

Lloyd's Register of Shipping.

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20 OCT 1947

SURVEYS FOR FREEBOARD.

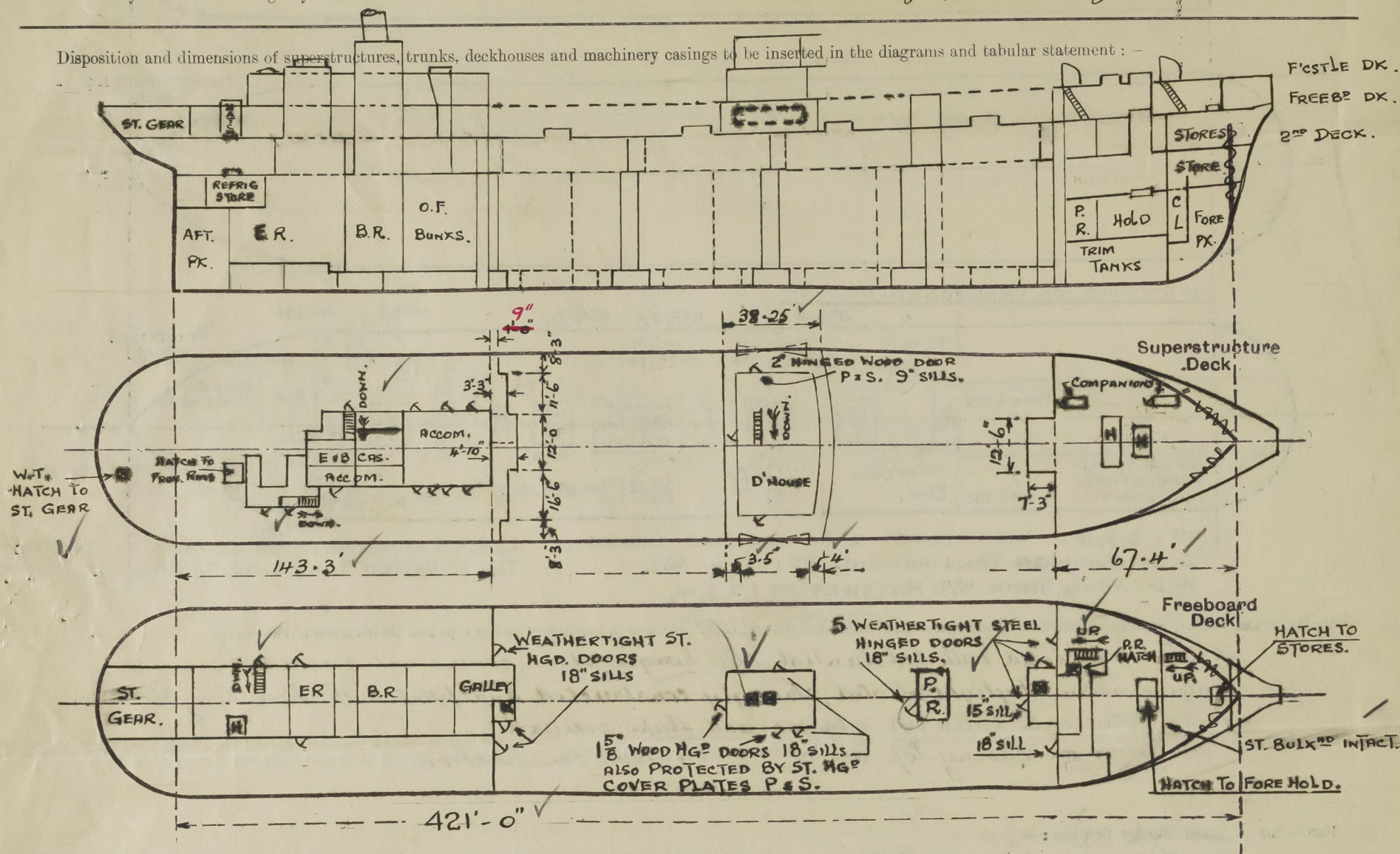
F.96

(CONDITIONS OF ASSIGNMENT.)

Ship's Name *THULE. EX "NEPTUN"*
 Official Number *181784*
 Nationality and Port of Registry *BRITISH - LONDON.*

Port of Survey *BELFAST.*
 Surveyor's Signature *A. S. Fletcher.*
 Date of Survey *during Special Survey October 1947.*

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



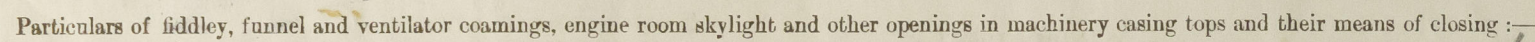
Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead44"	.40"	10" x 3 1/2" x .50" B.A.	ABOUT 33"	BRACKETTED TOP & BOTTOM	1 @ 5'-3" x 33" 2 @ 5'-3" x 24"	18" ✓	8'-0"
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	✓							
Bridge, Forward Bulkhead ...	✓							
Forecastle Bulkhead34"	.30"	3" x 2 1/2" x .30" ✓ <i>and casings</i>	30" - 36"	BRACKET TOP 1 RY. AT BOT.	4 @ 5'-3" x 27"	3 @ 18" 1 @ 15" ✓	8'-6"
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 ...	✓							
Deckhouses on Flush Deck Ships ...	✓							

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

Poop Bulkhead ...	<i>Weatheright steel hinged doors operated from both sides of strong construction.</i> ✓
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	✓
Bridge, Forward Bulkhead ...	✓
Forecastle Bulkhead ...	<i>Weatheright steel hinged doors operated from both sides of strong construction.</i> ✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	<i>not exposed</i> ✓
Exposed Machinery Casings on Superstructure Decks ...	<i>not exposed</i> ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓
Deckhouses on Flush Deck Ships ...	✓

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:—



Tridley top provided with substantial steel hinged storm covers and secured. ✓
Engine room skylight of steel, strongly constructed and fitted with steel hinged flaps, fitted with bulls eye glasses and flaps secured. ✓
Ventilators on casing top are of substantial construction. ✓

Particulars of Flush Bunker Scuttles :—

An poop deck 3 scuttles fitted each side and trunk to lower deck. Deck openings closed by flush scuttles with bayonet joints, of steel & substantial construction. *color with permanent chain attachments.*

Particulars of Companionways:— FORECASTLE DECK:- Leading to space below 2 steel houses, 6'6" x 30" x 7'6" high of 1/4" plating & stiffened by 3" x 1/2" solid half rounds. Door openings 11'9" x 24" with 2 1/2" sills. Doors by 2" solid wood hinged doors opened both sides. ON POOP DECK:- Stairways to poop deck below, protected by strongly built steel deckhouse. Access doors of 1/2" solid hinged with 1 1/2" sills (existing) operated from both sides. On foreboard deck:- 4 small tank lids 2'6" x 2'6" closed by 1/2" steel lid bolted watertight with 3/4" bolts spaced 3 1/4" apart, leading to Centre tanks 11'2 1/2" x 2, 3 x 4. Protected by strongly built deckhouses at poop front, forecastle front and inside main ship House. Pump House 11'0" x 10'0" x 8'0" plating 1/32" stiff 4 x 3/8" 30 ang. spaced 26". Brackets 1 1/2" x 1 Row at bottom. Door opening 5'3" x 27" with 18" sill, closed by steel hinged weatherlight door secured by toggles & operated both sides.

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

On Forecastle deck:-
 3 @ 15" dia Towl Vents 25" high x 25" coamings in good condition ✓
 2 @ 12" " " " " " " " " " ✓
 2 @ 16" " " " 18" " " " " " " ✓
 1 @ 8" " " " " " " " " " ✓
 10 @ 8" x 4" Swan necks 20" " to lip of " " " ✓

Roof Deck:-
2 @ 12" dia French top 26" high x .32" coamings in good condition ✓
2 @ 12" " Cow Vents 20 " x .25 " " " " ✓
2 @ 15" " " " " " " " " " ✓
4 @ 8"x4" Swan necks 19" to lips of " " " " ✓
mechanical intake 21"x14" with 30" coaming above Roof deck (S.S.) ✓
and strongly constructed.

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

Roof deck
1 @ 2 1/2" dia to After Peak 18" high to lip ✓
3 @ 2 1/2" dia p.s. to E. & B. double bottom 18" to lips ✓
Freeboard deck
5 @ 2 1/2" dia p.s. to double bottom tanks 30" high ✓
On Freebd deck inside Forecastle
1 @ 2 1/2" dia to Fore Peak 5'-0" high to lip. ✓
2 @ 2 1/2" " " Trimming tanks 4'-0" to lips ✓
1 @ 3" " " " 4'-0" " " ✓
2 @ 6" " " " 4'-0" " " ✓

On Freeboard deck
2 @ 18" dia Cowi Vents 10'-6" x .25 Coaming
to Pump House secured to D'house sides.

All bowl, French top & Swan neck vents
 are existing ventilators. ✓
 bowl & French top vent coamings are
 provided with watertight screw down
 steel lids. ✓
 Swan neck type are fitted with steel hinged
 watertight covers. ✓

All Air pipes provided with canvas covers, and Air pipes to Forward trimming tanks with gauze wire.

Particulars of Gangway Cargo and Coaling Ports :—

In Poop side above freeboard deck, 3 Steel hinged watertight doors, secured by draw bars, port and starbd. Size 2'-6" x 24" and trunked from poop deck to freeboard deck leading to Bunker tween deck space. The shell side doors have now been sealed close by electrically welding and satisfactorily here tested.

Particulars of Scuppers and Sanitary Discharge Pipes :—

Scuppers from freeboard deck, clear of Poop & Forecastle spaces, discharge overboard through openings cut in Sheerstrake & gunwale angle ✓
All Sanitary and scupper discharges from Midship Houses, Poop and Forecastle spaces led overboard below freeboard deck with storm valves at ship's side. ✓
Scuppers from spaces below freeboard deck aft drain into Engine room bilges. ✓
Scuppers from spaces below freeboard deck forward drain into hatch box in hold, and into chain locker which is discharged overboard above freeboard deck by Semi-Rotary hand pump. of such a type that water from the sea cannot enter the ship from discharge side, & discharge pipe is carried 3'-0" above freeboard deck & discharges overboard 1'-6" above freeboard deck through open pipe.

Particulars of Side Scuttles:—

In Poop space 12" dia clear glass with hinged steel deadlights ✓
In after " below freeboard deck 10" dia clear glass with hinged steel deadlights ✓
In Forecastle space 10" dia clear glass with steel hinged deadlight ✓
In forward space below freeboard deck 8" dia clear glass with hinged steel deadlights ✓
All scuttles of substantial construction. ✓

Vertical distance of Sill of lowest Side Scuttle above top of keel *33'-0" aft.*

Particulars of Guard Rails :—

On Poop, Bridge & Forecastle 3'-7" high, 4 rails, stanchions spaced 4'-6" apart ✓
On Fore and Aft Gangway 3'-0" high 2 rails " " 4'-9" " ✓

Particulars of Gangways, Lifelines, etc.:— *Fore & Aft gangways in wells 8'-2" high above freeboard deck, constructed of 10" x 3½ x 3½ x 30" Channel plate stringers, consisting of 3 x 3 x 3/4 angles transverse spaced 6'-3" apart. Gangway planned by 5' x 3" P.P. and fitted with handrails 3'0" high, 2 rails, stanchions 4'-9" apart. Gangways supported by bracing to deck with 4" x 4 x .50 tee angles spaced 12'-6" apart, spaced 3'-3" at platform & upper deck. Supports braced transversely by 3" x 3 x .40 angles diagonally and 4" x 4 x .50 tee bars longitudinally and bracketed top & bottom.*

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 ... FREEBOARD OK.	209'-3"	3'-9"	4'-6" x 20" 4'-7" x 20"	17 11	212 ft. 81 1/4 ft.	44 1/2 41.85 ✓
Forward Well ... POOP FRONT						
State position of each freeing port ... (F. and A. position and height above deck edge)	{ After Well :- See above { Forward Well :- 10"					
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:—	2 rods each ✓					
Additional area where sheer is less than standard.						

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
ON FREEBOARD DECK										
POOP DECK → FORECASTLE DECK										
Description of Hatchway	4 CENTRE TANKS	8 Wing Tanks	4 Ladder Hatches	4 Cofferdams	10 Summer Tanks	Fore Pump Rm	PROVISA STORES	ACCESS ST. GEAR	CASTLE SPACE	No 1 Hold
Dimensions of Hatchway	10'-6" x 9'-9"	3'-3" x 2'-8"	2'-6" x 2'-3"	28" x 20"	6'-9" x 6'-9"	2'-6" x 2'-6"	6'-0" x 6'-0"	2'-5" x 1'-6"	17'-9" x 9'-0"	10'-0" x 9'-0"
COAMINGS	Height above Deck	2'-7"	10" B.A.	10 B.A.	10" B.A.	2'-7"	24"	2'-8"	7" B.A.	2'-7"
	Thickness	.44	.40	.40	.40	.44	.40	.40	.44	.44
	Stiffeners	5" x 3" x 38"	✓	✓	✓	✓	✓	✓	✓	✓
	Brackets, Stays	✓	✓	✓	✓	✓	✓	✓	✓	✓
HATCH BEAMS	Number	✓	✓	✓	✓	✓	TRUNKED FROM POOP TO FORECASTLE DECK	✓	4'-6" x 4'-6" x 3"	4'-6" x 4'-6" x 3"
	Spacing	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Scantling and Sketch	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Bearing Surface	✓	✓	✓	✓	✓	✓	✓	✓	✓
FORE AND AFTERS	Number	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Spacing	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Unsupported Lengths	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Scantling* and Sketch	✓	✓	✓	✓	✓	✓	✓	✓	✓
HATCH COVERS	Material	Steel W.T.	STEEL	Steel	Steel	Steel	Wood	Wood	Steel	WOOD
	Thickness	.50	.40	.40	.40	.50	2 1/2"	3 1/2"	.38"	3"
	How fitted	Bolted	Hinged W.T.	Hinged W.T.	W.T.	W.T. close	Hinged	F & A	Hinged	F & A
	Bearing Surface	close spaced	40" x 40" with toggle bolts	40" x 40" with toggle bolts	40" x 40" with toggle bolts	40" x 40" with toggle bolts	3"	3"	W.T. closed by toggles	3"
Spacing of Cleats	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Number of Tarpaulins	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<p>*Are wood fore and afters steel shod at all bearing surfaces? ✓</p> <p>Are battens and wedges efficient and in good condition? yes ✓</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? yes ✓</p> <p>Are lashings provided in accordance with rule requirements? yes ✓</p>										

Particulars of any special features :- Hatchways continued :-

On Freeboard deck :- To No 1 Hold inside forecastle 10'-0" x 9'-0" x 2'-8" high coaming .44 thick, One Hatch beam 13" x .42" stiffened with Double 4" x 2 1/2" x 34 B.A. top & bottom, 3" rests, 3" Wood covers, Cleats 24" apart, 2 Tarpaulins & Battens etc.

Small hatch to forward stores :- 3'-0" x 3'-0" x 15" coaming .38", 3" rests, cleats 18" apart, 3" Wood covers, 2 Tarpaulins & battens etc.

On basing Top :- Hatch to Bunker tween deck and trunked to Freeboard deck :- 8'-6" x 7'-0" x 2'-8" coaming .38" thick, 3" rests, cleats spaced 24", 4" Wood covers, 2 Tarpaulins, Battens etc.

Steel access hatchway inside Fore space Port to Fore Hold Pump Room 2'-6" x 2'-6" x 24" coaming .38" thick, with steel hinged W.T. cover plate secured by bolt toggles.

This vessel being an existing ship the Wood hatch covers are not bound by Galv. iron bands at their ends.

These hatch lids fitted with small access hatches on top 3'-4" x 2'-8" of 6" x 3 1/2" x 40" B.A. coamings & closed by W.T. steel hinged lids secured by toggles.

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.

MLD

