

Lloyd's Register of Shipping.

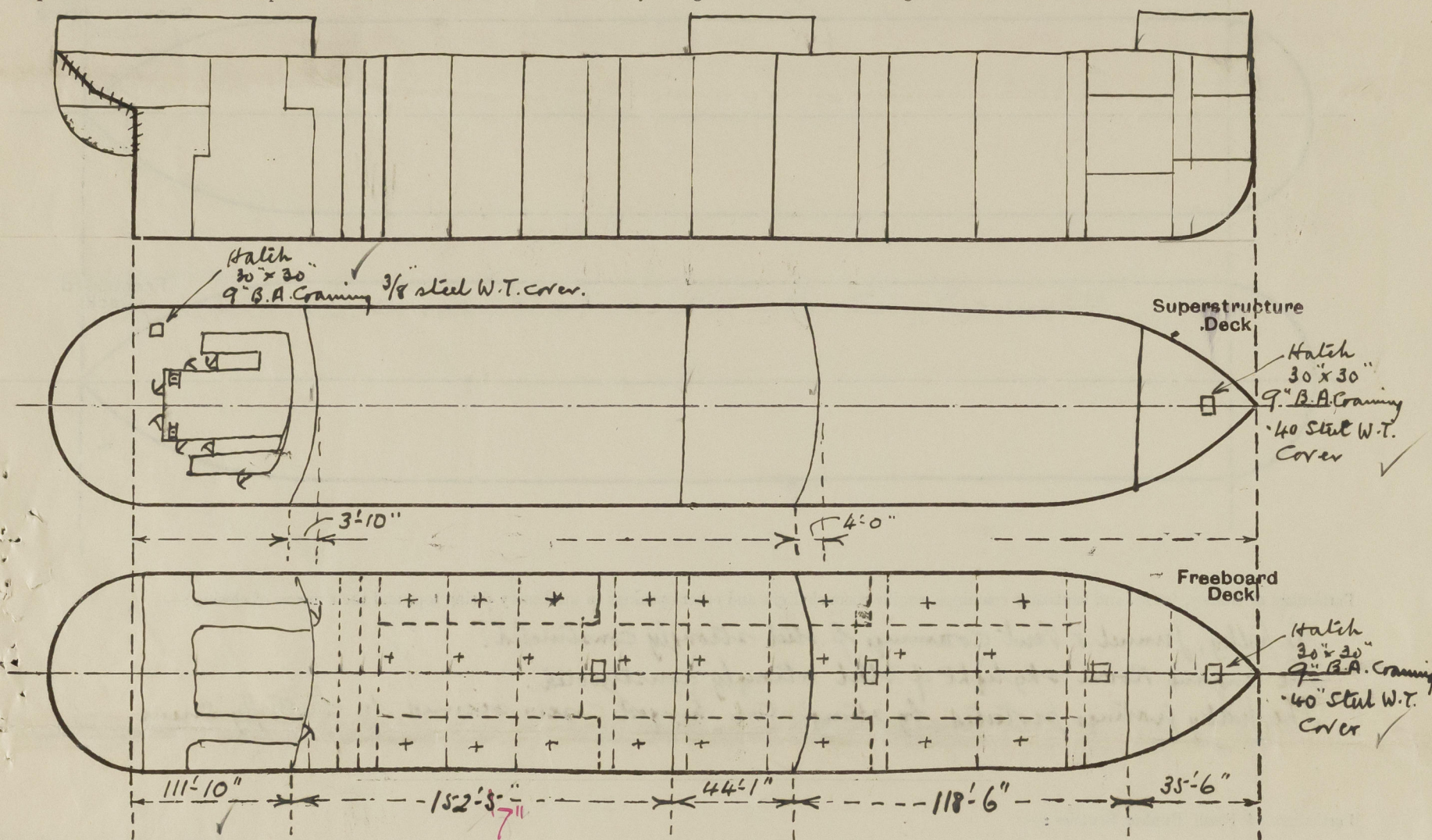
SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

25 JUL 1941

Ship's Name **"EMPIRE FLINT"** Port of Survey **Newcastle-on-Tyne (Walker).**
 Official Number **165814** Surveyor's Signature **E.H. Dean.**
 Nationality and Port of Registry **British, London** 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.

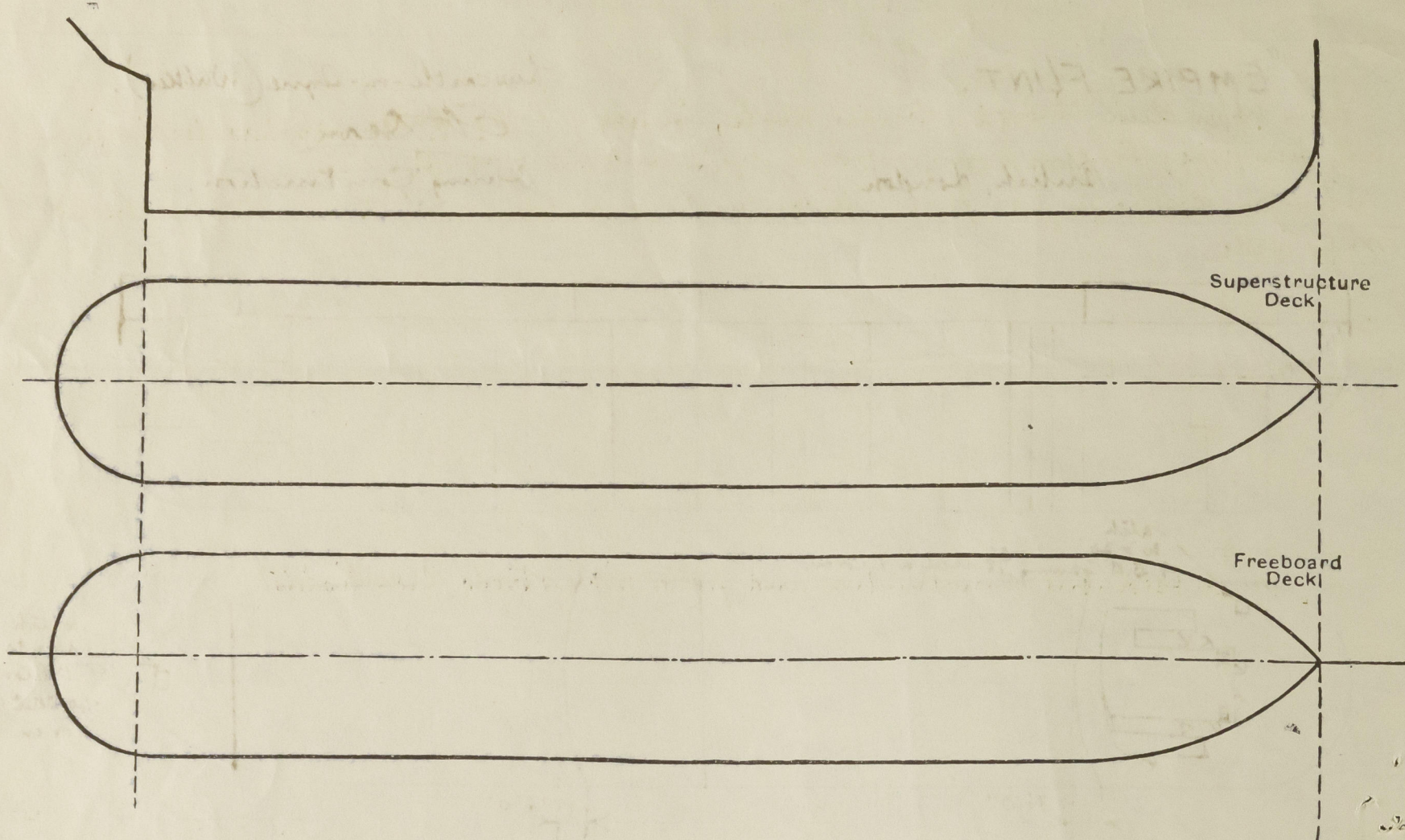
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	-	.44	10x3 1/2 x 7/16	30"	Lugged	2 hinged W.T. doors 5' x 2'6"	18"	7'-6"
Raised Quarter Deck Bulkhead ...	-							
Bridge, After Bulkhead ...	-	.30	4x3 x 5/16	32"		1 W.T. door 4' x 2'3" 2 openings 5'4" x 2'3"	18"	7'-6"
Bridge, Forward Bulkhead ...	-	.44	10x3 1/2 x 7/16 B.A.	30"	Lugged	1 hinged W.T. door 5'1" x 2'6"	18"	7'-6"
Forecastle Bulkhead ...	-	.30	4x3 x 5/16	30"	Lugged	1 hinged W.T. door 4'3" x 2'6" 1 opening 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 ...	-	.34-.30	4x3 x 5/16-.40	31"	Bkld. alternately	Hinged doors 4'3" x 2'6"	18"	7'-6"
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 ...	2 steel hinged W.T. doors, operated both sides.
Raised Quarter Deck Bulkhead ...	-
Bridge, After Bulkhead ...	1 steel hinged W.T. door, operated both sides - 2 openings closed by portable steel plates with hook bolts
Bridge, Forward Bulkhead ...	1 steel hinged W.T. door, operated both sides.
Forecastle Bulkhead ...	1 steel hinged W.T. door, operated both sides - 1 opening closed by portable steel plates with hook bolts
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	-
Exposed Machinery Casings on Superstructure Decks ...	Steel hinged doors operated both sides.
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:-

The fiddle, funnel & vent coamings of steel strongly constructed.
The Engine Room skylight of steel strongly constructed.
The fiddle gratings protected by strong steel hinged covers secured by butterfly screws.

Particulars of Flush Bunker Scuttles:-

none

Particulars of Companionways:-

Strongly constructed steel entrance to pump rooms on upper deck, having steel doors 4'-6" x 2'-3" with 18" side closed watertight and capable of being operated from both sides.
In after house on poop deck - 2 entrance doors to foreboard deck - Substantial steel doors 8'-0" x 2'-0" side 18" operated from both sides.

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

Fore Deck.

2-8 dia. Coaming 36" x 30" and
2-10 " " 36" x 32" screw down mushroom top.

Upper Deck. Fore Well.

3-10 dia. Coaming 36" x 32"
2 high demick post vents 24 dia. suitably supported.

Bridge Deck.

7-6 dia. Coaming 30" x 30".

Upper Deck. Aft Well.

2 high demick post vents 24 dia. suitably supported.

Poop Deck.

2-15 dia. Coaming 24" x 36"
2-10 " " 36" x 32" mushroom top.
4-6 " " 30" x 30".

a number of strongly constructed scuppernicks 6" x 4" - 32" high to opening.

all vent coamings closed
Wood plugs - canvas covers.

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

on fore head to fore peak tank 2-4 dia. 18" high.

" upper deck " " 2-4 " 18" " " " " 2-4 " 36" " " " " 2-4 " 36" " " " " 2-4 " 18" " " " " 2-4 " 18" " " " " 4-4 " 18" " " " " 4-4 " 18" " " " " 1-2 1/2 " 18" " " " " 2-3 1/2 " 18" " " " " 4-2 1/2 " 18" " " " " 1-3 " 18" "

Air pipes where not fitted with
ganges - closed by wood plugs and
Canvas covers.

Particulars of Gangway Cargo and Coaling Ports:-

none.

Particulars of Scuppers and Sanitary Discharge Pipes:-

From upper deck through stinger angle, in way of Poop & Bridge. Scuppers discharge outboard with open pipe; Scuppers from poop deck drain outboard above upper deck.
Sanitary discharges from poop & bridge discharge outboard with Brass storm valves at ship's side.
Scuppers from poop and bridge chases are fitted with automatic non-return valves.

Particulars of Side Scuttles:-

of Substantial Construction and fitted with strong deadlights

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

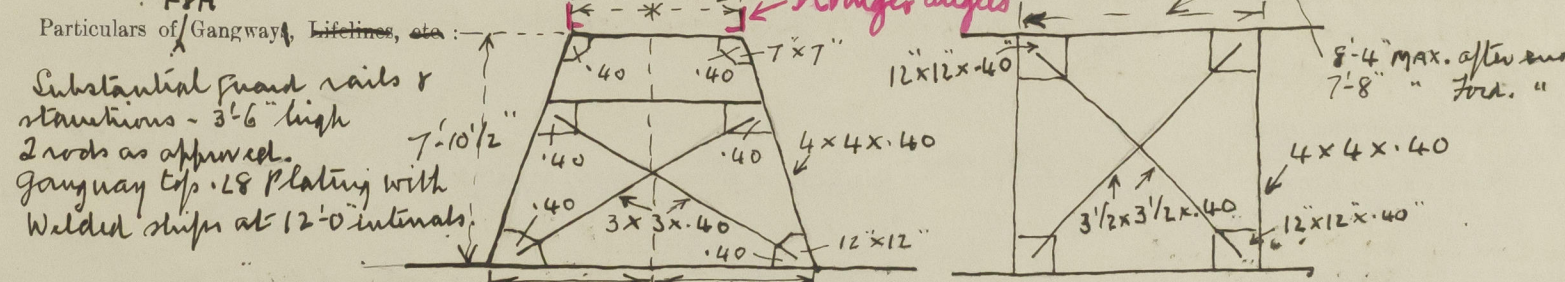
none below freeboard deck.

Particulars of Guard Rails:-

at Poop, bridge & fore-castle decks - 3'-6" high, 3 rails stanchions spaced about 4'-9" apart.
at Foreboard deck - open rails ditto.

Bulkheads 3'-6" high x 30" thick, 7" B.A. rail bar - 6" butt plate stays.
about 6'-0" apart, specially stayed adjacent to erection ends.

Particulars of Gangway, Lifelines, etc:-



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	15'-9" x 7"	3'-6"	12'-0" x 9"	# 2	open rails for 1/2 length of exposed portion of weather deck.	open rails for 1/2 length of exposed portion of weather deck.
Forward Well	11'-8" x 6"	3'-6"	12'-0" x 9"	# 2	3 1/2" Range	
State position of each freeing port						
(F. and A. position and height 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.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway		8 Centre Cargo Tanks	16 side Cargo Tanks	20 fore hold	20 F & A. Efficiency	20 D.F. Bunker			
Dimensions of Hatchway		4'-3" x 3'-6"	4'-3" x 3'-6"	8'-0" x 8'-6"	27' x 18"	27' x 18"			
COAMINGS	Height above Deck	30"	30"	30"	12"	12"			
	Thickness	.40	.40	.40	Channel	Channel			
	Stiffeners	-	-	-	Coaming	Coaming			
	Brackets, Stays	-	-	-					
HATCH BEAMS	Number								
	Spacing								
FORE AND AFTERS	Scantling and Sketch								
	Bearing Surface								
	Number								
	Spacing								
HATCH COVERS	Unsupported Lengths								
	Scantling* and Sketch								
	Bearing Surface								
	Material	.60	.60	.36	.36	.50			
Spacing of Cleats	Thickness	Steel	Steel	Steel	Steel	Steel			
	How fitted	hinged	hinged	hinged	Steel	Steel			
	Bearing Surface	O.T.	O.T.	O.T.	Cover	Cover			
	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:—

Extreme displacement at 28'-0" draught 17111 tons. Tons per inch 56.77.
" 27'-0" " 16428 " " " 56.15.

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