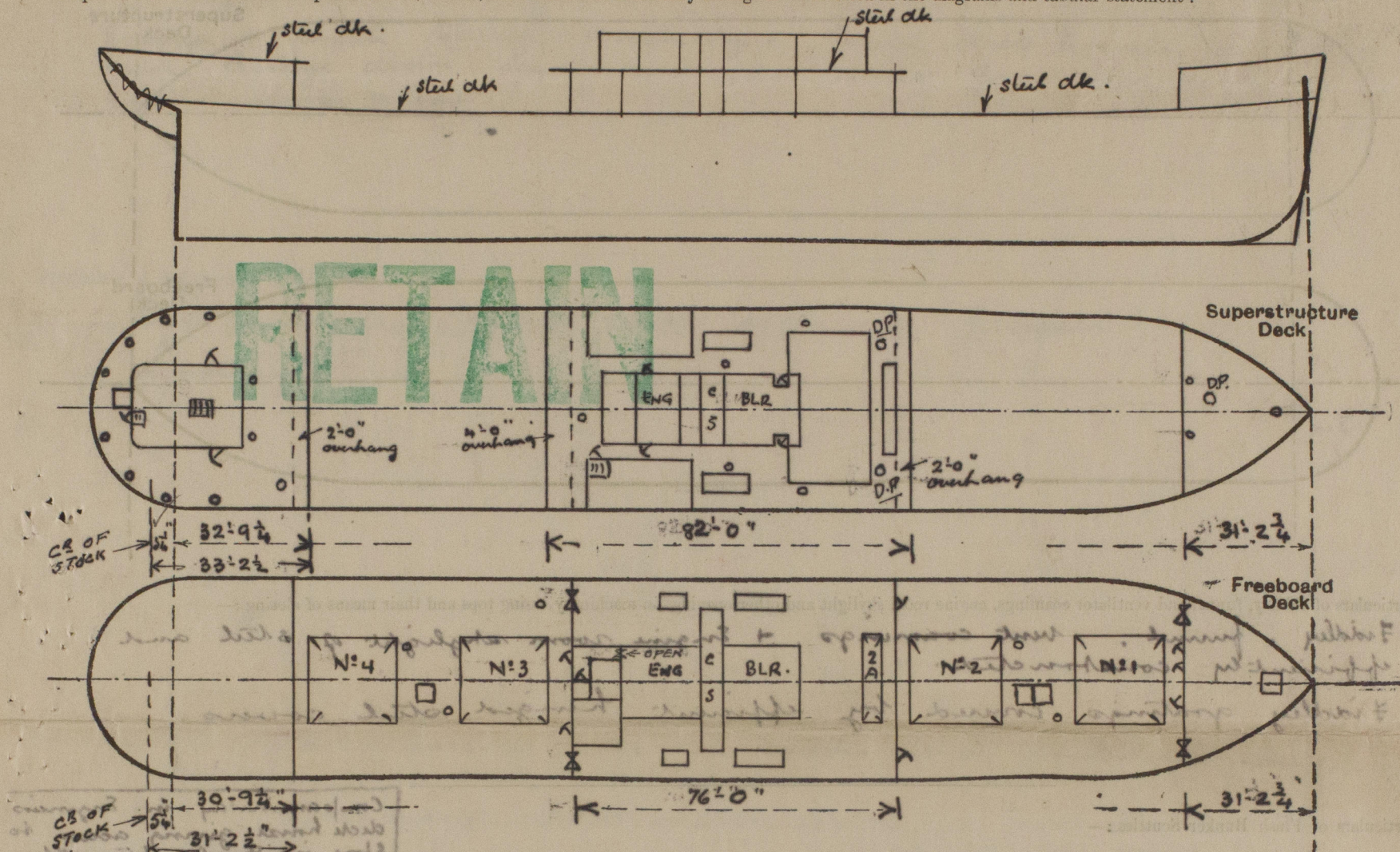


Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD. No. 18183.
(CONDITIONS OF ASSIGNMENT.)

Ship's Name **"EMPIRE WOLFE"** Port of Survey **West Hartlepool**
 Official Number **168930m** Surveyor's Signature **W. J. Craig**
 Nationality and Port of Registry **BRITISH WEST HARTLEPOOL** Date of Survey **August 1941.**

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.

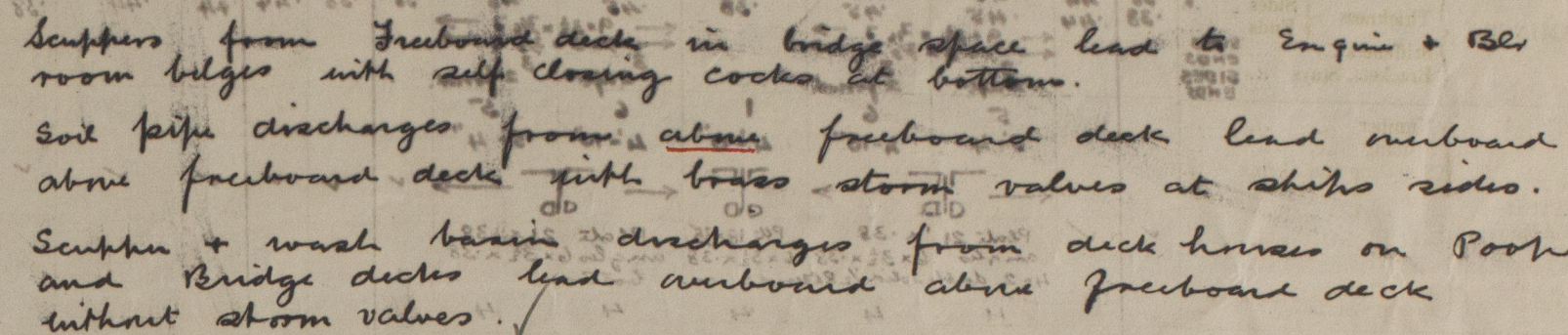
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...		33	5 x 3 1/2 x 3/8	24" - 30"	lugged	none	18"	7'-9"
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...		27	4 x 2 1/2 x 5/16	19 1/2 - 30"	none	2 at 4'-1" x 2'-11"	18"	9'-0"
Bridge, Forward Bulkhead ...		39	8 x 3 1/2 x 3/8	30"	lugged	2 at 4'-9" x 3'-0"	18"	9'-0"
Forecastle Bulkhead ...		27	4 x 2 1/2 x 5/16	30"	none	2 at 5'-1" x 3'-1"	19"	7'-0"
Trunk, Aft ...						3 at 4'-6" x 2'-0"	18"	
Trunk, Forward ...								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks ...	34	30	3 x 2 1/2 x 5/16	24	none	4 at 5'-0" x 2'-0"	18"	7'-9"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	30	25	3 x 2 1/2 x 5/16	24	Riveted to beams at top	2 at 5'-0" x 2'-0"	18"	9'-0"
Deckhouses on Flush Deck Ships ...								

Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	No openings
Raised Quarter Deck Bulkhead ...	
Bridge, After Bulkhead ...	Hook bolted plates & hinged steel doors operated from both sides
Bridge, Forward Bulkhead ...	Hinged steel doors operated from both sides
Forecastle Bulkhead ...	Hook bolted plates & hinged steel doors operated from both sides
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	
Exposed Machinery Casings on Superstructure Decks ...	Hinged steel doors operated from both sides
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	Hinged steel doors operated from both sides
Deckhouses on Flush Deck Ships ...	

Particulars of Gangway Cargo and Coaling Ports:—

Particulars of Scuppers and Sanitary Discharge Pipes :



Particulars of Side Scuttles :—

[illegible]

• Vertical distance of Sill of lowest Side Scuttle above top of keel *all side scuttles above foreboard deck*

Particulars of Guard Rails :—

Forecastle:- Two tier rails 5'-0" high with stanchions about 5'-0" apart.
Upper deck:- Efficient bulwarks with 4" B.A rail bars on top + supported by stays spaced about 6 feet apart.
Bridge deck:- Three tier rails 3'-6" high with stanchions about 5 ft apart.
Post deck:- Two tier rails 3'-2" " " " " " " " "

Particulars of Gangways, Lifelines, etc. :—

Efficient appliances for life lines fitted Port & Starboard in forward & after wells.

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	82'-0"	5'-0"	2 at 12'-0" x 8 1/2" (3) 1 at 14'-0" x 8 1/2" (1)	3	17.0 9.9 } 26.9	16.4 sq ft
Forward Well	90'-0"	5'-0"	12'-0" x 8 1/2" (3)	3	25.5	18.0 sq ft.

State position of each freeing port	{ After Well:—	from bridge end	8'-0"	36'-0"	46'-0"	7½' above deck edge
(F. and A. position and height above deck edge)			{ Forward Well:—	" " front	10'-0"	40'-0"	70'-0"	" "

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— *Not required*

Additional area where sheer is less than standard

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.																	
FREEBOARD DECK																	
Description of Hatchway			Y ₀ F.P. SPACE	ESCAPE HATCH FORD	Nº 1	Nº 2	Nº 2A	Nº 3	Nº 4	2 COAL HATCHES	2 COAL HATCHES	ESCAPE HATCH AFT	2 COAL HATCHES	Nº 2A.	To CRUISER STEERN	POOD TOP.	
Dimensions of Hatchway			4'x3'	5'0"x2'6"	32'x22'	34'x24'	8'x24'	34'x24'	32'x22'	10'x3'	6'x3'	2'4"x2'6"	12'x3'	6'x16'	3'x3'	6'0"x12'6"	
COAMINGS	{	Height above Deck	9"BA	31"	31"	31"	9"BA	31"	31"	9"BA	9"BA	31"	31"	31"	18"	8"BA	
		Thickness	.38	.44	.45	.45	.38	.45	.45	.45	.38	.38	.44	.44	.44	.38	.35
		Stiffeners	SIDES	ENDS	← 9x3 1/2 x 7/16 →	← 9x3 1/2 x 7/16 →	✓	← 9x3 1/2 x 7/16 →	← 9x3 1/2 x 7/16 →	✓	✓	✓	✓	✓	✓	✓	✓
		Brackets, Stays	SIDES	ENDS	3 aft	3 forward	3 aft	3 aft	3 forward	3 aft	3 aft	3 aft	3 aft	3 aft	3 aft	3 aft	3 aft
HATCH BEAMS	{	Number			5	6	1	6	5								
		Spacing			5'-4"	4'-10"	4'-0"	4'-10"	5'-4"								
		Scantling and Sketch			← 21"x.38 angles 6x3 1/2 x.38 4x2 double solid 1/2 Rounds on	← 18x35 angles 6x3 1/2 x.38	← 21"x.38 angles 6x3 1/2 x.38	← 21"x.38 angles 6x3 1/2 x.38									
		Bearing Surface			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FORE AND AFTERS	{	Number															
		Spacing															
		Unsupported Lengths															
		Scantling* and Sketch															
HATCH COVERS	{	Material	Wood	Wood	Wood	Wood	Wood	Wood	Wood	Wood	Wood	Wood	Wood	Wood	Wood	Wood	
		Thickness	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	3"	2 1/2	2 1/2	
		How fitted	F.O.A	F.O.A	F.O.A	F.O.A	F.O.A	F.O.A	F.O.A	F.O.A	F.O.A	F.O.A	F.O.A	F.O.A	F.O.A	F.O.A	F.O.A
		Bearing Surface	2 1/2	2 1/2	3	3	3	3	3	3	2 1/2	2 1/2	2 1/2	2 1/2	3"	2 1/2	2 1/2
Spacing of Cleats			24	21	24	24	24	24	24	24	24	22"	24	24	24	24	
Number of Tarpaulins			1	2	2	2	1	2	2	1	1	2	2	2	2	2	
*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 :—

Timber Freeboard

- (1) Length of Forecastle more than 7% the length of the vessel.
- (2) Poop deck freeboard.
- (3) Machinery casings on freeboard deck protected by Superstructure.
- (4) Centre Division in double bottom tanks watertight for $\frac{1}{2}$ length of vessel amidships.
- (5) Efficient bulwarks fitted 4'-0" high, 7" B.A. rail bar and strong bulwark stays about 6 feet apart.
- (6) Steering gear protected.
- (7) Auxiliary steering gear provided.
- (8) Eye plates for lashings riveted to Sheerstrake the distance from the end bulkheads to the nearest eye plate being not more than 6'-6" and the eye plates are spaced not more than 10 ft apart.
- (9) Sockets for uprights fitted not more than 10'-0" apart.

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.

Location of Well	Depth of Well	Direction of Flow	Number of Wells	Area of each side	Area of each side
Well 1	2'-0"	15'-0" x 8'-0" (3)	3	17'-0" x 17'-0" (3)	17'-0" x 17'-0" (3)
Well 2	2'-0"	15'-0" x 8'-0" (3)	3	17'-0" x 17'-0" (3)	17'-0" x 17'-0" (3)