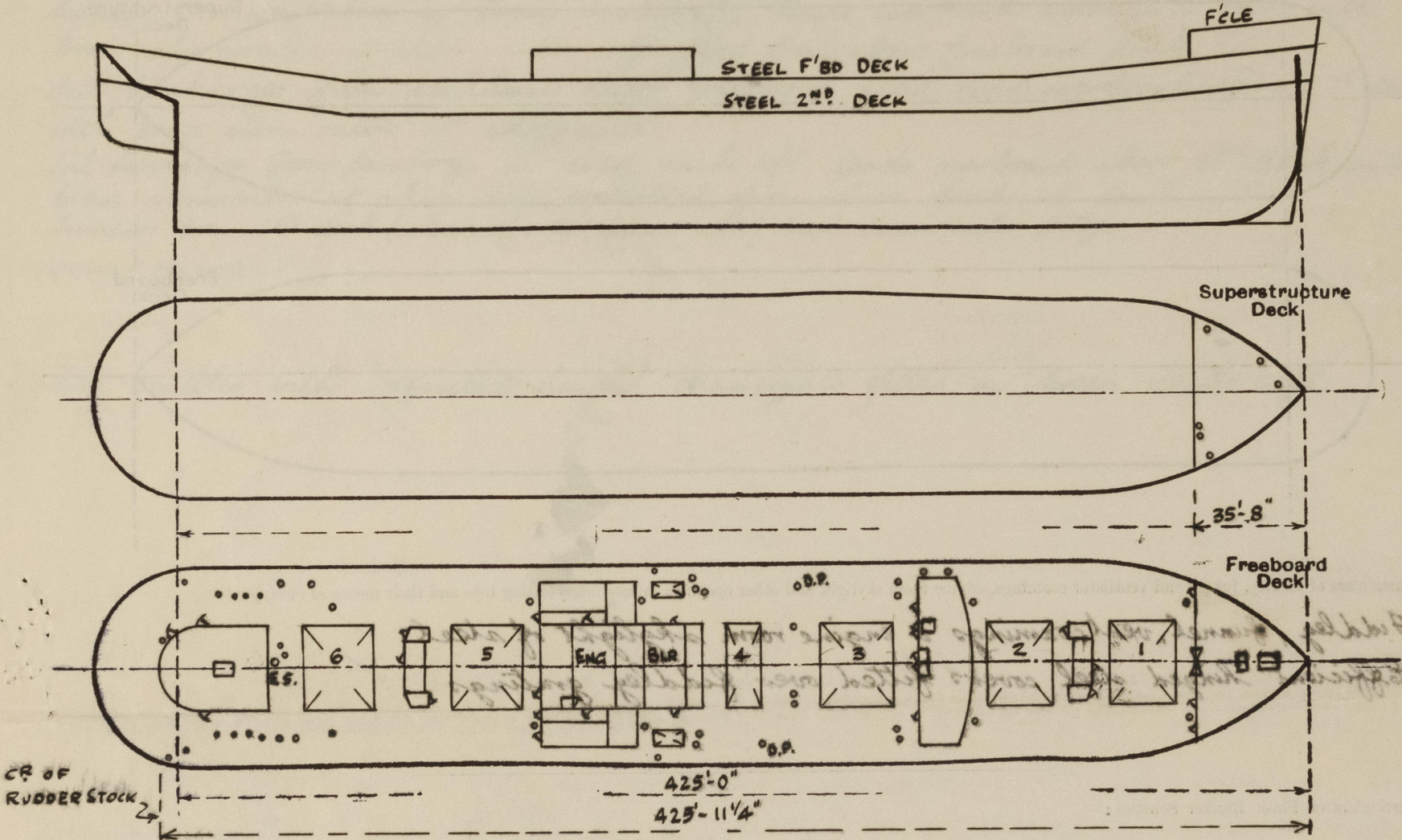


Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

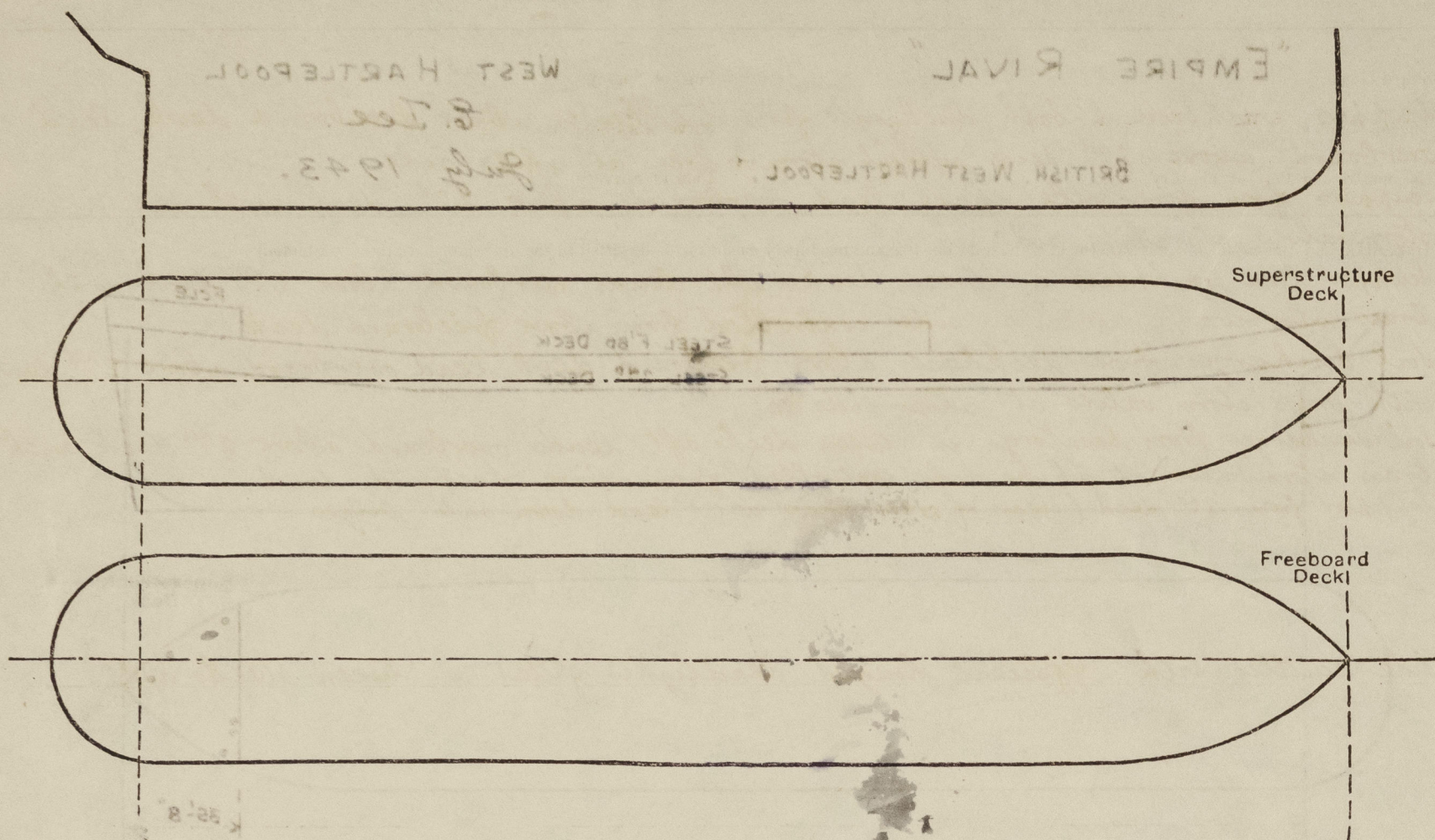
Ship's Name "EMPIRE RIVAL" Port of Survey WEST HARTLEPOOL
Official Number not recd. 168961 Surveyor's Signature E. Lee.
Nationality and Port of Registry BRITISH, WEST HARTLEPOOL. Date of Survey July 1943.

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	30	30	4 x 3 x 5/16	30	NONE	1 AT 5'-1" x 4'-1" 3 AT 5'-1" x 2'-3"	12"	6'-9"	
Trunk, Aft									
Trunk, Forward									
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	35	30	3 x 3 x .30 & 3 1/2 x 3 x .40	31	BKTS AT TOP	2 AT 4'-7" x 2'-3"	23"	7'-9"	
Exposed Machinery Casings on Superstructure Decks									
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	25	25	3 x 3 x .35	30 TO 45	BKTS T2 B	1 AT 4'-6" x 4'-0"	21"		
Deckhouses on Flush Deck Ships ...	34	30	5 x 3 x .35	24 TO 47	BKTS OR LUGS	4 AT 4'-6" x 1'-11"	24"	7'-6"	
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									
Forecastle Bulkhead	Hook bolted plate & hinged steel doors operated from both sides.								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	Hinged steel doors operated from both sides.								
Exposed Machinery Casings on Superstructure Decks									
Machinery Casings within Superstructures not fitted with Class I Closing Appliances									
Deckhouses on Flush Deck Ships ...	Efficient hinged wood & steel doors operated from both sides.								

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:—



Fuddley, funnel, vent coamings & engine room skylight of steel.
Efficient hinged steel covers fitted over fuddley gratings.

None

Particulars of Companionways:				
Companionway leading to crew space incorporated in deckhouse aft. 2'-1 1/2" hgt. solid hinged wood door 3'-0" x 1'-11" operated from both sides. Sills 22".	Companionway in mast-deckhouse leading to table & tween decks. Hinged steel water-tight door 4'-3" x 1'-8" operated from both sides. Sills 24".	Companionway to saloon house to stowaway store in tween deck. Hinged steel door 4'-6" x 4'-0" operated from both sides with 24" sill giving access to hatch with 2 1/2" cover & 2 1/2" coaming. Locking bar fitted.	Companionway in saloon-house to refg. mach. space in tween decks. Hinged steel door 4'-6" x 1'-11" operated from both sides. Sill 24".	Companionway in saloon-house to No 3 tween deck & hold. Hinged steel door 4'-6" x 1'-11" operated from both sides. Sill 24".

Forecastle:-

1-	10"	vent to stove	36" x 32"
2-	8"	" " fockle	36" x 30"
3-	6"	G.N.V.'s " "	18" high

Freeboard:-

2-	18"	vents to No 1 tween deck & hold	7'4" x 40" supported
4-	36"	filled on top of masts/houses	27" x 40"
2-	18"	vents to No 2. tween deck & hold	7'4" x 40" supported
2-	18"	" " refrigr. mach. & stove	36" x 36"
4-	12"	" " " " tween deck	36" x 34"
3-	14 1/2"	" " " " hold	36" x 36"
2-	27"	derrick post vents efficiently constructed	
1-	14 1/2"	vent to cross bunker	36" x 36"
2-	6"	G.N.V.'s to pocket bunker	18" high

<u>Forecastle</u> :-	1- 4" air pipe to F.P. tank	18" high.	2- 5" air pipes to fwd. deck tanks	30" high
	1- 2½" " " " No 1 d.b. tank	18" "	2- 5" " " " E.R. " "	30" "
<u>Freeboard</u> :-	2- 2½" " " " " "	30" "	1- 4" " " " aft peak " "	30" "
	12- 3" " " " " "	30" "	1- 2½" " " " " " " "	30" "
	10- 4" " " " " "	30" "		
	2- 5" " " " No 5 " "	30" "		
			Closing appliances supplied.	

closing appliances supplied.

None

Scuppers, washbasin & bath discharges from deckhouses above freeboard deck, lead overboard above 2nd deck without stormvalves at ships side. ✓
Scuppers from forecastle space lead overboard above 2nd deck with M.C.I. stormvalves at ships side. ✓
Scupper from washplace in 'tween decks aft, leads overboard above 2nd deck with brass stormvalve at ships side controlled from above freeboard deck. ✓
Soil discharges from deckhouses above freeboard deck lead overboard above 2nd deck with brass storm valves at ships side. ✓
Soil discharges from lavatory in 'tween decks aft, leads overboard above 2nd deck, with brass stormvalve at ships side controlled from above freeboard deck. ✓
Scuppers from 2nd deck (clear of crews space aft) lead down into bilges. ✓

side runnels with efficient hinged deadlights fitted in 'tween decks aft.

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

Freeboard deck :- Forward of saloon house - 3 tier rails 3'9" high with stanchions spaced about 5'0" apart.
 about saloon house & engineers deckhouse - Bulwark 3'6" high with 3 freeing ports
 7'0" x 9". 9" above deck edge
 about engineers deckhouse - 3 tier rails 3'9" high with stanchions spaced about 5'0" apart.


lifelines fitted

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			open rails			

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.



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PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.												
Description of Hatchway ...	INSIDE FLE		N°1	N°2	N°3	N°4	N°5	N°6	COAL HATCHES	CASING TOP	ESCAPE FROM CREW SPACE	
	FORE PEAK	CHAIN LK.										
Dimensions of Hatchway ...	4' 3"	2'-0" x 2'-6"	31'-6" x 20'	31' x 20'	31' x 20'	12'-11" x 20'	31' x 20'	31' x 20'	15'-6" x 5'	5'-2" x 20'	2'-0" DIA.	
COAMINGS	Height above Deck ...	9" x 3"	31	31	31	31	31	31	31	9 x 3 1/2 x	6" EFFICIENT	
	Thickness ...	x .40 B.A.	.45	.45	.44	.46	.44	.44	.44	.40 B.A.	ESCAPE	
	Stiffeners ...	ANGLE	7 x 3 x .40	8 x 3 x .44	8 x 3 x .44	7 x 3 x .40	8 x 3 x .44	8 x 3 x .44	7 x 3 1/2 x .40		SCUTTLE	
	Brackets, Stays ...		3	3	3	1	3	3	1			
HATCH BEAMS	Number ...		5	5	5	1	5	5				
	Spacing ...		5'-3"	5'-2"	5'-2"	6'-5 1/2"	5'-2"	5'-2"				
	Scantling and Sketch ...											
	Bearing Surface ...		18 1/2 x .36	16 3/4 x .36	16 3/4 x .36	19 1/2 x .38	16 3/4 x .36	16 3/4 x .36				
FORE AND AFTERS	Number ...											
	Spacing ...											
	Unsupported Lengths ...											
	Scantling and Sketch ...											
	Bearing Surface ...											
HATCH COVERS	Material ...	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD	HINGED	
	Thickness ...	2 1/2	2 1/2	2 1/2	2 1/2	3	2 1/2	2 1/2	2 1/2	2 1/2	STEEL W.T.	
	How fitted ...	F&A	ATH	F&A	F&A	F&A	F&A	F&A	ATH	F&A	ESCAPE	
	Bearing Surface ...	2 1/2	2 1/2	3	3	3	3	3	3	2 1/2	SCUTTLE	
											OPERATED	
Spacing of Cleats ...		24	18	24	24	24	24	24	24	24	FROM BOTH	
Number of Tarpaulins ...		1	1	2	2	2	2	2	2	2	SIDES.	
<p>*Are wood fore and afters steel shod at all bearing surfaces? YES</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 (LOCKING BARS FITTED TO 1, 2, 3, 4, 5 & 6 HATCHES)</p>												

Particulars of any special features:—

Deeper loading endorsement will be required.

The openings in the tween deck bulkheads are closed by riveted steel watertight plates, except those in bulkheads 14 & 87 which are closed by hinged watertight steel doors operated 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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