





# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
Description of Hatchway	No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	No. 6.			
Dimensions of Hatchway	26'3" x 24'9"	Same as 1.	Same as 1.	15'9" x 24'9"	Same as 1.	Same as 1.			
COAMINGS									
Height above Deck	29 7/16"	Same as 1.	Same as 1.	32 7/16"	Same as 1.	Same as 1.			
Thickness Sides	7/16"	Same as 1.	Same as 1.	7/16"	Same as 1.	Same as 1.			
Stiffeners	7 x 3 x 5 B.A.	Same as 1.	Same as 1.	7 x 3 B.A.	Same as 1.	Same as 1.			
Brackets, Stays	7 x 3/8 Bolt	1	1	7/8 plate	1	1			
HATCH BEAMS									
Number	4	Same as 1.	Same as 1.	Same as 1.	Same as 1.	Same as 1.			
Spacing	5'0"	Same as 1.	Same as 1.	Same as 1.	Same as 1.	Same as 1.			
Scantling and Sketch	Plate 7/16 21" at middle 12" at sides	Same as 1.	Same as 1.	Same as 1.	Same as 1.	Same as 1.			
Bearing Surface	3	Same as 1.	Same as 1.	Same as 1.	Same as 1.	Same as 1.			
FORE AND AFTERS									
Number	None	None	None	None	None	None			
Spacing	None	None	None	None	None	None			
Unsupported Lengths	None	None	None	None	None	None			
Scantling and Sketch	None	None	None	None	None	None			
Bearing Surface	None	None	None	None	None	None			
HATCH COVERS									
Material	Wood	Same as 1.	Same as 1.	Steel 7/16	Same as 1.	Same as 1.			
Thickness	3"	Same as 1.	Same as 1.	hinged	Same as 1.	Same as 1.			
How fitted	F+A	Same as 1.	Same as 1.	hinged	Same as 1.	Same as 1.			
Bearing Surface	2 1/2"	Same as 1.	Same as 1.	hinged	Same as 1.	Same as 1.			
Spacing of Cleats	23	23	23	None	23	23			
Number of Tarpaulins	4	4	4	None	4	4			

\*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**

Particulars of fiddle, funnel and ventilator coamings: **Motor vessel. No gratings. funnels & ventilators strong steel construction on top of house.**

Particulars of Flush Bunker Scuttles: **hatches to hold ladders on shell deck. all steel construction. Coamings 24" thick x 3/8". hatch 22" square. pressed steel hinged covers 3/16" with 4 screwed clamps, and jointed. Flush hatch under forecabin has leading to stow room. Hatch angle coaming 9 x 3 x 7/16 Bolt. wood covered. resting 2 1/2" F+A angles.**

Particulars of Companionways: **All companionways enclosed by after house or midship house.**

Particulars of Ventilators in exposed positions on freeboard and superstructure decks: **Forecabin head. 1 vent. 6" dia. Coaming 4 1/2". 2" 11" " " 36" 3/8 thick. All hold ventilators 16" dia - Coaming 11-8" 1/2 thick. All muzzroom vents to crew quarters. heavy steel coaming 7/16. 12" high. All large vents have steel covers & canvas. Small vents have plug & canvas.**

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks: **All air pipes are on shell deck 36" high - heavy steel, and fitted with wood plugs for closing.**

Particulars of Gangway Cargo and Coaling Ports: **No openings in ship's sides**

Particulars of Scuppers and Sanitary Discharge Pipes: **Scuppers from shell deck overboard - heavy steel. No sanitary discharge from spaces below shell deck. Brass automatic storm valve fitted throughout.**

Particulars of Side Scuttles: **All scuttles are of heavy metal construction and heavy glass. All scuttles below shell deck are fitted with attached dead light. All scuttles in midship house are fitted with hinged plate covers on outside. The lowest edge of lowest scuttle is 40" below shell deck (stow room amidships).**

Particulars of Guard Rails: **Guard rails on forecabin and for full length of ship, except in way of midship house where bulwarks are fitted. Rails - 42" high. 3 rails. Top rail 2" dia. Lower rail 1" dia. Stanchions spaced 52" - 2" dia at bottom to 1 1/2" at top.**

Particulars of Gangways, Lifelines, etc.: **Crew are berthed aft. No permanent fittings for lifelines**

Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
Midships	72 feet.	44"	Open Ends.			
Forward Well						

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.**

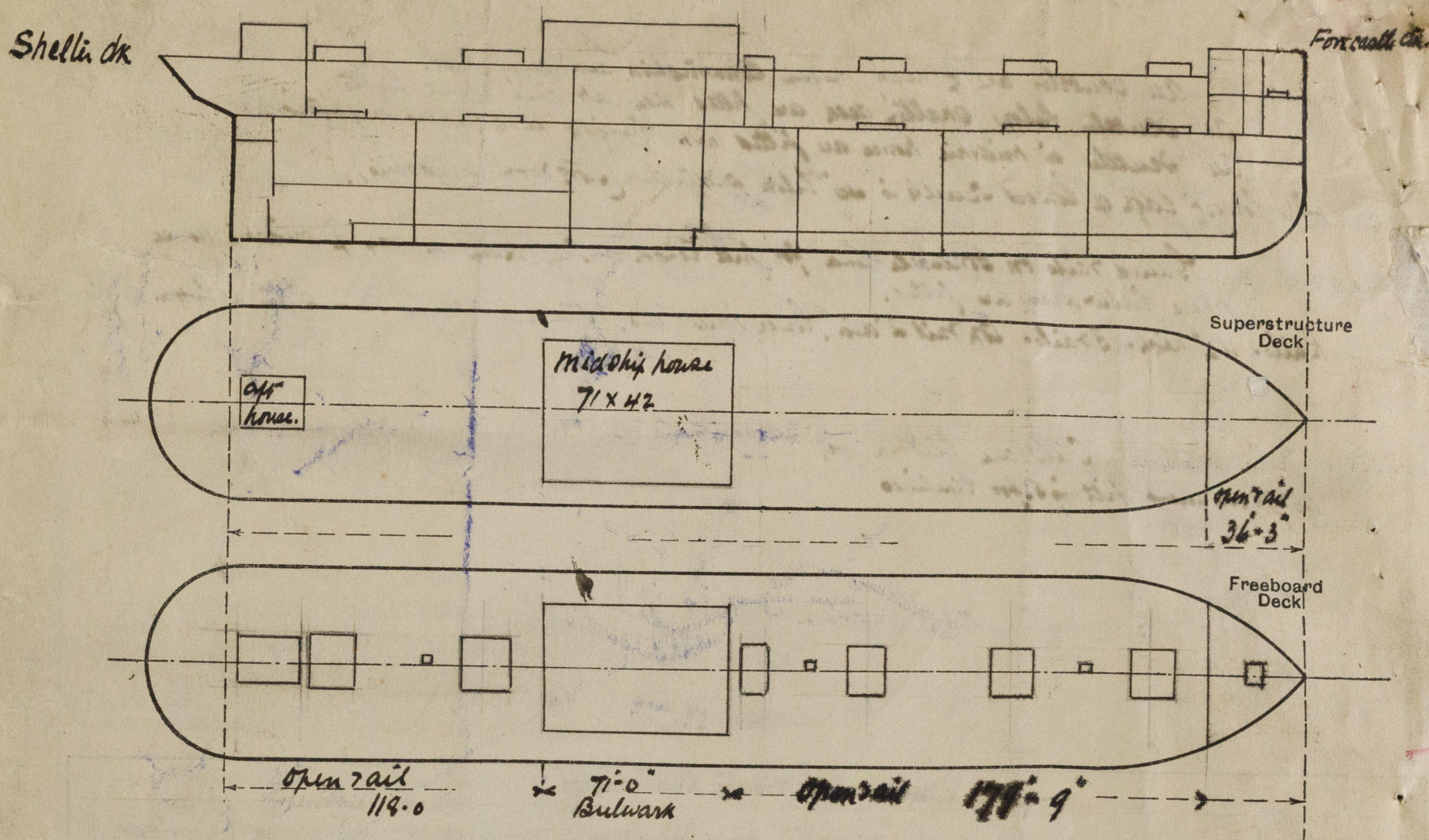
Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead								
Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead	5/16	5/16	5 1/2 x 3 x 7/16	24-5	None	33 x 36	18	51
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	5/16	5/16	3 x 4 x 3/8	30	None	25-5 x 57	18	8-0"
Exposed Machinery Casings on Superstructure Decks								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	5/16	5/16	3 x 4 x 7/16	30	None	30 x 56	12	7-4"

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	
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	

**pressed steel door 7/16 flanges on edges, diagonal stiffeners 2 1/2 x 2 1/2 x 7/16, rubber joint, 6 clamps. Operated from sides. 2 doors aft and one on each side - pressed steel 7/16 flanges & jointed. 6 clamps - operated from inside.**  
**one door. steel pressed. flanges. jointed. 6 clamps. operated from sides.**



Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling-hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shown on the following sketches:—



State any special features in the construction of the ship:— *Ship surveyed open at Victoria while loading.*  
*The Shellin deck space is open between peaks.*  
*Deep tank trunked through Shellin deck space.*

Builder's name and yard number. *A.B. Gotaverken. Yara No. 362*

Names of sister ships. *Nuolja.*

Owners. *Trapiakait Grangeshug. Oskosund.*

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