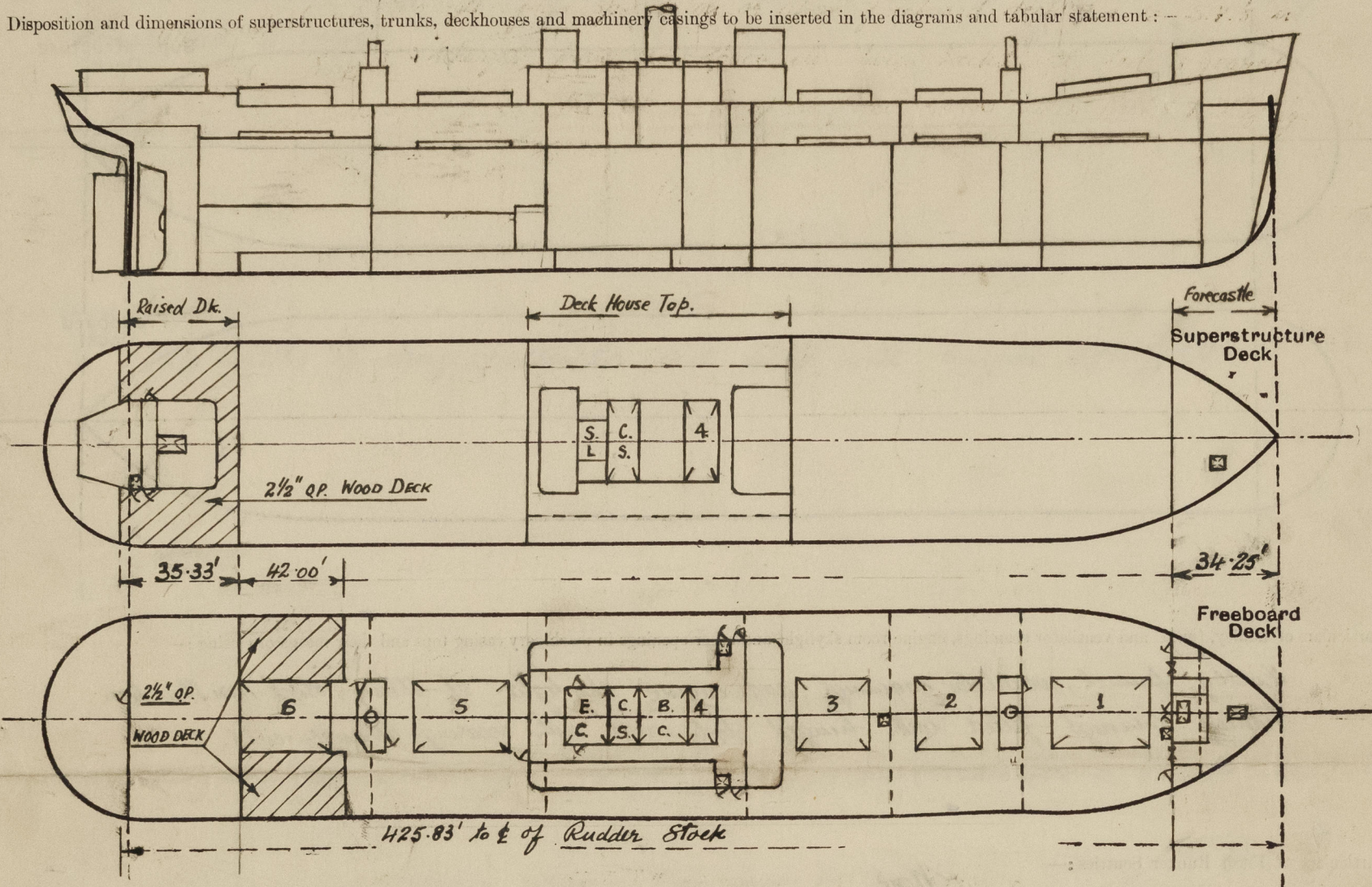


SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

Ship's Name **"EMPIRE RABAU"** Port of Survey **NEWCASTLE-ON-TYNE**
Official Number **✓** Surveyor's Signature **John McCallum**
Nationality and Port of Registry **British** Date of Survey **During construction.**

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



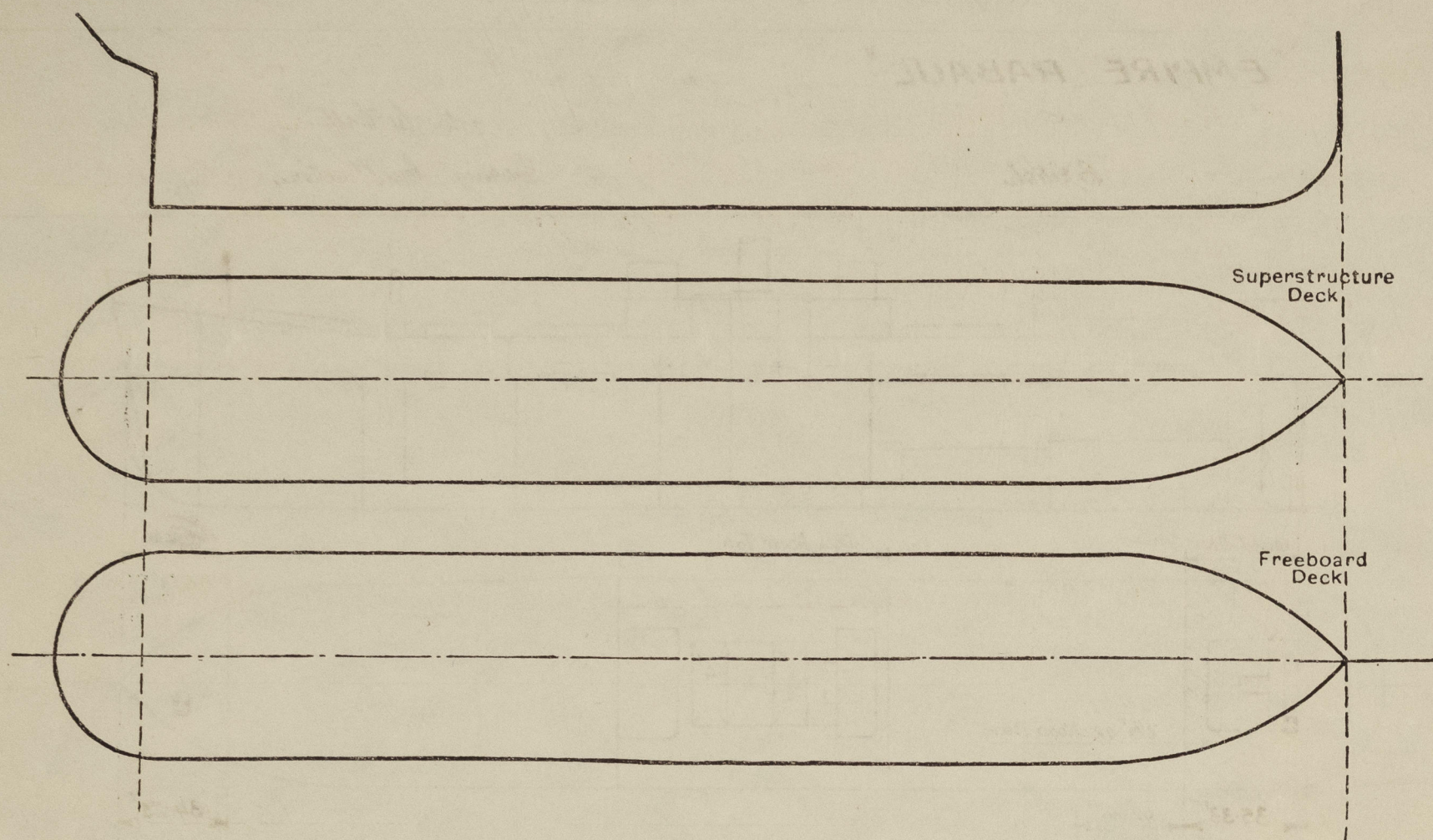
Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	✓							
Raised Quarter Deck Bulkhead ...	✓	.40	3x3x.40 O.A. Toe Welded	2'-6"	✓	✓	✓	3'-0" ✓
Bridge, After Bulkhead	✓							
Bridge, Forward Bulkhead	✓							
Forecastle Bulkhead	✓	.30	3x3x.30 O.A.	2'-0" to 3'-0 1/4"	✓	{ 2 @ 4'-0"x3'-0" T.O. 1 @ 4'-1"x3'-1" H.S.D. 2 @ 5'-0"x2'-0" H.S.D.	{ 18" 18" 15"	{ 6'-9" ✓
Trunk, Aft	✓							
Trunk, Forward	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓							
Exposed Machinery Casings on Superstructure Decks	✓							
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	✓							
Fore End ... ..	.34	.30	5x3x.25 B.A. 2 webs 20x35 flanged	2'-0" to 3'-2 3/4"	Bkts. T & B.	{ 2 S.D. @ 4'-6"x2'-0" Weather Tight 1 S.D. @ 4'-6"x2'-9" 1 S.D. @ 4'-6"x2'-0"	{ 24" - 24"	{ 7'-6" ✓
Aft End ... ..	.34	.30	3x3x.34 O.A.					
Sides ... ..	.30	.25	{ 6x3x 3/8 B.A. 4x3x.30 O.A.	3'-0"	{ Bkts. T & B. Bkts. Top only.	2 S.D. @ 4'-6"x2'-9" Weather Tight	24"	

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

Poop Bulkhead	✓
Raised Quarter Deck Bulkhead ...	No openings. ✓
Bridge, After Bulkhead	✓
Bridge, Forward Bulkhead	✓
Forecastle Bulkhead	2 T.O.'s: steel plate secured by Hook Bolts spaced not less than 12" cr. to cr. ✓ 1 Hinged steel door in halves, & 2 Hinged steel doors operated from both sides.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Superstructure Decks	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	✓
Deckhouses on Flush Deck Ships ...	Hinged Steel Doors operated from both sides. ✓ 2 Hinged Steel W.T. Doors operated from both sides on deckhouse sides, P. and S. ✓

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 hiddley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Hiddley, funnel, ventilator coamings and engine skylight of strong steel construction.
Hiddley openings fitted with hinged steel covers with securing arrangements. ✓

Particulars of Flush Bunker Scuttles:—

None. ✓

Particulars of Companionways:— Access to No 1 Hold thro' W.T. Hatch, coaming 9" for 1st of No 1 Hatchway with H.S.W.T. covers secured by butterfly screws.
Access to No 2 Hold in fwd. masthouse with H.S. W.T. Doors, 3'-6" x 18", coamings 24" ✓
Access to No 3 Hold through W.T. Hatch, coaming 9" between Nos. 3 & 3 Hatchways, with H.S.W.T. covers secured by butterfly screws.
Access to Nos 5 & 6 Holds in aft masthouse with H.S. W.T. Doors, 3'-6" x 18", coamings 24" ✓
Access to No 4 Hold & to Refrig. Space through midship deckhouse (Paund 5) on Upper Deck, thro' patent W.T. Door 3'-6" x 18" secured by turnbuckles & operated both sides. sill 24" ✓
Access to crew aft in steel deckhouse through H.S. Doors 4'-6" x 2'-0", sills 24". Access to Magazine through W.T. Door 3'-6" x 18", sills 30".

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

Vent. coamings on fiste, Raised Quarter Deck & Freeboard Deck forward 1/2 L, 36" high. ✓
Vent. coamings on Freeboard Deck in way of midship deckhouse, 33" high. ✓
Vent. coamings on remainder Freeboard Deck, 30" high. ✓
Vent. coamings on Midship Deck House, 21" high. ✓

Coamings of Bulk Scuttles & constructed to Rule Requirements & closed with wood plugs and canvas covers. ✓

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

All air pipes on Freeboard, Forecastle, and Raised Quarter Decks, 33" in height and closed by canvas covers or with gauze screen at mouth. ✓

Particulars of Gangway Cargo and Coaling Ports:—

None. ✓

Particulars of Scuppers and Sanitary Discharge Pipes:—

All scuppers and discharges from spaces on or above freeboard deck led to S.V. in Tween decks. ✓
Scuppers & discharges from crew space in Tween Decks aft led to geared S.V. in Tween Deck operated from Fbd. Deck. ✓
Scuppers from cargo Tween Decks & Refrig. Rooms led to bilges. ✓

Particulars of Side Scuttles:—

Side Scuttles of strong construction and fitted with hinged deadlights. ✓

Vertical distance of Sill of lowest Side Scuttle above top of keel 35'-4" (Break of Raised Quarter Deck to Forecastle front.)

Particulars of Guard Rails:—

Steel Bulwarks extending from frame 114 to 139. ✓
On forecastle, open rails 3'-3" high, 2 rods in height, stanchions 5'-0" to 5'-6" apart. ✓
On midship deckhouse, open rails 3'-3" high, 2 rods in height, stanchions 5'-0" to 5'-6" apart. ✓
On Raised Quarter Deck, open rails 3'-6" high, 3 rods in height, stanchions 5'-0" to 5'-6" apart. ✓

Particulars of Gangways, Lifelines, etc.:—

Lifelines fitted fwd and aft of midship deckhouse. ✓

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	356'-3"	4'-0" at fr. 14 to 3'-6" at fr. 22.	7 @ 12' x 9"	9	77.2 sq. ft.	71.4 sq. ft. ✓
Forward Well		3'-6" from fr. 22 to amidships				
	(between frs. 14-139)	3'-6" amidships to 5'-6" at fr. 139.	1 @ 5'-6" x 9" bet. frs. 63-65 1 @ 13'-6" x 9" bet. frs. 126-132.			
State position of each freeing port	After Well:—		Between frs. 18-22, 28-32, 38-42, 63-65, 85-89, 94-98, 103-107, 113-118, 126-132. 9" above deck edge.			
(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:—	None fitted.					
Additional area where sheer is less than standard.						

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
		On freeboard deck		On casing Top	On freeboard deck		On casing Top	Freeboard deck within forecabin	On first	
Description of Hatchway	...	N ^o 1	N ^{os} 2 & 3	N ^o 4	N ^o 5	N ^o 6	COAL SMOOT	FCSLE STORE	HATCH TO SPECIAL CARGO	FCSLE HATCH
Dimensions of Hatchway	...	31'-6" x 23'-0"	36'-0" x 23'-0"	9'-0" x 19'-6"	36'-0" x 23'-0"	36'-0" x 23'-0"	9'-0" x 19'-6"	3'-9" x 3'-0"	4'-2 1/4" x 6'-5 1/2"	2'-6" x 2'-6"
COAMINGS	Height above Deck	30"	30"	12"	42"	54"	12"	9"	9"	31"
	Thickness	44	44	45	44	44	45	375	375	44
	Stiffeners	See Sketch	See Sketch	✓	See Sketch	See Sketch	✓	✓	✓	✓
	Brackets, Stays	3	3	✓	3	3	✓	✓	✓	✓
HATCH BEAMS	Number	6	7	1	7	7	1			
	Spacing	4'-6"	4'-6"	4'-6"	4'-6"	4'-6"	4'-6"			
	Scantling and Sketch	See Sketch	See Sketch	See Sketch	See Sketch	See Sketch	See Sketch			
	Bearing Surface	3"	3"	3"	3"	3"	3"			
FORE AND AFTERS	Number									
	Spacing									
	Unsupported Lengths									
	Scantling and Sketch									
HATCH COVERS	Material	O.P.	O.P.	O.P.	O.P.	O.P.	O.P.	O.P.	O.P.	O.P.
	Thickness	2 1/2"	2 1/2"	2 3/8"	2 1/2"	2 1/2"	2 3/8"	2 3/8"	2 3/8"	2 3/8"
	How fitted	F & A.	F & A.	F & A.	F & A.	F & A.	F & A.	One hatch	F & A.	One hatch
	Bearing Surface	3"	3"	3"	3"	3"	3"	3"	3"	2 1/2"
Spacing of Cleats	...	24"	24"	24"	24"	24"	24"	16 1/2"	24"	18"
Number of Tarpaulins	...	2	2	2	2	2	2	1	1	2
<p>*Are wood fore and afters steel shod at all bearing surfaces?</p> <p>Are battens and wedges efficient and in good condition?</p> <p>Are tarpaulins in good condition and in accordance with rule requirements?</p> <p>Are lashings provided in accordance with rule requirements?</p>										

Particulars of any special features:—

This vessel is a "C" type cargo ship built to plans approved for a draught of 26'-9"
Summer extreme draught.

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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