

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name *M.T. "CLAUSINA" "METULA"*

Port of Survey *Rotterdam*

Official Number

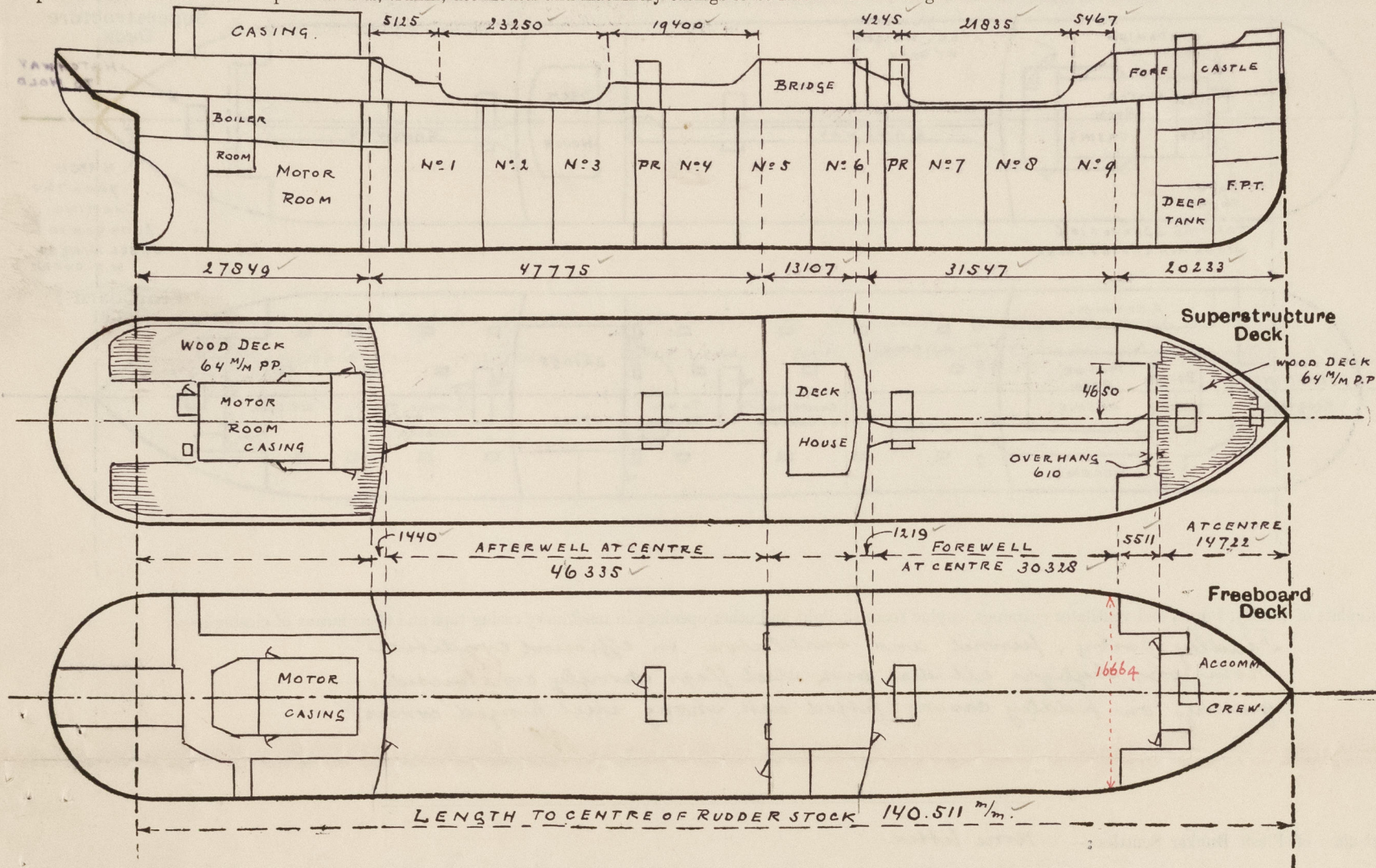
Surveyor's Signature *L. W. W.*

Nationality and Port of Registry *Dutch i. Gravenhage*

Date of Survey

*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	160x160x14	11.	at centre 175x75x12 under 150x90x10	670 to 760	brackets top and bottom	1290x760	590	2286
Raised Quarter Deck Bulkhead			at sides BA 250x90x11					
Bridge, After Bulkhead	160x160x14	8.	100x65x8 A 2 long. bulkhds.	500 to 800	none	1300x950-20ff 1390x720-10ff	590 600	2286
Bridge, Forward Bulkhead	160x160x14	11.5	250x90x12 BA 2 long. bulkhds.	740 to 840	brackets top and bottom	1520x760	460	2286
Forecastle Bulkhead	610x9	7.5	100x65x8 A	760	none	1400x720-10ff 1760x610-10ff 1400x690-60ff	580 580 680	2286
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks								
Exposed Machinery Casings on Superstructure Decks	7.5	7.5	100x65x8	760	brackets on top	none	-	3000
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on Flush Deck Ships								

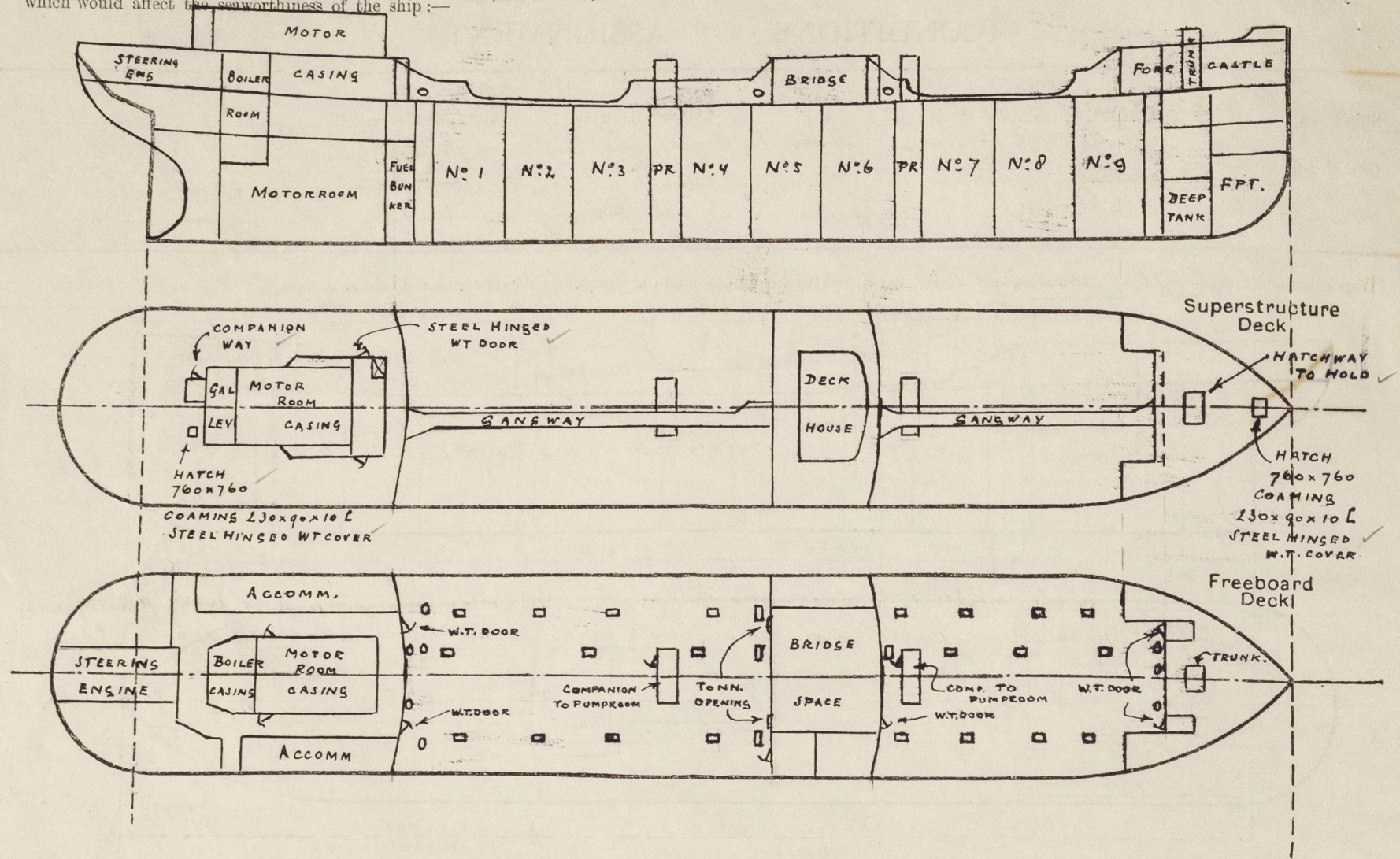
Particulars of Closing Appliances (state if capable of being manipulated from both sides).	
Poop Bulkhead	Steel hinged watertight doors operated from both sides.
Raised Quarter Deck Bulkhead	two steel portable plates 9m fastened with 1" hookbolts spaced 350mm apart.
Bridge, After Bulkhead	one steel hinged watertight door operated from both sides (on start)
Bridge, Forward Bulkhead	One steel hinged watertight door operated from both sides
Forecastle Bulkhead	two steel hinged watertight doors and 6 strong leak doors operated from both sides
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	
Exposed Machinery Casings on Superstructure Decks	no openings.
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	
Deckhouses on Flush Deck Ships	



Clausina.

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:—  
Fiddle, funnel and ventilators in efficient condition.  
Motor room skylight all steel with steel flaps strongly constructed.  
Gratings on fiddle casing fitted with strong steel hinged covers.

Particulars of Flush Bunker Scuttles:— none fitted.

Particulars of Companionways:— on freeboard deck in forward and afterwell one steel companionway to pumprooms 4380 x 2550 x 2300 mm high; plating 9.5 and 8 mm; stiffeners 100 x 65 x 8 A. spaced ± 705 mm, bracketed top and bottom.  
Steel hinged watertight door at after side 1520 x 760 mm sill 420 mm operated from both sides.  
On poop deck steel companionway to accommodation at after end of deckhouse, steel hinged watertight door 1700 x 610 mm sill 480 mm operated from both sides.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:—  
on forecabin deck 1 vent 300 mm dia. coaming 915 x 10 to space above forepeak tank.  
11 vents 200 mm " " 915 x 8 to enclosed forecabin.  
1 vent 250 mm " " 915 x 8.5 " " " "  
5 vents 250 mm " " 915 x 8.5 to tween deck & pump room.  
6 goose necks 125 mm dia. x 900 mm high to W.S.'s and wash places.  
on bridge deck 9 vents 150 mm dia. coaming 760 x 8 to bridge space.  
on poop deck 6 vents 300 mm dia. 760 x 10 to enclosed poop space.  
3 vents 200 mm " " 760 x 8.5 to " " "  
1 vent 150 mm " " 760 x 8 to " " "  
on freeboard deck 4 vents 610 mm " " 5000 x 10 to pumprooms well supported and bracketed to deckhouse.

All ventilators constructed in accordance with the Rules and coamings provided.  
With steel screw down covers or wood plugs and canvas covers.  
All goose neck ventilators provided with wood plugs and canvas covers.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—  
on forecabin deck 1 air pipe 75 mm dia. x 760 mm high from forepeak tank.  
4 " " 90 mm " x 760 mm " " " duplank.  
1 " " 75 mm " x 760 mm " " " first water tanks.  
on poop deck 6 " " 75 mm " x 760 mm " " " double bottom tanks.  
3 " " 50 mm " x 760 mm " " " " "  
3 " " 75 mm " x 760 mm " " " after peak tank and  
on freeboard deck 1 " " 125 mm " x 3200 mm " " after cofferdam first water tanks  
2 " " 100 mm " x 3200 mm " " fuel bunker well supported to poop front.  
All air pipes are fitted with gauge and canvas covers or steel hinged flaps.  
All cargo tanks and wing tanks have a combined gas escape pipe 100 mm dia. carried up fore- & mainmast.

Particulars of Gangway Cargo and Coaling Ports:—

Particulars of Scuppers and Sanitary Discharge Pipes:—

Forewell 4 scuppers, Afterwell 6 scuppers cut through stringer angle.  
Sanitary discharges from accommodation in forecabin through ship's side below freeboard deck.  
" " " " on bridge deck " " " above " "  
" " " " on poop " " " below " "  
All sanitary discharges are fitted with cast steel valve chest and bronze storm.  
Valves at ship's side.

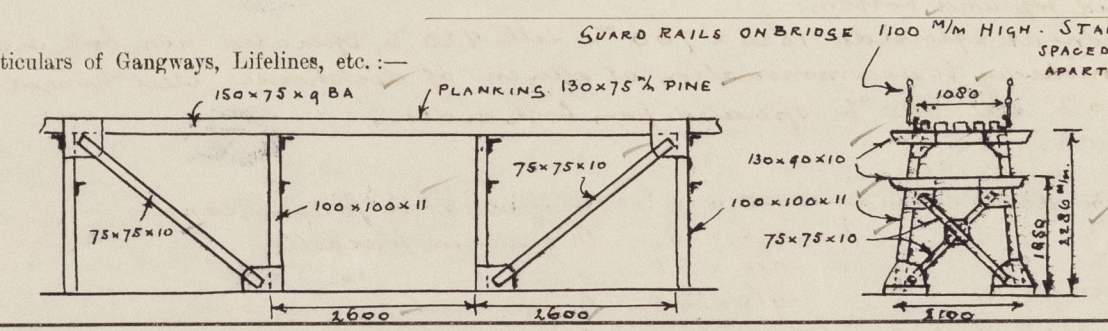
Particulars of Side Scuttles:—

Side scuttles to accommodation in forecabin and poop and in bridge space are all of substantial construction and fitted with permanently attached deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel 11.890 m.

Particulars of Guard Rails:— Part steel bulwarks on freeboard deck in afterwell and in forewell as per sketch 1100 mm high efficiently constructed and supported.  
guard rails on forecabin deck, bridge deck, poop deck and on freeboard deck in fore and afterwell 1100 mm high having 3 rods and stanchions spaced about 1300 mm apart.

Particulars of Gangways, Lifelines, etc.:—



Gangway extending from poop deck over pump room to bridge deck and from bridge deck over pump room house to forecabin deck. Constructed as per sketch, supports spaced about 2600 mm apart, cross ties fitted in each support and longitudinal ties fitted between alternate supports on both sides.

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 ...	47.775 m	1100 mm	9.4 x 5.0 d.M OVAL 23.250 m OPEN RAIL	2	74 d M <sup>2</sup>	50% OPEN RAIL
Forward Well ...	31.547 m	1100 mm	9.4 x 5.0 d.M OVAL 21.835 m OPEN RAIL	1	37 d M <sup>2</sup>	50% OPEN RAIL

State position of each freeing port ... { After Well:— } 330 mm 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 rails 25 mm dia.

Additional area where sheer is less than standard.



### PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway				Hatchway to forehold on forecabin deck.	Oil tight hatches on freeboard deck				Manhole hatches
Dimensions of Hatchway				2440 x 3050 mm	centre tanks	wing tanks.	cofferdams and fuel bunkers.	610 x 450 mm	
COAMINGS	Height above Deck	...	760		1240 x 955 mm	1240 x 955 mm	coamings		
	Thickness	Sides	10		coaming	coaming	[ 260 x 90 x 90 x 14		
		Ends	10		760 x 10	760 x 10	on forward cofferdam		
	Stiffeners	...	none				3 hatches.		
	Brackets, Stays	...	none				on after cofferdam		
HATCH BEAMS	Number	...			Forewell	Forewell	on after cofferdam		
	Spacing	...			4 hatches	8 hatches	3 hatches.		
	Scantling and Sketch	...	hatchway hunched in between forecabin deck and freeboard dk.		Afterwell	Afterwell	on fuel bunkers		
					5 hatches	10 hatches	2 hatches		
FORE AND AFTERS	Number	...							
	Spacing	...							
	Unsupported Lengths	...	Small escape hatch fitted on steel hatch cover						
	Scantling* and Sketch	...	610 x 610 mm coaming 150 x 75 x 9 BA steel hinged O.T cover 12.5 mm in thickness.						
	Bearing Surface	...							
HATCH COVERS	Material	...	steel		steel	steel	steel O.T. covers		
	Thickness	...	12.5 mm		12.5 mm	12.5 mm	12.5 mm		
	How fitted	...	efficiently stiffened		efficiently stiffened and hinged.	efficiently stiffened and hinged	bolts with 19 mm bolts		
	Bearing Surface	...	with 4 angles 150 x 75 x 9				spaced 80 mm apart.		
Spacing of Cleats				...	screw down toggles 29 mm in dia.				
Number of Tarpaulins				...	spaced 350 mm apart.				

Particulars of any special features:— *The vessel has been built in accordance with the approved plans.*

at moulded draught	27' 0"	total displacement	Eng. tons.	seaw.	=	16592;	tons per inch	56.9
" " "	27' 6"	" "	" "	" "	=	16925;	" " "	57.0
" " "	28' 0"	" "	" "	" "	=	17270;	" " "	57.2

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.