

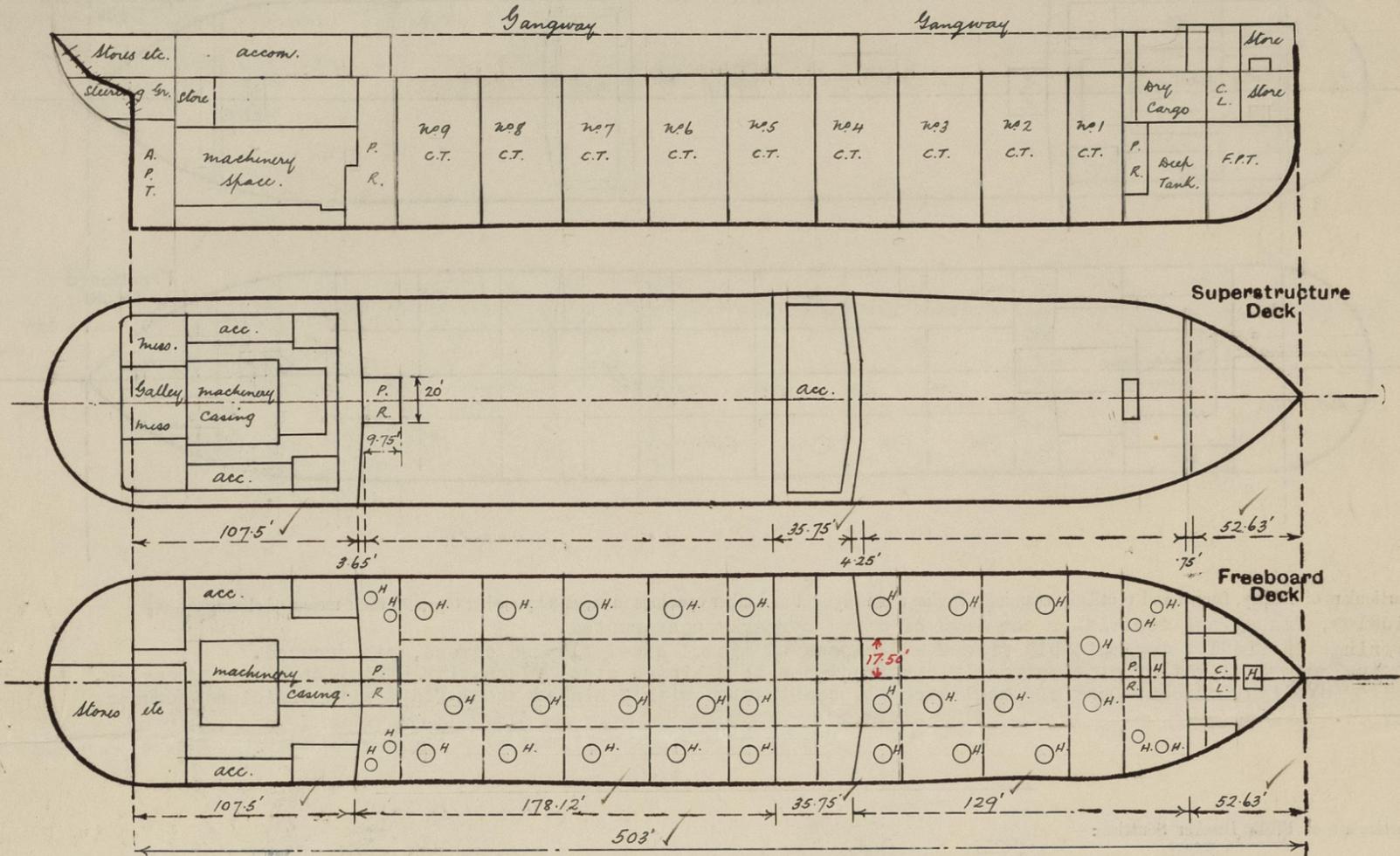
# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

### (CONDITIONS OF ASSIGNMENT.)

Ship's Name "MINERVE" ex "DONNER LAKE" Port of Survey Seattle, Washington  
 Official Number \_\_\_\_\_ Surveyor's Signature *J. Dodd*  
 Nationality and Port of Registry French, Le Havre (contemplated) Date of Survey January, 1948

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

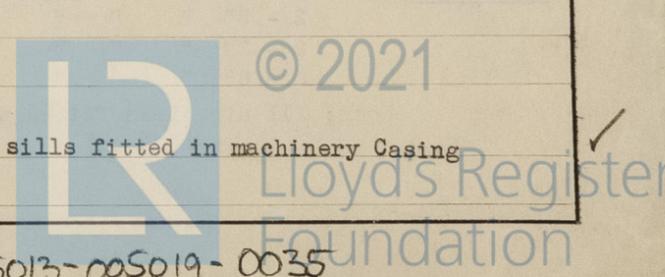


Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	-	.44" ✓	9"x4"x.44"FL.P.	30" ✓	E.W. top & bot- tom to deck	60"x28" ✓	18" ✓	8.0' ✓
Raised Quarter Deck Bulkhead ...	-	.31" ✓	O.A. INV. 4"x3"x.31"	30" ✓	E.W. to longl. top	51"x61" T.O. ✓	18" ✓	8.0' ✓
Bridge, After Bulkhead ...	-	.44" ✓	9"x4"x.44"FL.P.	30" ✓	" " " Dk. Bottom	60"x28" W.T.D. ✓	18" ✓	8.0' ✓
Bridge, Forward Bulkhead ...	-	.31" ✓	O.A. INV. 4"x3"x.38"	30" ✓	Ditto	60"x28" ✓	18" ✓	8.0' ✓
Forecastle Bulkhead ...	-	.44" ✓	9"x4"x.44"FL.P.	30" ✓	Brkts. at Top/ Sniped at Bot- tom	60"x28" ✓	18" ✓	10.0' ✓
Trunk-Aft ...								
Trunk-Forward ...								
Exposed Machinery Casings on Free- board or Raised Quarter Decks ...								
Exposed Machinery Casings on Super- structure Decks ...								
Machinery Casings within Superstruc- tures not fitted with Class I Closing Appliances ...								
Deckhouses on Flush Deck Ships ...								

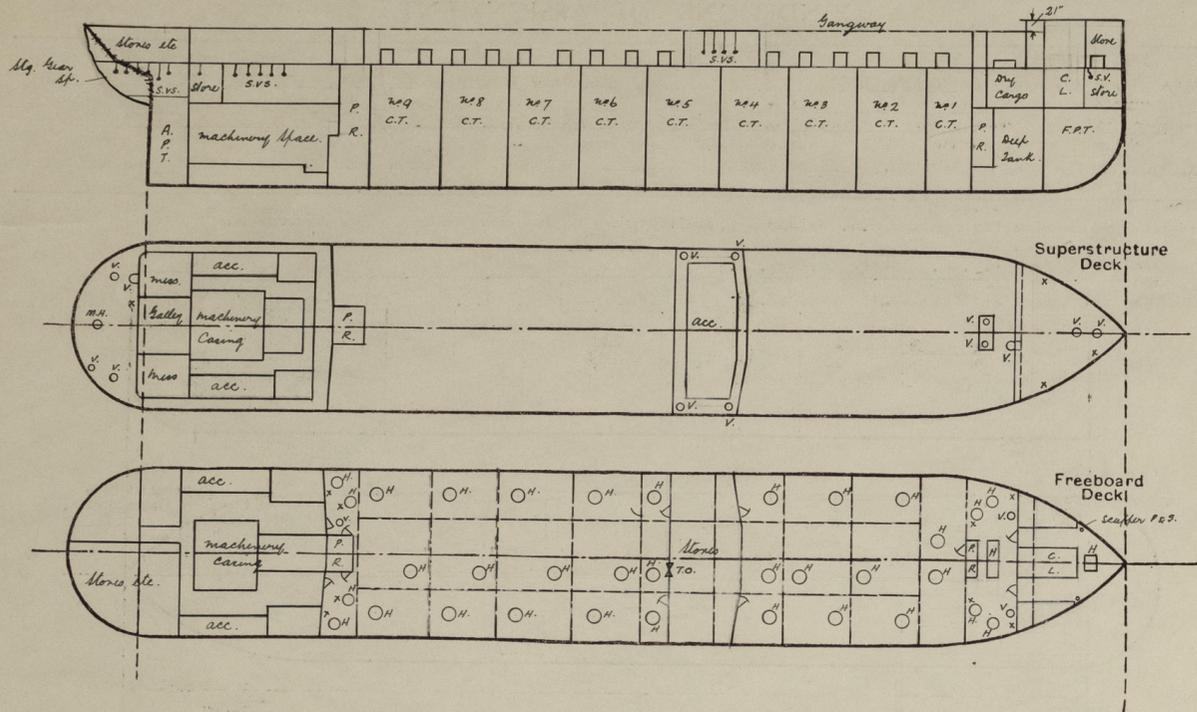
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	Steel hinged W.T. Doors (1P.1S.) capable of being manipulated from both sides. ✓
Raised Quarter Deck Bulkhead ...	Steel hinged W.T. Doors (1P.1S.) capable of being manipulated from both sides. ✓
Bridge, After Bulkhead ...	Tonnage opening with portable steel plate and hook bolts (S.S.) ✓
Bridge, Forward Bulkhead ...	Steel hinged W.T. Doors (1P.1S.) capable of being manipulated from both sides. ✓
Forecastle Bulkhead ...	Ditto ✓
Exposed Machinery Casings on Free- board or Raised Quarter Decks ...	
Exposed Machinery Casings on Super- structure Decks ...	
Machinery Casings within Superstruc- tures not fitted with Class I Closing Appliances ...	Note: Steel hinged doors (2P.2S) 66"x27" with 12" sills fitted in machinery Casings ✓
Deckhouses on Flush Deck Ships ...	in Poop Space. ✓



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 ventilator coamings of steel strongly constructed. ✓  
 Openings in fiddle top suitably framed and closed by hinged steel flanged covers, pin secured. ✓  
 Engine Room skylight of steel strongly constructed with 6 hinged steel flaps with efficient securing device. ✓  
 Galley skylight on Boat Deck of steel strongly constructed with 2 hinged steel flaps with efficient securing device. ✓

Particulars of Flush Bunker Scuttles:—

NONE ✓

Particulars of Companionways:—

Access to aft Pump Room - of .44" plating with 9"x4"x.44" flanged plate stiffeners E.W. top and bottom spaced 30" apart with steel hinged W.T. Door (P&S) 60"x26" capable of being manipulated from both sides and having 18" sill. ✓  
 Top of Pump Room entrance fitted with 2 skylights (steel) each having 2 hinged steel flaps with efficient securing device. ✓

Access to Ford Pump Room of .31" plating with 3 1/2"x2 1/2"x.31" O.A. INV. stiffeners E.W. at top and sniped at bottom spaced 28" apart with steel hinged W.T. Door (P.S.) 60"x26" capable of being manipulated from both sides and having 18" sill. ✓

Particulars of Ventilators in exposed positions on freeboard and superstructure decks:— Note: X Mushroom type vent supplied with canvas cover. ✓  
 Cowl vents fitted with steel hinged W.T. lids. ✓

Forecastle Deck

1 - 12" dia. M.V. with screw top, 36" to opening, coaming .38" to Fore Peak Store. ✓  
 1 - 12" " Cowl vent coaming 59" high (bracketted to deck) x .38" to Forecastle Store. ✓  
 1 - 12" " " .38" " 35" above Forecastle Dk and suitably stayed to Forecastle Front - to Forecastle Store (S.S.) ✓

Ford Pump Room Top

2 - 15" dia. Cowl vents coamings 36"x.38" to Pump Room (1P.1S.) ✓

Bridge Deck

4 - 12" dia. Cowl vents coamings 34"x.38" to Bridge Tween Decks (2P.2S.) ✓

Poop Deck

1 - 10" dia. vent with louvre top, closed by screw operated disc, coaming 33"x.44" to Poop Hawser Locker (S.S.) ✓  
 2 - 18" " cowl vents coamings 12'-6"x.50" suitably supported from deckhouse to Steering Gear Space (1P.1S.) ✓  
 x 1 - 12"x10" vent against deckhouse coaming 31" x .38" with canopy top fitted with heavy wire gauze in opening. ✓

Upper Deck

x 2 - 18" dia. cowl vents coaming 13' x .50 suitably supported from Forecastle Front, to Ford. Cargo Hold (1P.1S.) ✓  
 x 1 - 12" " M.V. (fixed top with heavy wire gauze in opening) coaming 12'-6"x.50" suitably supported from Pump Room House. ✓  
 to Pump Room aft (P.S.) ✓

and

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

Forecastle Deck. 1 - 4" dia. air pipe (S.S.) 30" to opening to Fore Peak Tank. ✓

2 - 2" " " pipes (1P.1S.) 24" " " " Deep Tank. ✓

Poop Deck 1 - 4" dia. air pipe (P.S.) 18" " " " Aft Peak Tank. ✓

Upper Deck 2 - 6" " " pipes (1P.1S.) 78" to opening, suitably supported to Deep Tank. ✓

2 - 3" " " " " 34" " " (46" to lip of bend) " Cofferdam Ford. ✓

2 - 3" " " " " 24" " " (38" " " " ) " " Aft. ✓

2 - 6" " " " " 55" " " suitably supported " O.F. Bunker ✓

Note: All air pipes fitted with self-closing ball valves and wire gauze. ✓

Particulars of Gangway Cargo and Coaling Ports:—

NONE

*Minerve.*

Particulars of Scuppers and Sanitary Discharge Pipes:—

All overboard scupper and sanitary discharges drain spaces situated above the Freeboard Deck and are led through shell below this deck, each fitted with storm valve at ship side except those from Bridge Deck which discharge through shell above the Freeboard Deck each fitted with storm valve at ship side. ✓

Location of overboard discharges thro' shell  
 Steering Gear Space: 1-1/2" dia. 2-2" dia. 1-3" dia. 1-4" dia. (P.S.) 1-2 1/2" dia. (S.S.)

Engineer's Store Room (P.S.): 1-2" dia.

" " and workshop (S.S.): 1-3" dia.

Boiler Room: 1-2" dia. 1-3" dia. 1-4" dia. (P.S.) 3-5" dia. (S.S.)

Engine Room: 2-3" dia. (1P.1S.) 2-4" dia. (1P.1S.)

Bridge Tween Dk. Space: 2-4" dia. 2-3" dia. (P.S.) 1-3" dia. 1-4" dia. (S.S.) ✓

Particulars of Side Scuttles:—

15" dia. side scuttles (C.B. frames) with hinged M.S. deadlights all of strong construction and fitted in Poop Space! ✓

Vertical distance of Sill of lowest Side Scuttle above top of keel All fitted above Freeboard Deck. ✓

Particulars of Guard Rails:—

F. & A. Wells: Guard rail stanchions 3'-6" high spaced about 5'-0" apart with 2 rails.

Forecastle Dk: Ditto

Bridge " : 41" high steel bulwark suitably stiffened, B.A. rail bar on fore end and sides of Bridge.

Poop " : " " " 3'-6" high spaced 3'-6" apart with 4 rails!

Particulars of Gangways, Lifelines, etc.:—

Fore and aft gangway fitted between superstructures as shown in sketch (over).

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 ... ..						
Forward Well ... ..						

OPEN RAILS IN WELLS

State position of each freeing port ... .. (After Well:—

(F. and A. position and height above deck edge) (Forward Well:—

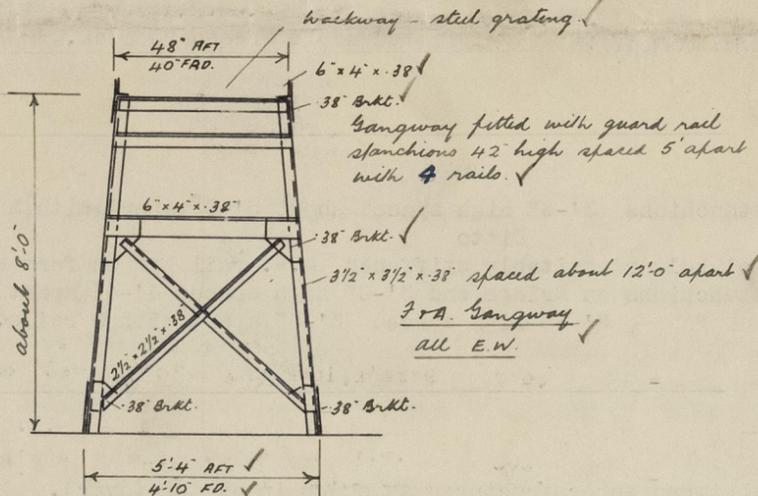
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:—

Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.								Super. Dk.
Description of Hatchway (All oil or watertight)	FREEBOARD DK.							
	Cargo oil Tanks	Deep Tank & Cofferdams	O.F. BUNKER	F.P. STORE		Cargo Hold (FD.)	Hawser Locker in Poop Space	
Dimensions of Hatchway	4'0" Dia.	2'0" Dia.	2'6" Dia.	3'x3'		15'x11'3"	18" Dia.	
COAMINGS	Height above Deck	30 1/2" ✓	21" ✓	30" ✓	30" ✓	32" ✓	Scuttle	
	Thickness	.44" ✓	.44" ✓	.50" ✓	.38" ✓	.44" ✓	Flush ✓	
	Stiffeners	-	3"x.50" ✓	-	7"x3 1/2"x.38" B.A. ✓	10"x3 1/2"x.40" B.A. ✓	with Deck	
	Brackets, Stays	-	-	-	-	-	-	
HATCH BEAMS	Number							
	Spacing							
FORE AND AFTERS	Number							
	Spacing							
HATCH COVERS	Material	Steel	Steel	Steel	Steel	.44" steel hinged lid stiffened F&A	C.S. lid wedge se-	
	Thickness	.50" ✓	.56" ✓	.44" ✓	.38" ✓	(by 5-6"x4"x.50" O.A. cured & INV. and thwartships fitted with	chain. ✓	
Spacing of Cleats						Hatch lid secured by screw toggles spaced about 21" apart. ✓		
Number of Tarpaulins	✓	✓	✓	✓	✓			
*Are wood fore and afters steel shod at all bearing surfaces?			X					
Are battens and wedges efficient and in good condition?			X					
Are tarpaulins in good condition and in accordance with rule requirements?			X					
Are lashings provided in accordance with rule requirements?			X					

Particulars of any special features:— Each cargo and O.F. Bunker hatch lid fitted with 10" and 8" dia. respectively, ullage port with steel hinged lid and securing device. ✓



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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