

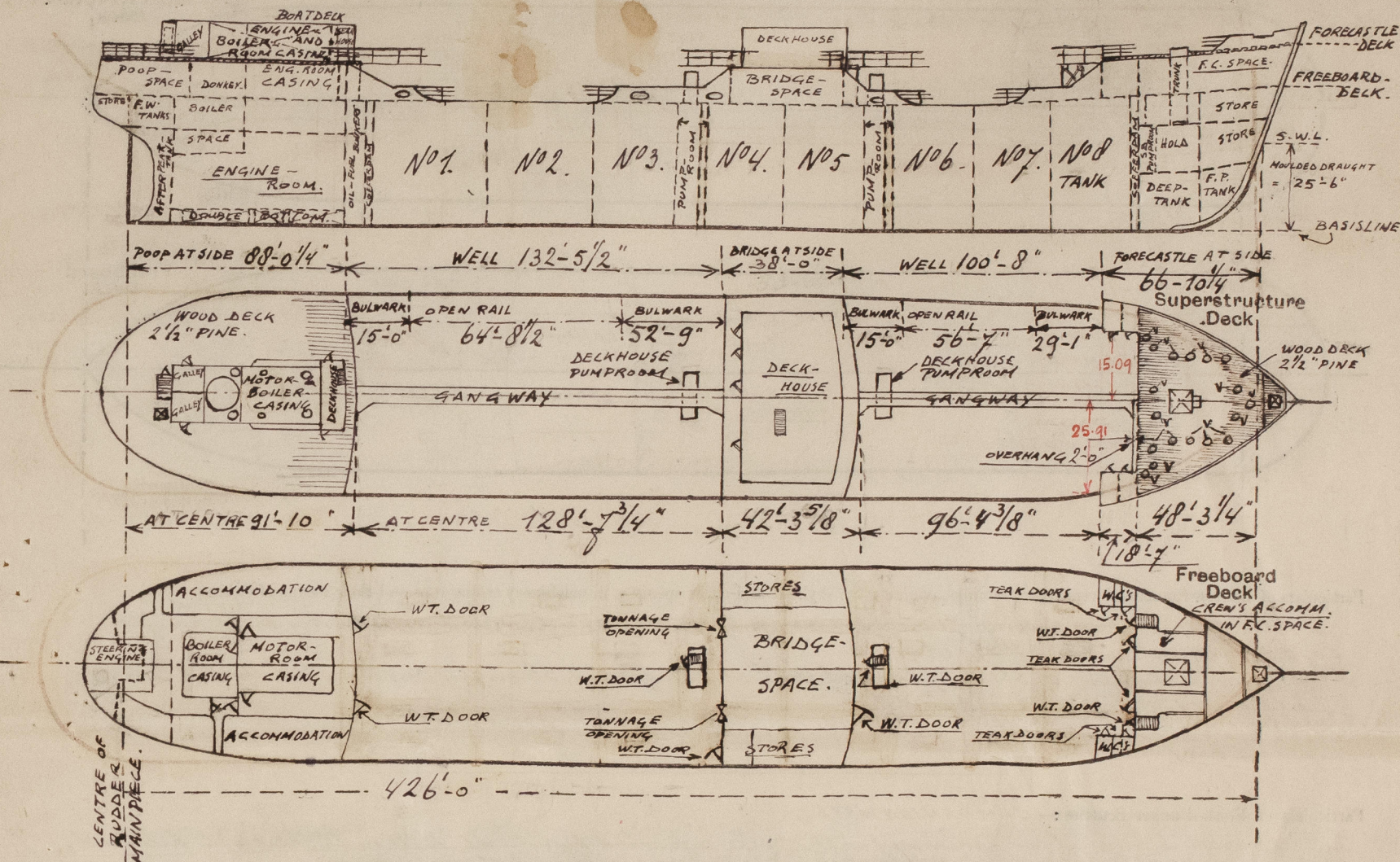
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name *M.V. "OPALIA"*Port of Survey *AMSTERDAM.*Official Number *166453*Surveyor's Signature *C. H. Meenwire.*Nationality and Port of Registry *BRITISH, LONDON*Date of Survey *Whilst building.*

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.

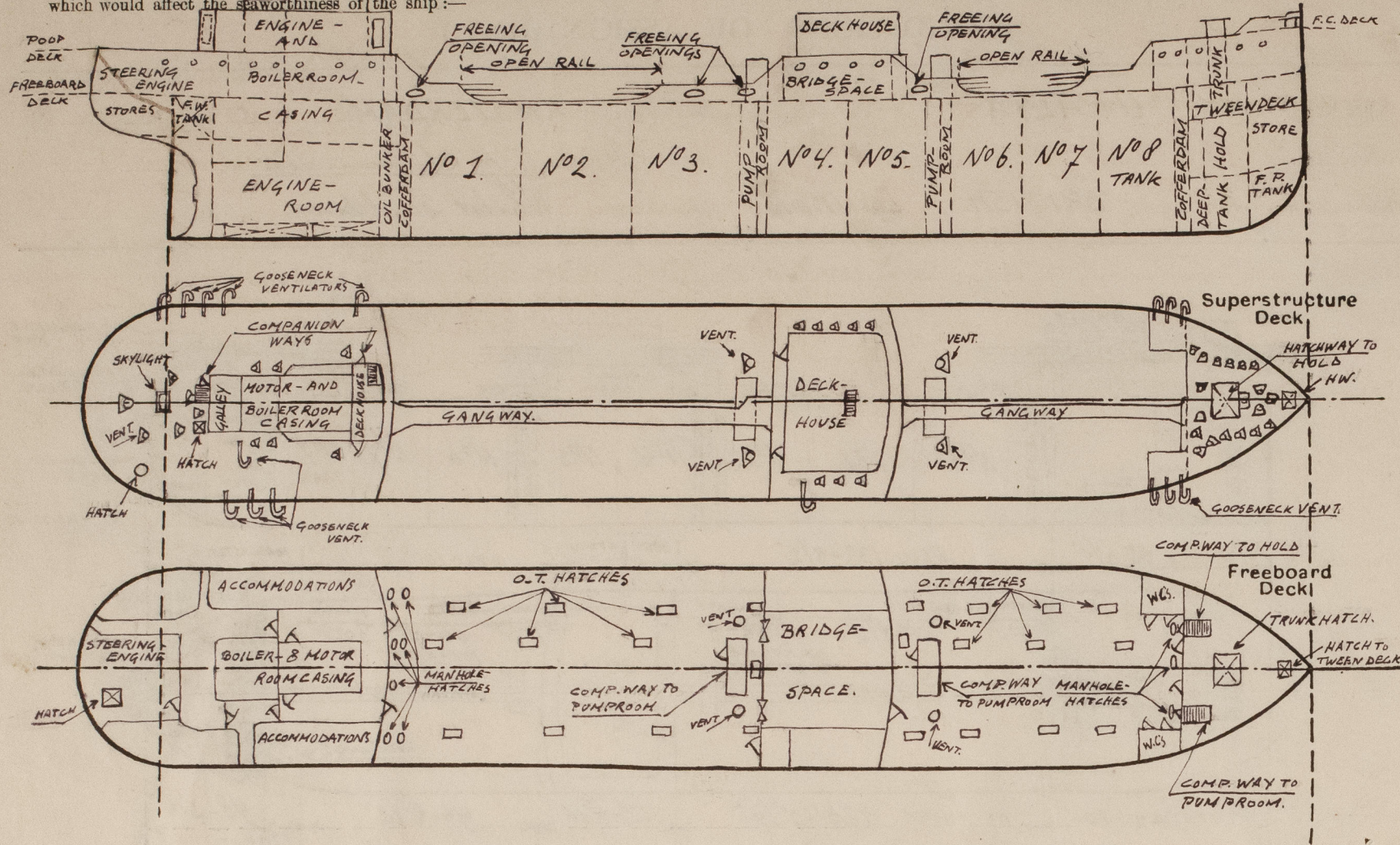
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	$6\frac{3}{8} \times 6\frac{3}{8} \times 56$	.44	AT CENTRE $2 \times 9 \times 3 \times 48$ AT SIDES $2 \times 9 \times 3 \times 52$	$30\frac{1}{2}"$ $32\frac{1}{2}"$	brackets at top and bottom	$4\text{'-}3" \times 2\text{'-}6"$	24"	7'-6"
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...	$6\frac{3}{8} \times 6\frac{3}{8} \times 56$	.30	$4\frac{1}{4} \times 3 \times 32$	27"	None	$1 \text{ of } 4\text{'-}3" \times 2\text{'-}0"$ $2 \text{ of } 4\text{'-}3" \times 3\text{'-}1\frac{1}{2}"$	24"	7'-6"
Bridge, Forward Bulkhead ...	$6\frac{3}{8} \times 6\frac{3}{8} \times 56$	.44	$2 \times 9 \times 3\frac{1}{2} \times 48$	36"	at top connected to longitudinal beams, brackets at bottom	$6\text{'-}0" \times 2\text{'-}6"$	19"	7'-6"
Forecastle Bulkhead ...	$6\frac{3}{8} \times 6\frac{3}{8} \times 56$	.30	$4\frac{1}{4} \times 3 \times 32$	$29"$ at centre $35"$ at sides	none	$4\text{'-}7" \times 2\text{'-}6"$ $4\text{'-}5" \times 2\text{'-}2"$	24"	7'-6"
Trunk, Aft ...								
Trunk, Forward ...								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...								
Exposed Machinery Casings on Superstructure Decks ...	.34"	.30"	$4 \times 2\frac{1}{2} \times 32$	$26\frac{1}{2}"$	brackets at top only	none	till board deck $8\text{'-}4"$ above " " $17\frac{1}{2}"$	
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 ...	Two steel hinged watertight doors, closed and operated from both sides.
Raised Quarter Deck Bulkhead ...	On S.B. side, one steel hinged watertight door, closed and operated from both sides.
Bridge, After Bulkhead ...	Two steel portable plates, .38 thick, fastened with hook bolts 1" ϕ , spaced 14" apart.
Bridge, Forward Bulkhead ...	One steel hinged watertight door, closed and operated from both sides.
Forecastle Bulkhead ...	Two steel hinged watertight doors and 6 strong teak doors, closed and operated from both sides.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	No openings.
Exposed Machinery Casings on Superstructure Decks ...	No openings.
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	No openings.
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:—

Fidley openings in casing top, angle ironings $4 \times 2\frac{1}{2} \times 32$ " provided with strong steel hinged covers, permanently attached.
Motor room skylight of steel, provided with steel flaps, strongly constructed and closing-appliance fitted as required.
Fidley, furnace and ventilators in a good and efficient condition.

Particulars of ~~Flush Bunker Scuttles~~:—COMPANIONWAYS:

On Foreboard deck one steel companionway on S.P. & P.S. side to forward tween decks, built in F.C. space to P.C. bulkhead, steel hinged W.T. doors 4'-6" x 2'-6" sill 9'-0" closed and operated from both sides. ✓
On Foreboard deck in forward and afterwell one steel companionway to pump rooms 13'-9 1/2" x 8'-5" 4'-6" height plating 3/8" stiffeners 3/4" x 2 1/2" x 3/8", spaced 20", to 27" apart, brackets at top and bottom, steel hinged W.T. doors 14'-8" x 5'-0" sill 12'-0" closed and operated from both sides. ✓
On Forecastle Deck: Steel hatchway 30" x 30" coaming 6' 9 1/2" x 3 1/2" x 25, steel hinged W.T. cover .50" to stores above F.P. Tank. ✓
Particulars of Companionways: - Rapidly accessible companionways to bridge space, 2 eq. hinged doors, strongly constructed. ✓
5'-7 1/2" x 2'-3" sill 10' hinged and operated from both sides; plating of deck above 2'-4" thick stiffeners 1/2" x 2 1/2" x 3/8" spaced 2'-0" to 2'-0" apart. ✓
On Poop Deck: steel companionway, one built to after bulk head of galley 5'-4 1/2" x 2'-0" sill 10" and one built in deckhouse at front of casing, steel hinged W.T. doors 5'-6" x 2'-8" sill 20", doors closed and operated from both sides leading to accommodations in poop space. ✓
One hatch 27" x 27" 1/2" 9 1/2" x 3/8" steel hinged W.T. cover .50" thick and one hatch 16" diam. coaming 1" x 40" W.T. steel hinged cover 4'-0" thick, both leading to storerooms in poop space. ✓

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:— On Forecastledeck one vent. to space above fore peak-tank, 3'-0" x 12" diam. x 4'-0" thick, 12 vent. to forecastle space, 3'-0" x 8" diam. x 4'-0" and further 5 vent. 3'-0" x 10" diam. x 4'-0" to spaces below foreboard deck to W.C.'s and wash places in forecastle space. 6 goose-neck ventilators, 3'-8" x 5" diam., cast iron, and 4 same to F.G. space. On Foredeck: 2 Ventilators, 12" diam. x 4'-0"; and 5 ventilators 8" diam. x 4'-0", all extended to 30" above freeboard deck and leading to poop space; one vent. 33" x 6" diam. x 4'-0" and 2 vent. 33" x 12" diam. x 4'-0" also to poop space and 2 vent. 3'-8" built in corners of fore part of deckhouse fore of casing, extended 30" above top of deckhouse and leading to poop space; one vent. 10" diam. x 3'-0", built against wall of Companionway against gallery, extended 30" above freeboard and one vent. 32" x 12" diam. x 4'-0" built to space below the freeboard deck. One goose-neck vent. cast iron 32" x 5" diam. to poop space. In Bridgideck: 8 Pent. 30" x 6" diam. x 4'-0" and one goose-neck vent. cast iron, 36" x 5" diam., all leading to bridge office. On Freeboard deck: to pumproom in forward and after well two ventilators 16'-6" x 23½" diam. x 4'-0" thick, brackets as supports to steel deckhouse on pumproom.

All ventilator coamings are constructed in accordance with the Rules and are provided with steel covers, screw down or wood plugs and canvas covers for closing the openings.
All gooseneck ventilators are provided with canvas covers for closing the openings. ✓

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:— On Forecastle deck one air pipe 36 x 3" diam. to forepeak tank, to fore. deep tank 4 air pipes 36 x 3 1/2" diam., to portable fresh water tanks in fore. tween deck, one air pipe 30 x 3" diameter.

On Foreboard deck: to forward cofferdam, one air pipe 7'-6" x 4" diam., supported to F.C. bulkhead. ✓
to after cofferdam, 1 air pipe 7'-6" x 4" diam.; to oil fuel bunkers 2 air pipes 7'-10" x 4" diam., all supported to F.C. bulkhead. ✓
On Roof deck: To main water D.B. tank: one air pipe 30" x 3" diam. ✓
to after peak tank: one air pipe 30" x 3" diam. ✓
to fresh water tank, built in Tweendeck, 2 air pipes 30" x 3" diam. ✓
to rudder box: one air pipe 30" x 3" diam. ✓
All remaining air pipes of D.B. tanks, etc. are extended to above the foot deck. ✓
All air pipes are fitted with flaps, canvas covers or steel flaps, are provided for closing the openings. ✓
All cargo-gear and wing tanks have a combined gas escape pipe, 4" diam. extended 4'-0" above the foreboard-deck, efficiently supported to fore and aft mainmast. ✓

Particulars of Gangway Cargo and Coaling Ports:—

Not fitted.



Particulars, of Scuppers and Sanitary Discharge Pipes:— Afterwell 5 scuppers, forward well 4 scuppers, cut out through stringer & On Freeboard deck: W.C.'s and wash places in deck houses built to fore-castle, discharging through ship's sides below freeboard deck in way of fore-cofferdam. Storm valves fitted in steel castings to shell. Scupper pipes of fore-castle space discharging through vessel's sides below freeboard deck in way of tween-deck, storm valves fitted in steel castings to shell and also provided with a valve chest operated from the tween-deck.

Bridge deck: Scupper pipes, and wash places built in deck houses on bridge deck, discharging through ship's sides, just above freeboard deck. Storm valves fitted in steel casting to shell only in W.C.'s discharge.

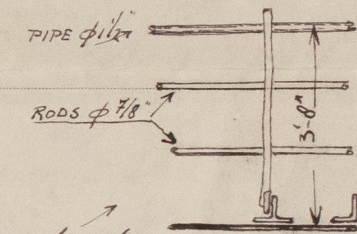
Roof space: Scupper pipes, W.C.'s and wash places built in roof space, discharging through ship's sides below the freeboard deck, storm valves fitted in steel castings to shell and also provided with a valve chest operated from tween-deck.

Scupper pipes and sanitary discharge pipes from spaces in deck houses built on Roof deck, discharging through vessel's sides about 7'-10" below the freeboard deck, no storm valves fitted.

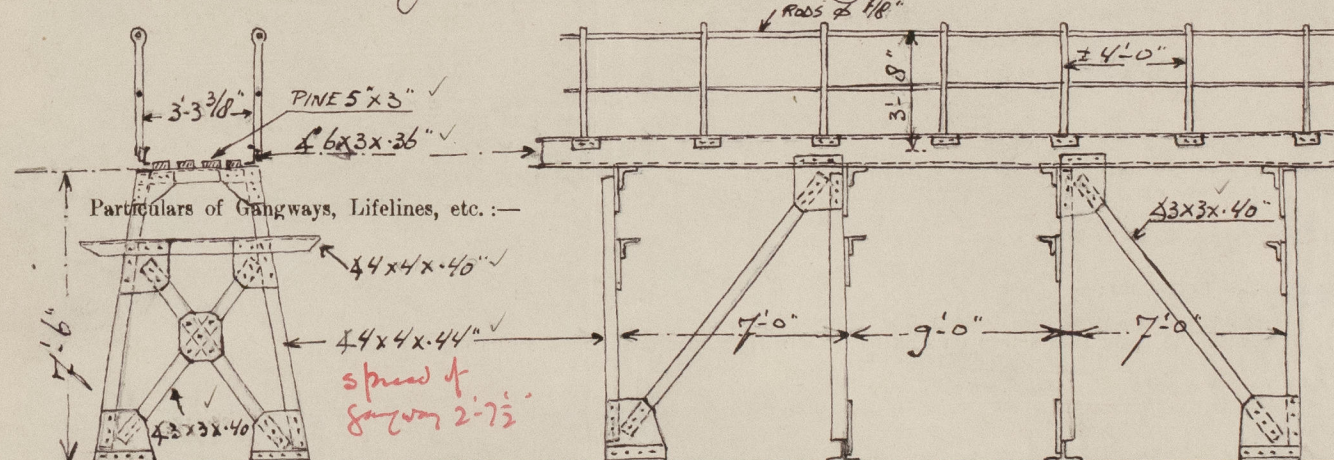
Particulars of Side Scuttles :—

Side scuttles to accommodations in Forecastle, Poop- and Bridgespace are all of substantial construction and fitted with hinged deadlights, permanently attached. ✓

Vertical distance of Sill of lowest Side Scuttle above top of keel... 36'-3"



Particulars of Guard Rails:— Open rail on Freeboarded in forward and after well & Forecastle, Bridge and Poop deck 3' 8" high, Stanchions spaced about 4' 0" apart.



Canaway extended from
Pothole over pump room house
to Bridge deck and from Bridge
deck over pump room house to
Gravelled deck, constructed as per sketch.
Supports spaced from 7' to 10' 6"
apart. Crossies fitted on each
set of supports and long ties
fitted between alternate supports
on both sides. All as approved.

Particulars of Gangways, Lifelines, etc. :—

Particulars of Freeing Arrangements.						
LENGTHS AT SIDES.	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side sq. feet.	Rule area each side.
After Well 432.46' ... 66 23	67.75'	3.66'	64.7' 3.11' x 1.64'	open rail three	15.3 ✓	50% open rails
Forward Well 100.66' ...	44.08'	3.66'	56.6' 3.11' x 1.64'	open rail one	5.1 ✓	50% open rails

State position of each freeing port { After Well :— } 13" 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:—*Three vertical rods 1" diam.*

Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

		HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.							
		ON FORECASTLE DECK				ON FREEBOARD DECK			
Description of Hatchway	...	To forward hold.		Oil tight hatches		Manhole hatches			
Dimensions of Hatchway	...	10' 0" x 8' 0"		4' 0" x 3' 0"		24' x 17 1/2"			
COAMINGS	Height above Deck	27 1/2" above wood deck ✓		2' 6" ✓		2' 6" ✓		10 1/2" ✓	
	Thickness	.40 ✓		.40 ✓		.40 ✓		.40 ✓	
	Stiffeners	.40 ✓		.40 ✓		.40 ✓		.40 ✓	
	Brackets, Stays	none		✓		✓		✓	
HATCH BEAMS	Number	Hatchway trunked		Forward well		On forward		On crossbunker	
	Spacing	in between		4		3		4	
	Scantling and Sketch	Forecastle deck and Freeboard deck.		hatches		hatches		hatches	
FORE AND AFTERS	Bearing Surface	Small escape hatch made in steel hatch cover		After well		On after-cofferdam		hatches	
	Number	2' 0" x 2' 0"		4		3		hatches	
	Spacing	Coaming 6 x 3 x 36"		hatches		hatches		hatches	
	Unsupported Lengths	Steel hinged W.T. cover .50" plate.		hatches		hatches		hatches	
HATCH COVERS	Material	Steel W.T. Cover .50 thick		Steel hinged O.T. Covers		Steel W.T. covers		Steel W.T. covers	
	Thickness	plate efficiently stiffened		.50" plate		.50" plate		.50" plate	
	How fitted	by 4 4' 6 x 3 x 36"		efficiently constructed		.50" plate		.50" plate	
	Bearing Surface	by 4 4' 6 x 3 x 36"		efficiently constructed		.50" plate		.50" plate	
Spacing of Cleats	...	screw down toggles		screw down toggles		Bolted steel covers		Bolted covers	
Number of Tarpaulins	...	bolts 1/8" spaced 15" apart ✓		bolts 1/8" spaced 15" apart ✓		bolts 3/4" spaced 3" apart ✓		bolts 3/4" spaced 3" apart ✓	
<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:— *The vessel has been built in accordance with the approved plans.*

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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