

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

Index No. 36961
(For London Office only).

No. 18327

2 SEP 1942

Ship's Name "EMPIRE BOSWELL"

Port of Survey West Hartlepool.

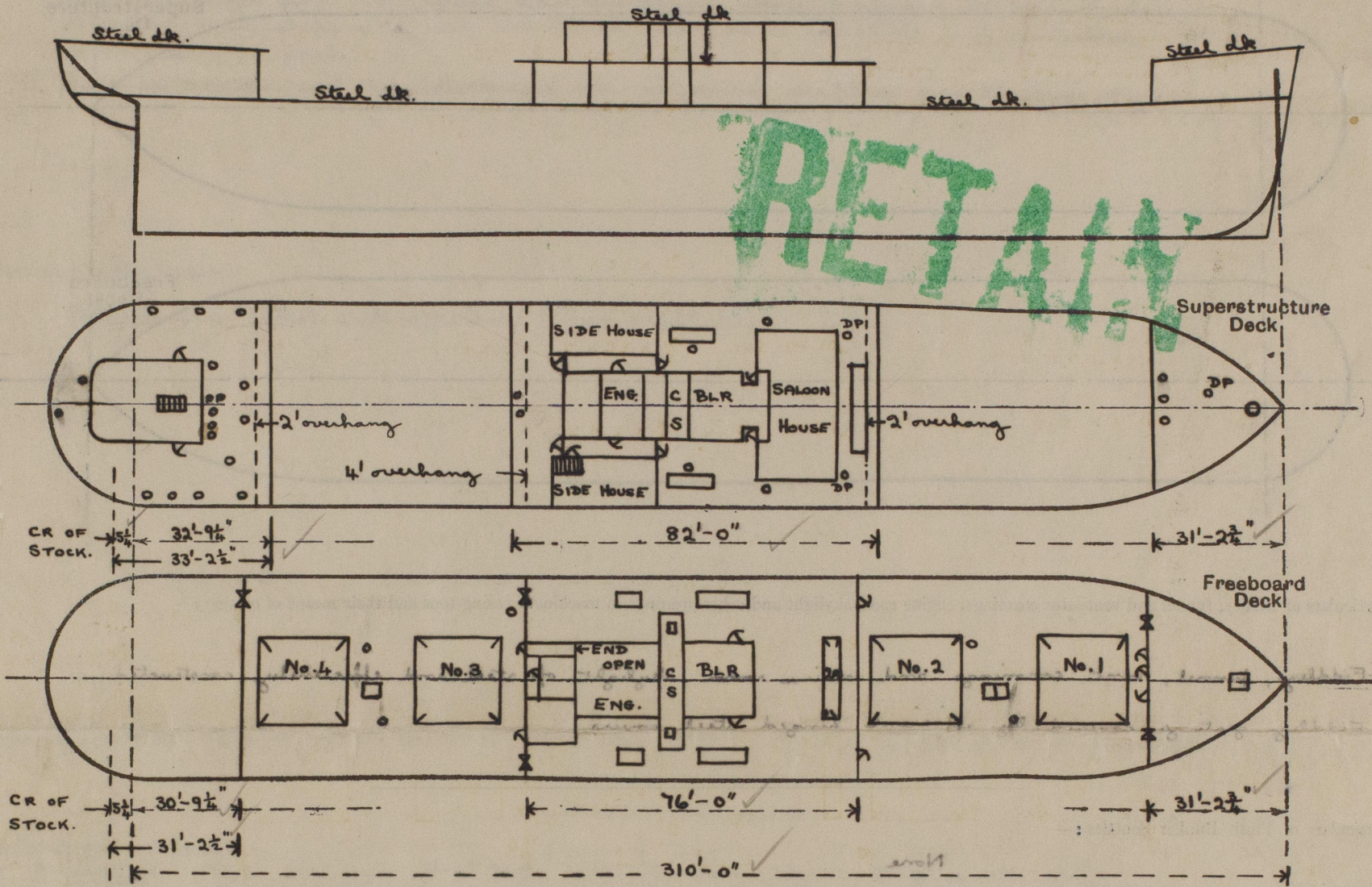
Official Number not 168945

Surveyor's Signature W. Craik

Nationality and Port of Registry BRITISH, WEST HARTLEPOOL

Date of Survey Aug./Sept. 1942

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.

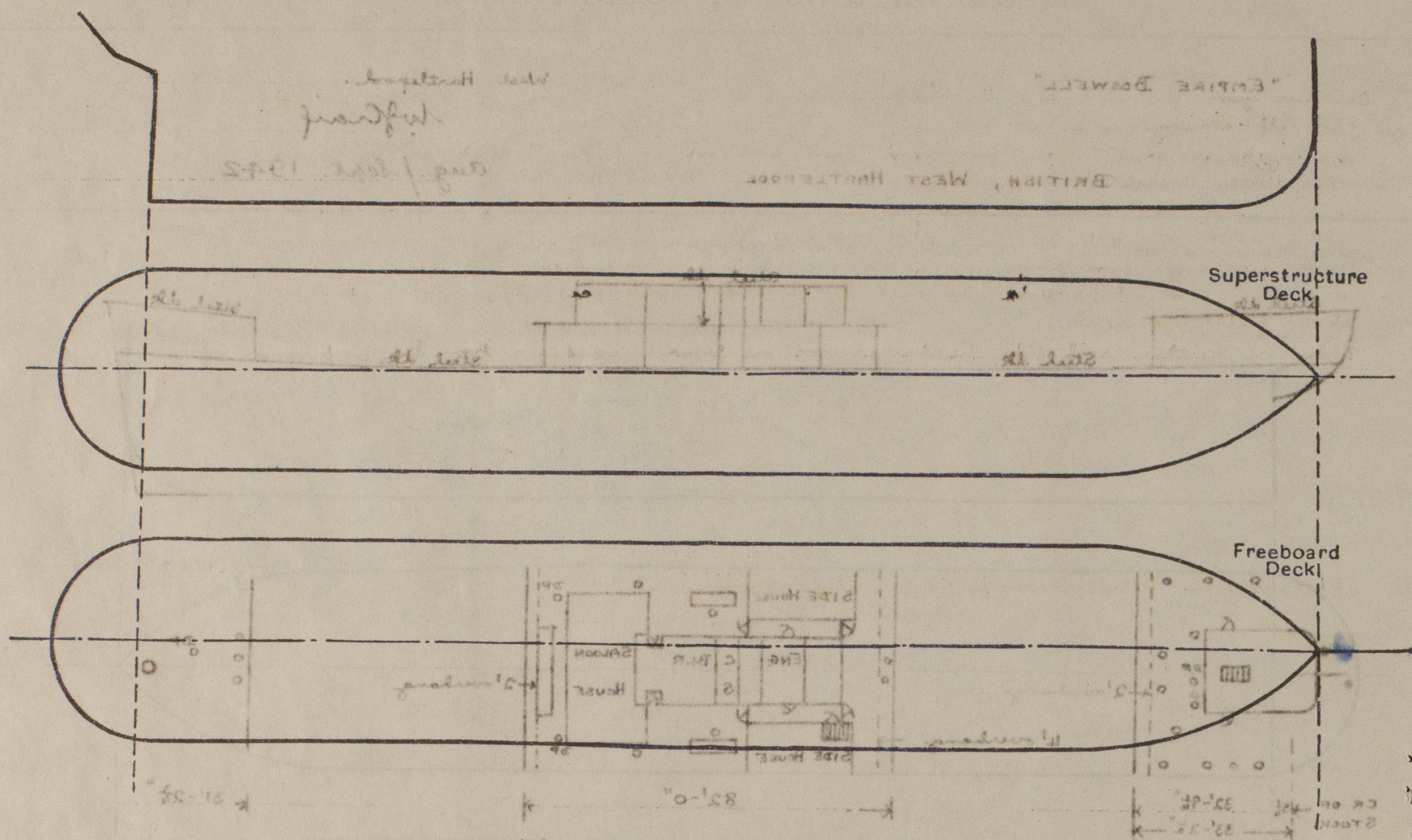
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...		• 33	5 x 3 x 3/8	24" to 33"	lugged	3'-0" x 1'-10"	30"	7'-9"
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...		• 27	4 x 2 1/2 x 5/16	19 1/2" to 30"	none	2 at 4'-1" x 3'-1" 2 at 5'-0" x 2'-6"	18"	9'-0"
Bridge, Forward Bulkhead ...		• 32	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" 3 at 4'-6" x 2'-0"	18"	7'-0"
Trunk, Aft ...								
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	2 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 6'-0" x 3'-0" to saddle back and coal bunkers 2 at 5'-0" x 2'-0"	3'-0"	9'-0"
Deckhouses on Flush Deck Ships ...								

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

Poop Bulkhead ...	Hinged steel escape door operated from both sides.
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	Hook bolted plates and hinged steel doors operated from both sides.
Bridge, Forward Bulkhead ...	Hinged steel doors operated from both sides.
Forecastle Bulkhead ...	Hook bolted plates and hinged steel doors operated from both sides.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Superstructure Decks ...	Two 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 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 :—

Fiddley, funnel, vent ¹⁰¹roamings and engine room skylight of steel and efficiently constructed.
Fiddley gratings covered by efficient hinged steel covers.

Particulars of Flush Bunker Scuttles:—

None

Particulars of Companionways :—

<p>Entrance to poop accommodation incorporated in efficient steel deckhouse.</p> <p>2 openings 5'-0" x 2'-0" with ringed steel doors, operated from both sides.</p> <p>Sills 21".</p>	<p>Entrance to engine room on upper deck at after end of bridge.</p> <p>Hinged steel door operated from both sides 5'-0" x 2'-0".</p> <p>Sills 18".</p>
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Particulars of Ventilators in exposed positions on freeboard and superstructure decks :-

Forecastle :- 1-6" vent to F.P. coaming 36" x 30 3/4
3 -6" goose-neck vents 18" high
1-19" efficient derrick post vent to hold.
Upper dk :- 4-15" vents to hold coaming 36" x 36
1-15" " " " " 11-6" x 36 supported.

Bridge dk.:- 2-6" vents to No. 2 hold coaming 30" x 30 ✓
 2-12" " " tween dk " 30" x 34 ✓ 25' x 6
 1-12" " " tunnel " 30" x 34 ✓ 25' x 6
 2-15" efficient derrick port vents. ✓
 1-12" vent to steering mach. coaming 30" x 34 ✓
Post dk.:- 2-8" vents to chub space coaming 32" x 30 ✓
 1-15" " " No. 3 hold 30" x 36 ✓
 10-6" gooseneck vents. 18" high. ✓
 1-3" " " to cruiser stern space 18" high. ✓
 1-9" vent to steering gear comp. 30" x 32 ✓
 1-15" efficient derrick port vent to tunnel. ✓

closing appliances supplied.

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

<u>Forecastle</u> :-	1 - 3 1/2"	air pipe to F. Peak	18"	rig			
	1 - 4"	" " " No. D.D. tank	18"	hatch	above hatch	ladder	
<u>Upper dk</u> :-	2 - 4"	" " " 2 "	38"	"	✓	air hatch	bottom
	2 - 2 1/2"	" " " 6 "	38"	"			closing
<u>Bridge dk</u> :-	2 - 3"	" " " 3 "	18"	"			
	4 - 2 1/2"	" " " 4 "	18"	"		air hatch	ladder
	2 - 3 1/2"	" " " 5 "	18"	"			rigging
<u>Post</u> dk :-	1 - 4"	" " " A.P. tank	18"	"		air hatch	ladder

closing appliances supplied.

"EMPIRE BOSWELL"

Particulars of Gangway Cargo and Coaling Ports:—

None.

Particulars of Scuppers and Sanitary Discharge Pipes :—

Scuppers from freeboard deck in bridge space lead to engine and boiler room bilges with self-closing cocks at bottoms.

Soil discharges from above freeboard deck lead overboard above freeboard deck with brass stern valves at ship's sides.

Scupper and wash basin discharges from deck houses on bridge and poop decks lead overboard above freeboard deck without stern valves.

Sink discharges from poop space lead overboard above freeboard deck with brass stern valves at ship's side and cock fitted under sink accessible and controlled above freeboard deck.

There are neither soil pipe discharges nor overboard scuppers from the poop space.

Particulars of Side Scuttles:—

Side scuttles fitted with efficient hinged deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel All side scuttles above freeboard deck

Particulars of Guard Rails:

Forecastle:- Two tier rails 3'-0" high with stanchions about 5'-0" apart.
Upper deck:- Efficient bulwarks 7" BA rail bar on top & supported by stays about 6 feet apart.

Bridge dk:- Two tier rails 3'-6" high with stanchions about 5'-0" apart.

Proof dk :- Two " " 3'-2" " " " " 5'-0" "

Particulars of Gangways, Lifelines, etc. :—

Efficient appliances for lifelines fitted port & starboard in forward and 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 \times 12'-0" \times 8 $\frac{1}{2}$ " (2) 1 \times 14'-0" \times 8 $\frac{1}{2}$ " (1)	3	17.0 } 26.9 9.9 }	16.4 ft ²
Forward Well	90'-0"	5'-0"	12'-0" \times 8 $\frac{1}{2}$ " (3)	3	25.5 ✓	18.00 ft ²

State position of each freeing port { After Well :- from bridge end 8'-0", 36'-0", 66'-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.

Description of Hatchway		2 to R.P. Space	Escape Hatch	N° 1	N° 2	N° 2A	N° 3	N° 4	Coaling Hatchways	Escape Hatch	2 Coal Hatchways	N° 2A	Escape Hatch	Coaling Hatch
Dimensions of Hatchway		4' x 3'	5' x 2' 6"	32' x 22'	34' x 24'	8' x 24'	34' x 24'	32' x 22'	10' x 3'	6' x 3'	2' 6" x 2' 6"	12' x 3'	5' 10" x 16' 0"	2' 1' 9" x 1' 12' 6"
COAMINGS		12 x 3 1/2 x 4 5/8 9 x 3 1/2 x 7 1/2		31"	31"	9 x 3 1/2	31"	31"	9" BA	9" BA	31"	31"	18"	8' 3"
Height above Deck		9" BA	31"	31"	31"	9 x 3 1/2	31"	31"	9" BA	9" BA	31"	31"	18"	8' 3"
Thickness		38	44	50	50	38	50	50	38	38	44	44	38	35
Sides		38	44	50	50	38	50	50	38	38	44	44	38	35
Stiffeners		38	44	50	50	38	50	50	38	38	44	44	38	35
Brackets, Stays		38	44	50	50	38	50	50	38	38	44	44	38	35
HATCH BEAMS				5	6	1	6	5						
Number				5	6	1	6	5						
Spacing				5' 4"	4' 10"	4' 0"	4' 10"	5' 4"						
Scantling and Sketch														
Bearing Surface				20 x 37	20 x 38	17 x 35	20 x 38	20 x 37						
FORE AND AFTERS														
Number														
Spacing														
Unsupported Lengths														
Scantling* and Sketch														
Bearing Surface														
HATCH COVERS														
Material		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
How fitted		F+A	F+A	F+A	F+A	F+A	F+A	F+A	F+A	F+A	F+A	F+A	F+A	F+A
Bearing Surface		2 1/2	2 1/2	3	3	3	3	3	2 1/2	2 1/2	2 1/2	2 1/2	3	3
Spacing of Cleats		24	21	24	24	24	24	24	24	24	24	24	24	24
Number of Tarpaulins		1	2	2	2	1	2	2	1	1	2	2	2	2

*Are wood fore and afters steel shod at all bearing surfaces? ☒ Yes

Are battens and wedges efficient and in good condition? ☒ Yes

Are tarpaulins in good condition and in accordance with rule requirements? ☒ Yes

Are lashings provided in accordance with rule requirements? ☒ Yes (locking bars fitted to Nos. 1, 2, 3 and 4 hatchways on fwd deck)

Endorsement for deeper loading will be required.

Particulars of any special features:—

Timber Freeboard.

1. Length of forecastle more than 7% the length of the vessel.
2. Poop deck fitted.
3. Machinery casings on freeboard deck protected by superstructure.
4. Centre division in double bottom tanks watertight for half length of vessel amidships.
5. Efficient bulwarks fitted 5'-0" high, 7" B.A. rail bar and strong bulwark stays about 6 feet apart.
6. Steering gear protected (in poop space).
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 feet apart.
9. Sockets for uprights fitted not more than 10 feet 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.



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