

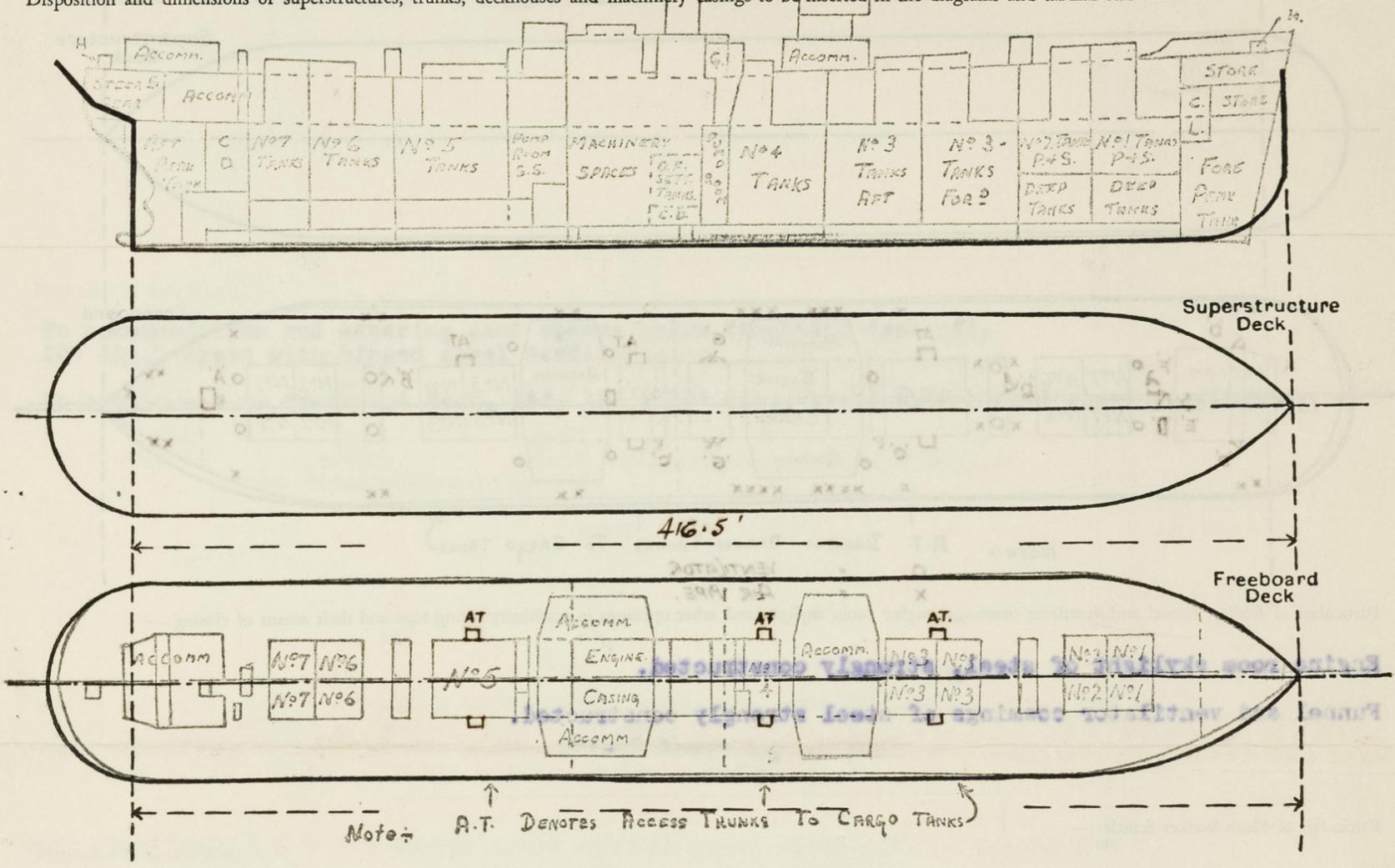
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name S.S. "WILLOWDALE PARK" Port of Survey Vancouver, B. C.
 Official Number 175369 Surveyor's Signature H. Berry
 Nationality and Port of Registry British Montreal, P.Q. Date of Survey March, 1944

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

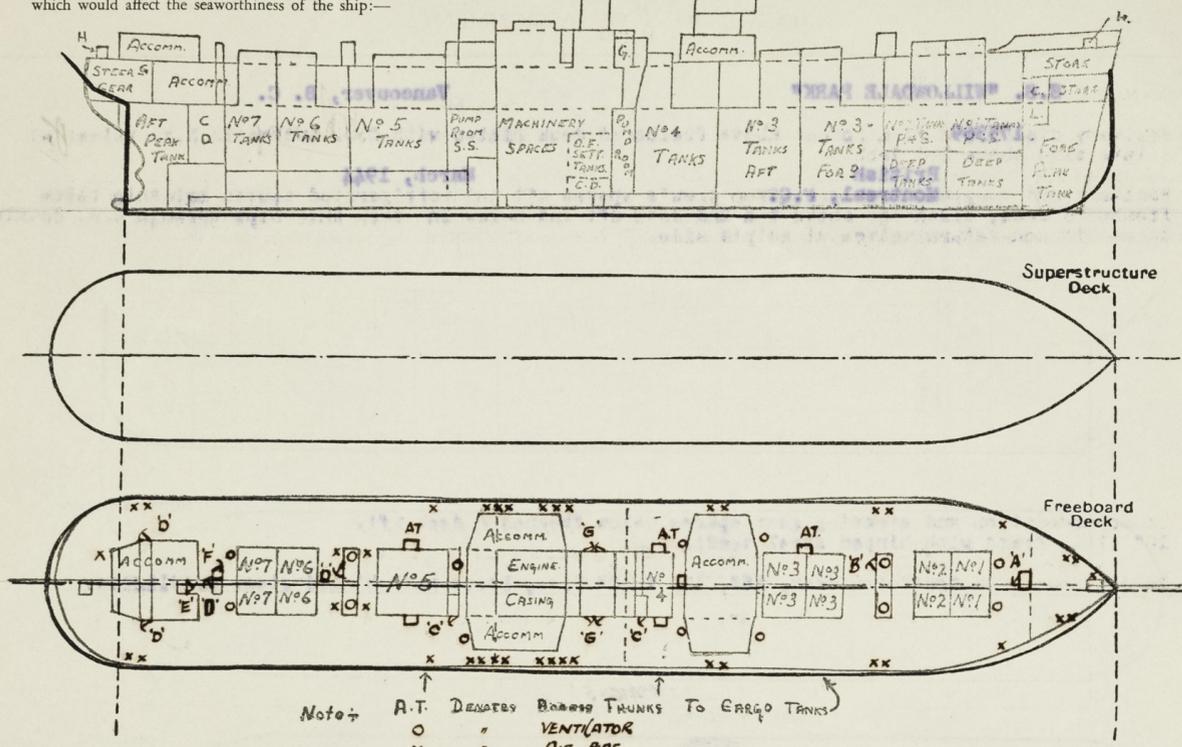


Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming Ins.	Plating Ins.	Stiffeners Ins.	Spacing Ins.	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...								
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...								
Bridge, Forward Bulkhead ...								
Mast Houses Forecastle Bulkhead ...	$\frac{3}{8}$	$\frac{3}{8}$	5 x 3 x $\frac{3}{8}$ & Div. Bhd.	30	Bracketted Top & Btm.	4'6" x 2'0" & 4'6" x 2'1 $\frac{1}{2}$ "	24"	7'-6"
Trunk, Aft ...								
Trunk, Forward ...	$\frac{3}{8}$	$\frac{3}{8}$	6x3x40 BA	30 - 27	Bktd. at top	5' x 2'		36" @ CL
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	11/32 - $\frac{3}{8}$	$\frac{1}{4}$ - $\frac{3}{8}$	3x3x5/16	30	Bktd. at top	4'3" x 3'6"	24"	7'-6"
Exposed Machinery Casings on Superstructure Decks ...								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances Saloon House front ...	5/16	5/16	5 x 3 x 5/16 & 3 Webs	33	Bktd at top & Btm.	None		7'-6"
Deckhouses on Flush Deck Ships ...	5/16	5/16	3 x 3 x 5/16	30 - 42	Bktd. top and Btm.	See Companionways		

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 ...	
Mast Houses Forecastle Bulkhead ...	Hinged steel W.T. door and wood door operated from both sides.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	Hinged steel doors, operated from both sides.
Exposed Machinery Casings on Superstructure Decks ...	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	
Deckhouses on Flush Deck Ships ...	Hinged steel and wood doors operated 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:—

Engine room skylight of steel, strongly constructed.

Funnel and ventilator coamings of steel strongly constructed.

Particulars of Flush Bunker Scuttles:—

NONE

Particulars of Companionways:—

- "A" - 4'-10 1/2" x 1'-10 1/2" cmg. 24" hinged steel w.t. door to forward magazine.
- "B" " " " " " 24" " " " to tween decks (Forward mast house).
- "C" " " " " " 24" " " " to Pump Rooms.
- "D" 4'-6" x 2'-1 1/2" " 24" " " wood doors to crew spaces aft.
- "E" 4'-10 1/2" x 1'-10 1/2" " 24" " " steel w.t. door to tunnel escape.
- "F" " " " " " 18" " " " to aft. cofferdam.
- "G" 4'-3" x 3'-6" " 24" " " double steel doors to stores.

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

- 4 @ 36" dia., cmg. 24" x 7/16" to tween decks on Mast houses.
- 4 @ 24" dia., " 5'0" x 7/16" to tween decks stayed to trunk side.
- 2 @ 18" dia., " 11'0" x 3/8" to " " " house.
- 1 @ 24" dia., " 36" x 7/16" to port cofferdam.
- 1 @ 18" dia., " 11'0" x 3/8" to aft. pump room, stayed to house.
- 2 @ 24" dia., " 5'0" x 7/16" to crew spaces stayed to trunk side.
- 4 @ 10" dia., " 36" x 3/8" to crew spaces and aft. magazine.
- 1 @ 12" dia., " 36" x 3/8" to aft magazine.
- 4 @ 6" dia., " 36" x 7/16" to crew spaces.
- 2 @ 10" dia., " 36" x 3/8" to forward store and magazine.
- 4 @ 12" x 5" Gooseneck 30" to opening to stores.

All ventilators fitted with wood plugs and canvas covers.

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

- To peaks, double bottom tanks 3 1/2", 3" & 2 1/2" dia., opening 30" above deck. Fitted with "Varec" automatic sea check valves at openings with double wire gauze.
- Deep tanks O.F. 4 @ 5" dia., opening 30" above deck.
- Settling tanks O.F. 1 @ 6" and 1 @ 4" dia., opening 30" above deck.
- F.W. Tanks 2 @ 1 1/2" dia., opening 30" above deck.
- Rudder trunk 1 @ 2" dia., opening 30" above deck.
- W C's in crew space aft. 2 @ 1 1/2" dia., opening 30" above deck.

All air pipes to O.F. deep and settling tanks fitted with double wire gauze.

All others with woodplugs or screwed caps. Cargo tanks have 4" dia. "Atmos" valve on trunk tops.

Particulars of Gangway Cargo and Coaling Ports:—

Willowdale Park.

NONE

Particulars of Scuppers and Sanitary Discharge Pipes:—

Sanitary discharges from spaces above freeboard deck fitted with C.S. automatic N.R. valves at ship's side above 2nd deck.

Sanitary and scupper discharges from crew's spaces aft and refrigerated stores amidship below freeboard deck, discharge above the 2nd deck aft and below 2nd deck amidships through C.S. double automatic non-return valves at ship's side.

Particulars of Side Scuttles:—

To accommodation and steering gear spaces below freeboard deck aft, 10" dia., brass with hinged steel deadlights.

To deckhouses on freeboard deck, 16", 12" & 10" dia., brass with hinged steel deadlights.

Vertical distance of Sill of lowest Side Scuttle, above top of keel 35'-0" above top of keel

Particulars of Guard Rails:—

Steel bulwarks efficiently stayed on freeboard deck at forward end and abreast amidship deckhouse. Elsewhere steel stanchions 3'6" in height. Spaced about 5' apart with 3 rails.

Particulars of Gangways, Lifelines, etc:—

From fore peak hatch to saloon deckhouse, saloon deckhouse to Engineers house and to after deckhouse, port and starboard.

Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
Amidships						
After Well	127'-3"	3'-6"	3'-0" x 9"	5	11.25 sq.ft.	
Forward Well						

State position of each freeing port ... { After Well:— Amidships
(F. and A. position and height above deck edge) { Forward Well:— 9 1/2" above deck edge

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— None

Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS. AND TRUNK TOP.									
Description of Hatchway	Forepeak	No. 3 Tween DK.	Aft. Pumhouse	S.G. Space	Manholes to Centre Tanks	Manholes to Side Tanks	"Butterworth Openings"		
Dimensions of Hatchway	36"x2'6"	33"x2'3"	33"x2'3"	2'0"x1'9"	12@24" Dia.	6 @ 23" x 15"	10" Dia.		
COAMINGS	Height above Deck	24"	24"	24"	24"	/			
	Thickness { Sides ... } { Ends ... }	3/8"	3/8"	3/8"	3/8"				
	Stiffeners	None							
	Brackets, Stays	None							
HATCH BEAMS	Number	/							
	Spacing								
FORE AND AFTERS	Number	/							
	Spacing								
HATCH COVERS	Material	W.T.	W.T.	W.T.	W.T.	1/2"	1/2"	1/2"	
	Thickness	3/8" Steel	3/8" Steel	3/8" Steel	3/8" Steel	Steel	Steel	Brass	
Spacing of Cleats	Number of Tarpaulins	6	5	5	4	24-3/4 Studs	24-3/4 Studs	10-3/4 Studs	
		Toggles	Toggles	Toggles	Toggles	Spaced 3" apart	Spaced 3" apart		
*Are wood fore and afters steel shod at all bearing surfaces? None 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:—

The cargo hatch openings have been plated over 3/8" plate sides, top and ends, stiffened with 6"x3 1/2"x.40 BA's spaced 30" apart to form expansion trunks to centre cargo tanks, height of coamings 36" above the upper deck at centre line. Dimensions of Expansion Trunks:— Nos. 1 & 2 = 33'9" x 20'0", No.3 = 35'0" x 20'0", No.4 = 15'0" x 20'0", No.5 = 35'0" x 20'0" & Nos.6 & 7 = 35'0" x 20'0".

The access to side cargo tanks through steel trunks P & S 30" high above upper deck.

This ship is of the closed shelter deck type "Tanker Conversion" the tonnage opening aft being closed by a riveted plate.

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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