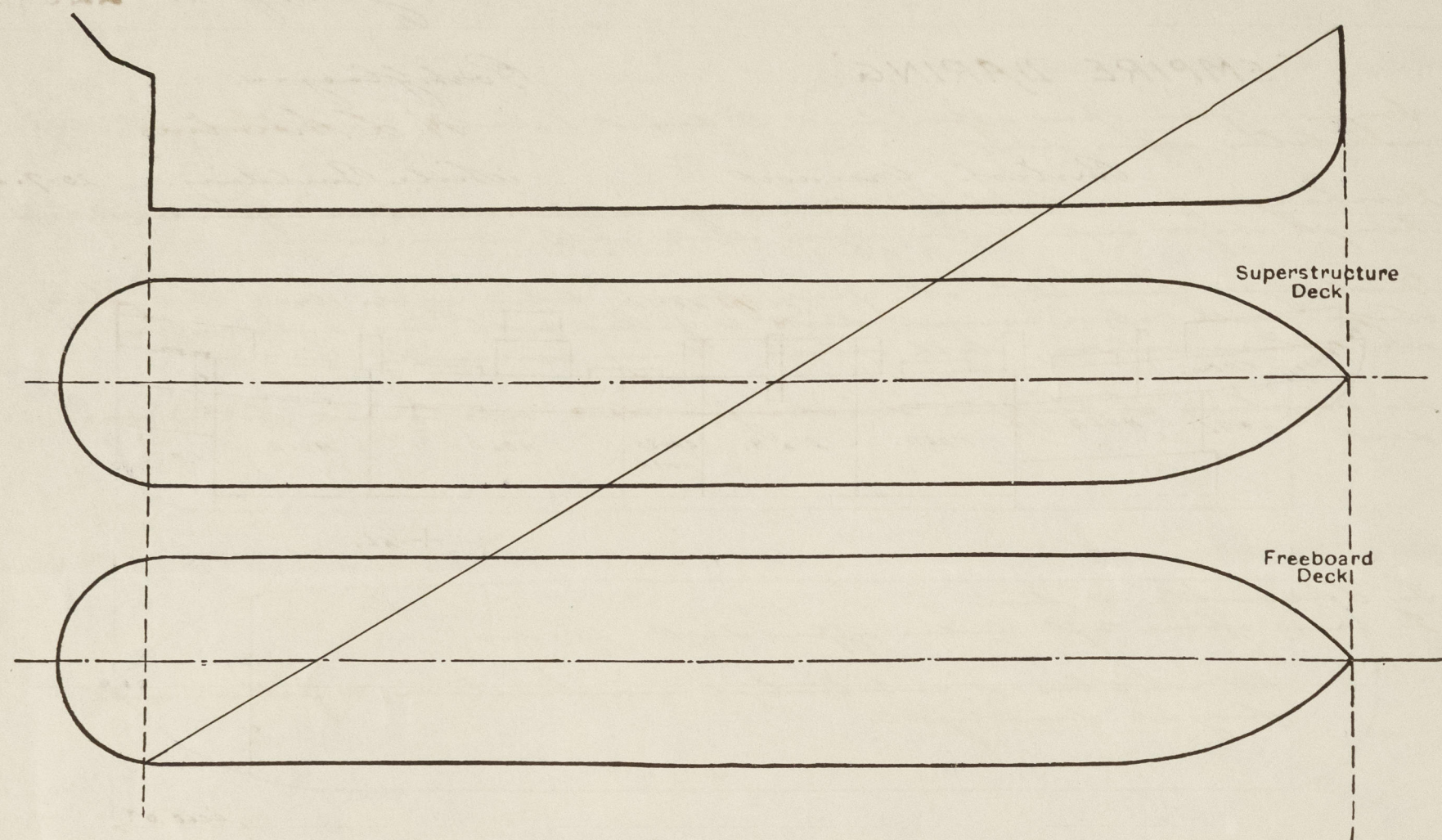


Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	✓							
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	✓							
Bridge, Forward Bulkhead ...	✓							
Forecastle Bulkhead ...	36 x 30	30	ANG. 5 x 3 x 31	30"	NONE.	4'-10" x 24" 5'-0" x 27" 5'-0" x 49"	20" 19" 18"	7'-6"
Trunk, Aft ...	✓							
Trunk, Forward ...	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Deck ...	36 x 34	30	3 1/2 x 3 x 40	31"	ANTS. AT TOP.	5'-0" x 24"	23"	7'-9"
Exposed Machinery Casings on Superstructure Decks ...	✓							
Machinery Casings within Superstructures not fitted with Class I Closing Appliances DECK HOUSE ...	36 x 30	26	3 x 3 x 30	24 1/2" / 30"	ANTS. AT TOP.	5'-0" x 27"	17"	7'-9"
Deckhouses on Flush Deck Ships ...	✓							

Particulars of Closing Appliances (state if capable of being manipulated from both sides).								
Poop Bulkhead ...	✓							
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	✓							
Bridge, Forward Bulkhead ...	3 openings closed with hinged steel or wood doors manip. both sides. 1 opening closed with portable steel plate with hook bolts. 2 openings closed with hinged steel doors, manip. both sides.							
Forecastle Bulkhead ...								
Exposed Machinery Casings on Freeboard or Raised Quarter Deck ...								
Exposed Machinery Casings on Superstructure Decks ...	✓							
Machinery Casings within Superstructures not fitted with Class I Closing Appliances DECK HOUSE ...	2 openings closed with hinged steel doors, manip. both sides.							
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:—

Fiddle, funnel, & ventilator coamings efficient. Fiddle gratings fitted with strong steel hinged covers permanently attached. Engine room skylight of steel strongly constructed, hinged steel flaps operated by quadrant.

Particulars of Flush Bunker Scuttles:—

None.

Particulars of Companionways:—

Entrance to crew space from strong steel deckhouse on upper deck. Opening (2) 4'6" x 24" closed with hinged wood doors manipulated both sides. Sill 22" high. Companion to decker personnel of steel on upper deck. Opening 4'11" x 24" closed with hinged wood door manip. both sides, sill 22" high. Entrance to cabin stairs from midships deckhouse on upper deck. Opening 5'0" x 32" closed with hinged steel door manipulated both sides. Sill 18" high. Entrance to lower decks & hold from northhouses on upper deck. Openings (2) in forward northhouse 5'0" x 21", (2) in after northhouse 4'0" x 21", closed with hinged steel doors secured by clips manip. both sides. Sills 30" high.

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

1 on fore deck 10" dia. Com. 36" x 32" to fore store.	1 on after deckhouse top 10" dia. Com. 24" x 32" to tunnel tank R.
2 " " 18 " " 36" x 40 " to hold.	2 on after deckhouse top 8" dia. Com. 24" x 28" to crew alleyways.
6 on up. deck 18 " " 36" x 40 " " "	
2 " " 15 " " 34" x 40 " to R. P. room.	
2 " " 6 " " 36" x 30 " to cabin store.	
2 " " 6 " " 36" x 30 " to P. R. Bulwark.	
2 " " 6 " " 36" x 30 " to bunkers.	
2 " " 12 " " 36" x 34 " to T. P. bunker.	
5 " " 10 " " 36" x 32 " to crew. etc.	
5 " " 9 " " 36" x 32 " " "	
11 " " 8 " " 36" x 30 " " "	
2 " " 18 " " 36" x 32 " to crew bunker.	
2 on hold deck 18 " " 30" x 40 " to hold.	
4 on Northhouse top 26" " 30" x 40 " " "	

Vent. Coamings constructed in accordance with the Rules. Wood flaps & canvas covers provided.

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

2 on fore deck 3" dia. 18" high to fore peak tank.	
1 " " 4 " 18 " to W. D. B. tank.	
2 " upper 5 " 30 " to W. D. B. tank.	
2 " " 4 1/2 " 30 " " "	
10 " " 4 " 30 " to D. B. tanks.	
6 " " 3 " 30 " " "	
6 " " 2 1/2 " 30 " " "	
2 " " 3 " 30 " to aft peak tank.	
2 " " 2 " 30 " to D. B. cofferdam.	

Openings of Air pipes provided with Canvas Covers.

"EMPIRE DARING"

Particulars of Gangway Cargo and Coaling Ports:—

None.

Particulars of Scuppers and Sanitary Discharge Pipes:—

Scuppers from open upper deck 3" dia. 14.2. bend led through ship's side below upper deck.

Discharges from baths, W.C. etc. from spaces above upper deck led through ship's side below upper deck with storm valves.

Discharges from W.C. etc. from spaces below upper deck led thru ship's side above second deck & fitted with two automatic non-return valves, both valves being accessible.

No sanitary or scupper discharges led overboard below second deck.

Particulars of Side Scuttles:—

In Succella 9" dia.

In crew space aft under upper deck 10" dia.

All scuttles of substantial construction & fitted with hinged double flaps.

Particulars of skylight:— On upper deck aft to crew accommodation, 2'5" x 2'6" x 24/30 of steel, strongly constructed, hinged steel flaps operated by quadrant. Canvas cover provided.

Vertical distance of Sill of lowest Side Scuttle above top of keel 35'11".

Particulars of Guard Rails:—

On fore deck 3'3" high 2 rails, stanchions spaced about 4'6" apart. On upper deck amidships steel bulwark 3'6" high strongly constructed & efficiently supported. Elsewhere on upper deck stanchions of fore, rails 3'6" high, 2 rails & chains, stanchions spaced about 4'10" apart.


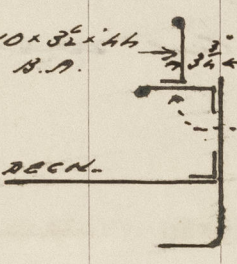
Particulars of Gangways, Lifelines, etc.:—

Sittings for lifelines provided all fore & aft on each side of vessel. Lifeline of 1 1/2" G. F. S. W. provided on one side only.

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.							
ON UPPER DECK							
Description of Hatchway	N: 1.	N: 2.	N: 3.	CROSS RUNNER.	N: 4.	N: 5.	
Dimensions of Hatchway	31'6" x 20'0"	31'0" x 20'0"	12'11" x 20'0"	10'4" x 20'0"	31'0" x 20'0"	31'0" x 20'0"	Hatch on up. dk. under side to fore peak stern.
COAMINGS	Height above Deck ... 30"	30"	30"	30"	30"	30"	4'0" x 2'0". Can. 9 x 3 x 40 B.A.
	Thickness ... 50	50	50	50	50	50	Rust 3". Curves 2 1/2".
	Stiffeners ... 44	44	44	44	44	44	Cleats 17/20. Sarp. 1.
	Brackets Stays 2 1/2 DIA. 3.	3.	1.	1.	3.	3.	Hatch on up. dk. under side to chain locker.
HATCH BEAMS	Number ... 5	5	2	1	5	5	2'0" x 2'6". Can. 9 x 3 x 40 B.A.
	Spacing ... 5'3"	5'2"	4'6"	6'5"	5'2"	5'2"	Rust 3". Curves 2 1/2".
	Scantling and Sketch ... 18 1/2 x 36	17 1/2 x 35	14 1/2 x 34	17 1/2 x 35	17 1/2 x 35	17 1/2 x 35	Cleats 15. Sarp. 1.
							
	Bearing Surface ... 3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	3 3/4"	Hatches on up. dk. to lower deck bulkheads.
FORE AND AFTERS	Number ... 10 x 3 1/2 x 44						2 c 15'6" x 5'0". Can. 50 x 44
	Spacing ... B.A.						Having stiff on sides 7 x 3 x 40 B.A.
	Unsupported Lengths ... 12 x 3 1/2 x 50 B.A.						Rust 3". Curves 2 1/2".
	Scantling and Sketch ... 						Cleats 24. Sarp. 2.
	Bearing Surface ...						Hatch on up. dk. aft to Magazine.
HATCH COVERS	Material ... W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	1'10" x 2'1". Can. 8 x 50 with
	Thickness ... 2 1/2"	2 1/2"	2 1/2"	3"	2 1/2"	2 1/2"	25 W.T. cover secured by
	How fitted ... F.O.A.	F.O.A.	F.O.A.	F.O.A.	F.O.A.	F.O.A.	bolts. Rubber gasketing.
	Bearing Surface ... 3"	3"	3"	3"	3"	3"	Cooling hatch on lower top
Spacing of Cleats	24"	24"	24"	24"	24"	24"	5'2" x 18'0". Can. 15 x 40.
Number of Tarpaulins	2	2	2	2	2	2	Rust 3". Curves 2 1/2".
N: OF RING PLATES EACH SIDE	4	4	3	2	4	4	Cleats 24. Sarp. 2.
<p>*Are wood fore and afters steel shod at all bearing surfaces? <input checked="" type="checkbox"/></p> <p>Are battens and wedges efficient and in good condition? YES.</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? YES.</p> <p>Are lashings provided in accordance with rule requirements? YES.</p>							

Particulars of any special features:— the scantlings are suitable for a draught 18" in excess of that corresponding to the freeboard which could be assigned to the vessel with a tonnage opening.

Hatch beams in cargo hatchways of simple sliding type.

Hatch end coamings fitted with 7 x 3 x 40 B.A. stiffener with stay in centre.

Open end steel bands fitted to hatch covers on upper deck hatchways.

Each range of hatch covers on up. dk. centrally secured by locking bar.

Openings in tween dk. bulkheads 40, 66 & 133. closed with riveted plate.

Openings in tween dk. bulkheads 85 & 95 fitted with hinged steel watertight doors manipulated from both sides.

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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