

25 AUG 1945

Index No. 38100
(For London Office only).

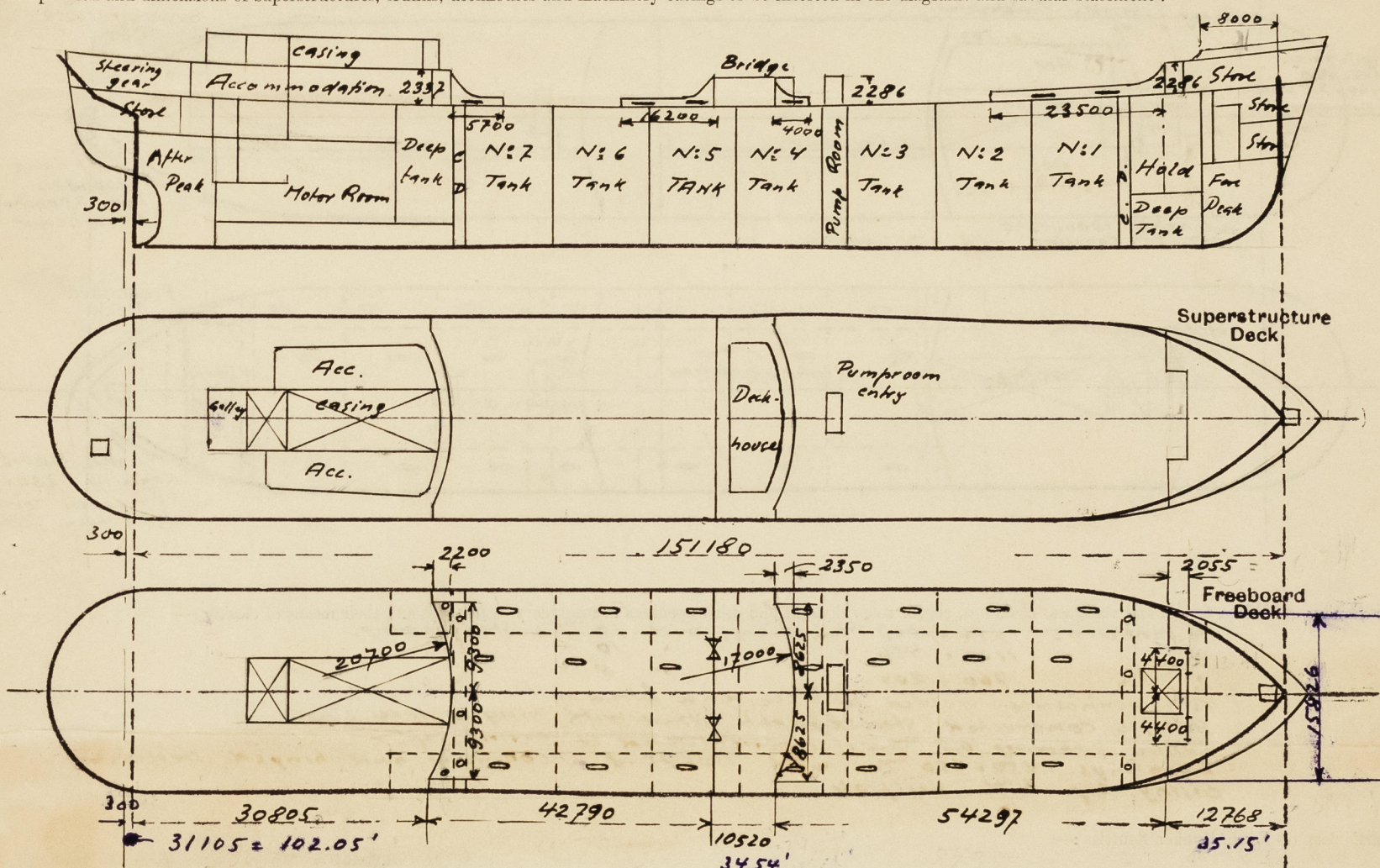
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name *yard No 97 HENNING MÆRSK* Port of Survey *Odense*
 Official Number _____ Surveyor's Signature *26th June*
 Nationality and Port of Registry *Danish PANAMA* Date of Survey *November 1944*

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.

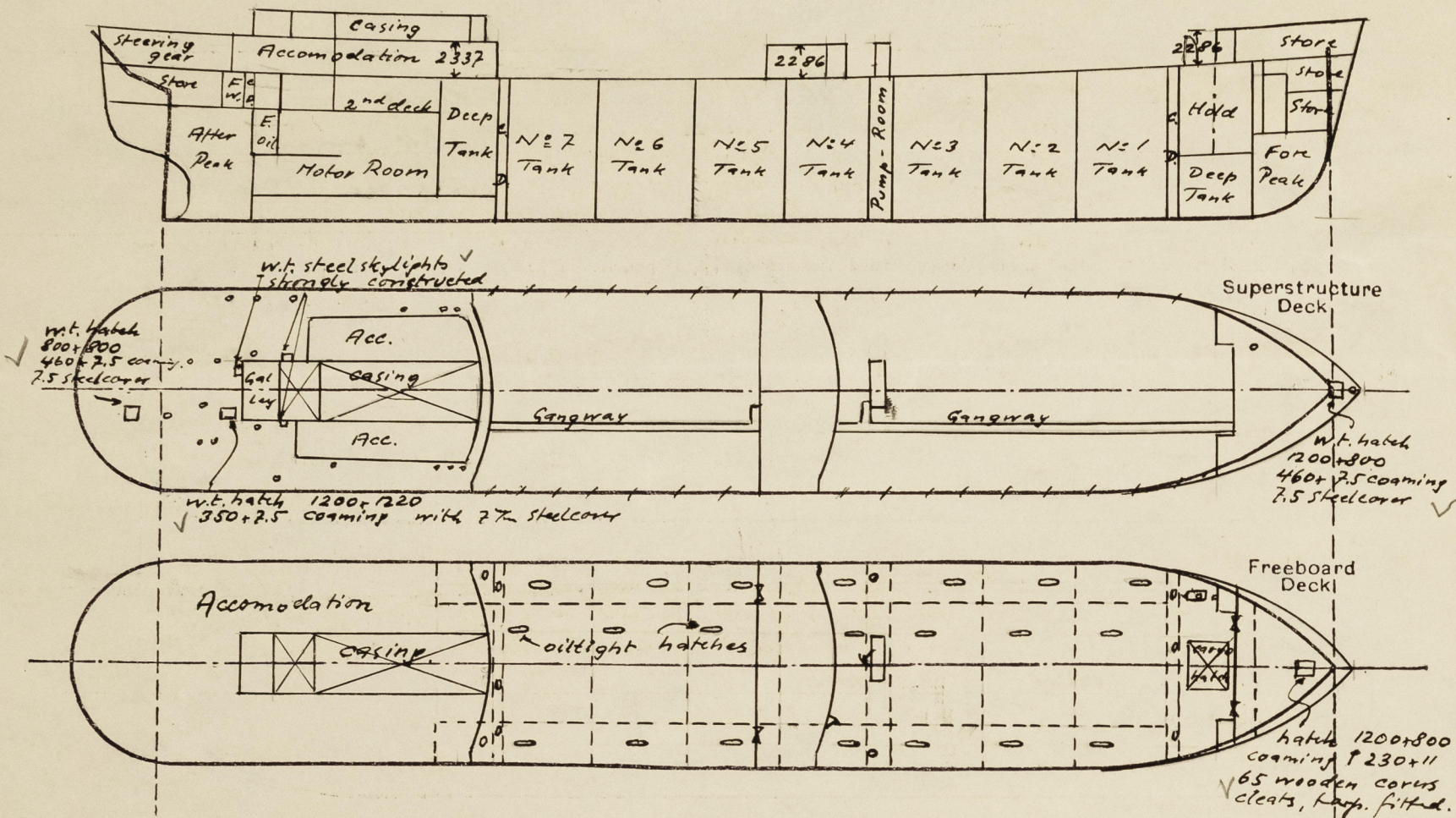
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	11	11	250x90+12	1805	welded to deck	none	✓	728 = 2332 ✓
Raised Quarter Deck Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Bridge, After Bulkhead ...	2.5	7.5	75x55+9	204/805	welded to deck + longit.	20ft 1245x940	465	726 = 2286 ✓
Bridge, Forward Bulkhead ...	11	11	250x90+12	740/805	welded to deck + longit.	10ft 1465x610	465	726 = 2286 ✓
Forecastle Bulkhead ...	2.5	2.5	75x55+9	740	on top welded to longit.	20ft 1245x940	465	726 = 2286 ✓
Trunk, Aft ...	✓	✓	✓	✓	✓	✓	✓	✓
Trunk, Forward ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	12	12	250x90+12	740	welded to decks	none	✓	728 = 2332 ✓
Exposed Machinery Casings on Superstructure Decks ...	2.5	2.5	90x75+11	740	none	none	✓	925 = 2883 ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓	✓	✓	✓	✓	✓	✓	✓
Pump room casing Deckhouses on Flush Deck Ships ...	8.5	8.5	100x65+9	4	none	10ft 1320x840	610	726 = 2286 ✓

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

Poop Bulkhead ...	✓
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	65 mm wooden planks fitted in full height
Bridge, Forward Bulkhead ...	wt. hinged steel door with 4 turnbuckles capable of being operated from both sides
Forecastle Bulkhead ...	65 mm wooden planks fitted in full height
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 ...	✓
Pump room casing Deckhouses on Flush Deck Ships ...	steel hinged door capable of being manipulated from both sides

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:-

- 4 ventilators 1450 x 1067 mm diam. with 10 mm steel coaming.
- 4 " 1100 x 456 " 10 "
- 2 " 760 x 204 " 8 "
- All ventilators welded to deck and fitted with steel covers.
- Strongly constructed steel skylight fitted with hinged steel flaps.
- Funnel coaming 6.5 mm steel plate riveted to casing top.
- 2 gratings 1450 x 650 mm with 150 x 75 rd L coaming and hinged steel covers.
- casing top 6 mm steel plate.

Particulars of Flush Bunker Scuttles:-

none

Particulars of Companionways:-

- Access to accommodation in poop space through deckhouse
- on poop deck. Doors 1450 x 600, height of sill 460 mm, solid doors capable of being manipulated from both sides. - Pump room casing amidships
- strongly constructed of 8.5 steel plate and 100 x 65 x 9 stiffeners. Door 1320 x 840 mm
- wt. with 610 mm sill, capable of being manipulated from both sides.
- Companionway to forward pump room 8.5 mm steel plate and 65 x 65 x 9 stiffeners.
- wt. steel hinged door, 8.5 mm with 610 mm sill. Turnbuckles capable of being operated from both sides.

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

- Forecastle deck: 2 off 915 x 300 mm diam. 8.5 mm coaming.
- Freeboard deck: 2 " 2110 x 300 " 8.5 " " on top of companionway
- 1 " 760 x 300 " 8.5 " " derrickposts.
- 2 " 7320 x 600 " 12.5 " "
- Bridge deck: 2 " 760 x 300 " 8.5 " "
- Poop deck: 6 " 760 x 300 " 8.5 " "
- 8 " 760 x 255 " 8.5 " "
- 3 " 760 x 150 " 2.5 " "
- 5 " 760 x 205 " 8.0 " "
- 1 " 760 x 380 " 9.5 " "
- 11 goose necks 760 x 180 2.5 "

- All ventilators of substantial construction and fitted with galv.
- steel covers and canvas covers. Ventilators well supported.

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

- All air pipes fitted with galv. steel goose necks, wire gauze and approved closing appliances.
- Height on freeboard deck: 915 mm
- " " superstructure: 460 "



Particulars of Gangway Cargo and Coaling Ports:-

none

Particulars of Scuppers and Sanitary Discharge Pipes:-

No sanitary discharge pipes from spaces below freeboard deck. Pipes made of steel and fitted with cast steel storm valves. Discharge pipes from accommodation aft led overboard about 1300 mm above L.V.L. and fitted with sluice valve of cast iron and cast steel storm valves.

Particulars of Side Scuttles:-

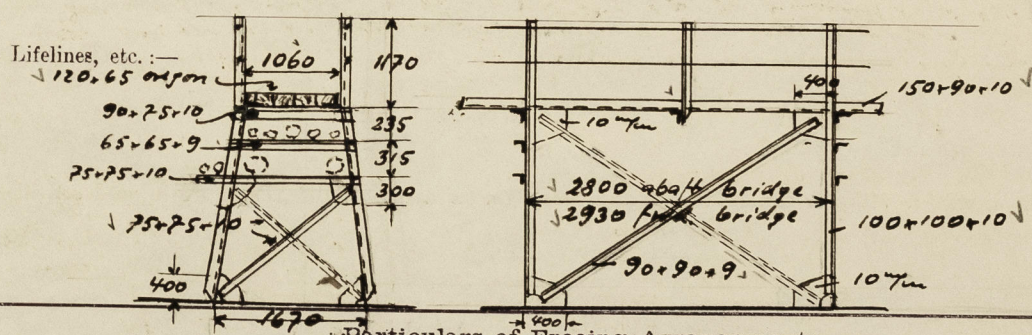
No side scuttles below freeboard deck. All side scuttles fitted with 10 mm securit glasses and strongly constructed inside hinged steel deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel

12600 mm

Particulars of Guard Rails:- Freeboard deck: Steelbulwark as per sketch, 1220 mm high, 6.5 mm plating, railbar 180 x 76 x 13 x 19, 9.5 mm flanged stanchions spaced about 1800 mm. Open rails 1220 mm high with 3 rods equally spaced, stanchions spaced 1350 mm. Forecastle deck: Part steelbulwark 1070 mm high, 6.5 mm plating, railbar 180 x 76 x 13 x 19, 9.5 mm flanged stanchions spaced about 1700 mm. Open rails 1220 mm high with 3 rods equally spaced and stanchions spaced about 1400 mm. Open rails on after end of bridge 1070 mm high with 3 rods equally spaced. Rest of poop and bridge deck 6.5 mm steelbulwark 1070 mm high, railbar 180 x 76 x 13 x 19 and 9.5 mm flanged stanchions, spaced about 1800 mm.

Particulars of Gangways, Lifelines, etc.:-



Particulars of Freeing Arrangements.

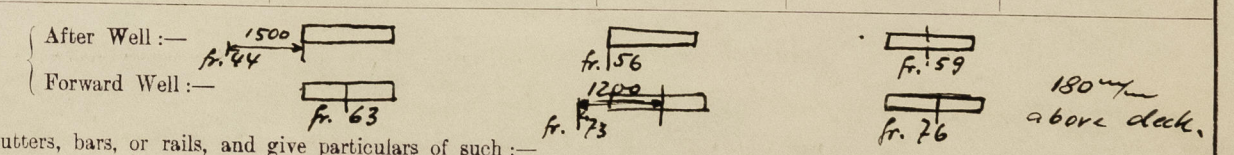
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well ...	21900	1220	2000 x 200	3	1.20 m ²	
Forward Well ...	27500	1220	2000 x 200	3	1.20 m ²	

State position of each freeing port ...

(F. and A. position and height above deck edge)

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 PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.												
Description of Hatchway	...	...	...	← Oiltight hatches 21 off →	O.T. C.D. hatch 3ft aft 450x600	O.T. C.D. hatch 10ft fwd 400x600	O.T. Bunkers 2ft 450x600	W.t. hatchway to dry cargo hold and	
Dimensions of Hatchway	...	...	...	1540x740	3ft aft 450x600	10ft fwd 400x600	2ft 450x600	3425x2938	
COAMINGS	{	Height above Deck	...	815	← 150x75x10 I →				830			
		Thickness	...	✓ 11						none	✓ 11	
		Sides	...	2 vertical stiffener ✓								none
		Ends	...									
Stiffeners	...											
Brackets, Stays	...			130x11								
HATCH BEAMS	{	Number	...	none					none			
		Spacing	...							none		
		Scantling and Sketch	...								none	
			...									
Bearing Surface	...											
FORE AND AFTERS	{	Number	...	none					none			
		Spacing	...							none		
		Unsupported Lengths	...								none	
		Scantling* and Sketch	...									none
Bearing Surface	...											
HATCH COVERS	{	Material	...	✓ steel	✓ steel	✓ steel	✓ steel	steel (hinged)				
		Thickness	...	✓ 16 mm	✓ 10 mm	✓ 10 mm	12.5 mm					
		How fitted	...	✓ Hinged and packet	✓ bolted and packet	✓ bolted and packet	2 stiffeners fitted athwartships					
		Bearing Surface	...	✓ oiltight cover with screw down bolts	✓ oiltight	✓ oiltight	250x90x10 I and 4 stiffeners fore & aft 150x10 T 540x760 spaced					
Spacing of Cleats	...	...	...	✓	✓	✓	✓	✓	Fore & aft bolts spaced 393 mm.
Number of Tarpaulins	...	...	...	✓	✓	✓	✓	✓	
*Are wood fore and afters steel shod at all bearing surfaces?												
Are battens and wedges efficient and in good condition?												
Are tarpaulins in good condition and in accordance with rule requirements?												
Are lashings provided in accordance with rule requirements?												

Particulars of any special features:—

Displacement in salt water at approximate L.L. = 21010 Tons.
Tons per inch = 67.20.
Midship Section, general arrangement and displacement
curves attached.
The vessel is all welded and has cruiser stern.

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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Foundation