

Lloyd's Register of Shipping.

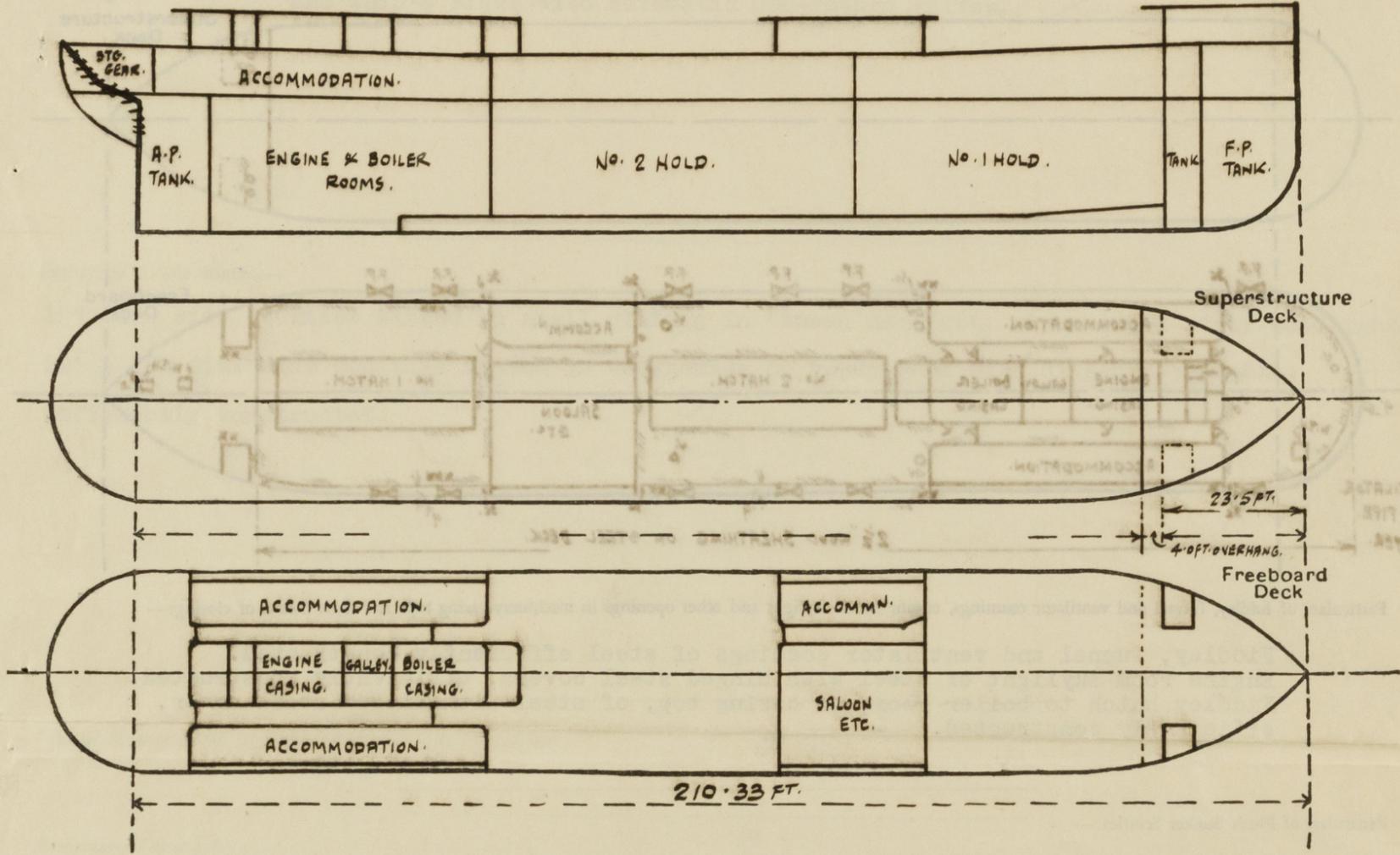
SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Index No. _____
(For London Office only).

Ship's Name **"HAIHU" ex "OTTAWA PALMER"** Port of Survey **Vancouver, B. C.**
 Official Number _____ Surveyor's Signature **R. M. Scott**
 Nationality and Port of Registry **Chinese - Shanghai** Date of Survey **During alterations in July, Aug., 1946.**

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

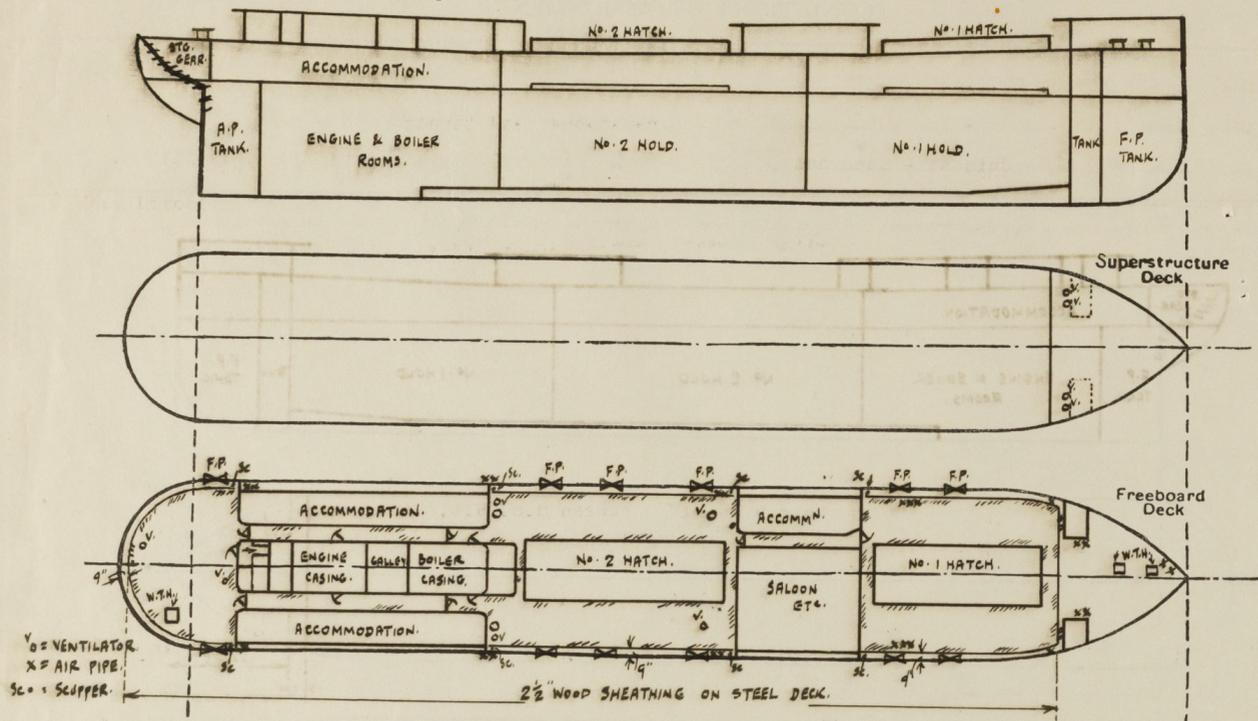


Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
After Sidehouse			$2\frac{1}{2}'' \times 2\frac{1}{2}'' \times 3$					
Peep Bulkhead (after Bhd.)		.25	{ toe welded	30" & 33"	Welded at ends	5'0" x 2'10"	18"	7'-6"
After Sidehouses Fwd.			& Div. Bhd.					
Raised Quarter Deck Bulkhead		.25	{ toe welded	26" & 30"	do	5'0" x 2'10"	18"	7'-6"
Bridge, After Bulkhead								
Saloon House			$4 \times 3 \times \frac{3}{8}$		Brackets			
Bridge, Forward Bulkhead		.31	{ toe welded	30"	Top & Btm	4'10" x 2'6"	18"	8'-0"
Forecastle Bulkhead (at sides)		.25	{ toe welded	33"	Welded at ends			7'-0"
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks		.25	$3 \times 2\frac{1}{2}'' \times .25$	24" & 27"	Top Bkts. in alt. stiff.	4'10" x 2'0"	18"	7'-6"
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).	
After sidehouse	
Peep Bulkhead after Bhd.	Hinged steel doors (in halves) capable of being manipulated from both sides ✓
After Sidehouse Fwd.	
Raised Quarter Deck Bulkhead Bhd.	do ✓
Bridge, After Bulkhead	
Saloon House	
Bridge, Forward Bulkhead	Hinged steel weathertight door, capable of being manipulated from both sides ✓
Forecastle Bulkhead	
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	Open forecastle. ✓
Exposed Machinery Casings on Superstructure Decks	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	
Deckhouses on Flush Deck Ships	

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 fiddley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Fiddley, funnel and ventilator coamings of steel efficiently constructed.
 Engine room skylight of steel with hinged steel covers, efficiently constructed.
 Fiddley hatch to boiler room, on casing top, of steel with hinged steel cover, efficiently constructed.

Particulars of Flush Bunker Scuttles:—

NONE FITTED

Particulars of Companionways:—

Entrance at after end of after Deckhouse on upper deck - opening 4'-11" x 2'-2", sill 18" above wood deck, with hinged wood door operated from both sides.

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

- Freeboard Deck - 1 @ 6" dia. coam. 33 1/2" x .31 to Steering gear compt.
 1 @ 9" " " 30" x .31 to Accommodation in 'tween dk. aft.
 2 @ 14" " " 36" x .38 to 'Tween deck.
 2 @ 18" " Derrick post with ventilator on top, to Hold.
 1 @ 22" " coam. 10'6" x .44 to Hold, efficiently stayed.
 1 @ 18" " " 36" x .44 to 'tween dk.
 1 @ 5" " Swan Neck vent - 30" to opening - to 'tween dk. store.
 2 @ 13" " coaming - 10'0" x .34 to Hold } Coamings extend 36" through
 2 @ 12" " coaming - 10'0" x .34 to 'tween dk. } Forecastle Dk. & welded to same.
 Bridge Deck - 3 @ 8" " Mushroom Vent - 24" above wood deck - to Hold & 'tween dk.
 Boat Deck - 1 @ 12" " Mushroom Vent - 12 1/2" " " " - to Accommodation in after 'tween dk.

Coaming of cowl ventilators provided with wood plug and canvas covers. Swan neck vent provided with wood plug. Mushroom vents have screwed down W.T. covers.

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

- Upper Deck:— 1 - 2 1/2" dia. - 18" to opening, to Aft Peak.
 2 - 2" dia. - 18" to opening, to Feed Tank.
 2 - 3" dia. - 21" to opening, Settling Tank.
 2 - 3" dia. - 21" to opening, to D.B. Tank.
 4 - 3" dia. - 21" to opening, to D.B. Tank.
 6 - 3" dia. - 21" to opening, to D.B. Tank and C'Dam.
 2 - 2 1/2" dia. - 21" to opening, to D.B. Tank.
 4 - 2 1/2" dia. - 18" to opening, to Upper and Lower F.W. Tanks.
 2 - 3" dia. - 18" to opening, to F.P. Tank and Aux. Ballast Tank.

Openings of air pipes provided with wood plug plus gauze to air pipes from O.F. Tanks. Snifting holes drilled in top of all air pipes on Freeboard deck.

Particulars of Gangway Cargo and Coaling Ports:—

NONE

Particulars of Scuppers and Sanitary Discharge Pipes:—

Freeboard Deck - 4 Port & Starboard - 2" dia. pipe scupper end through Freeboard Dk. and ship's sides, with open ends. ✓

Sanitary discharges from spaces above Freeboard Deck led through Freeboard Deck and ship's sides with automatic non-return valves. ✓

Particulars of Side Scuttles:—

12" dia. side scuttles fitted in shell plating in 'tween deck aft, with hinged steel deadlights.

12" & 16" dia. side scuttles fitted in deckhouses on upper deck with hinged deadlights, efficiently constructed. ✓

Vertical distance of Sill of lowest Side Scuttle above top of keel 20'-7" ✓

Particulars of Guard Rails:—

Forecastle Deck - Stanchions 2 3/4" x 5/8" - 3'-6" high with 3 rows of rails, stanchions spaced about 5'-0" apart.

Upper Deck - 3'-6" Steel bulwark with plate stays spaced about 6 ft. apart.

Particulars of Gangways, Lifelines, etc:—

Provision made for rigging lifelines between after Deckhouse, Midship Deckhouse and Forecastle, Port and Starboard.

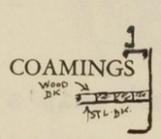
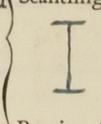
Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well (at Stern) & Midships	10'-10"	3'-6"	5'-9" x 9"	1	4.31	5.78
	63'-0"	3'-6"	5'-9" x 9"	3	12.93	12.8
Forward Well	34'-0"	3'-6"	5'-9" x 9"	2	8.62	9.9

State position of each freeing port ... At Stern @ Midships } After Well: 9" AFTER SIDINGHOSE 10'3" 12'3" 16'1" - 8' ABOVE DECK EDGE.
 (F. and A. position and height above deck edge) } Forward Well: SALOON HOUSE FRONT 4'-0" 6'-3" - 11" 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 OIL TANKS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway	No. 1	No. 2	W.T. Hatch to Stg. Gear	W.T. Hatch to Chain Locker	W.T. Hatch to Fore Peak				
Dimensions of Hatchway	28'x14'	52'x14'	2'-6" x	2'x2'	2'x2'				
COAMINGS 	Wood								
	Height above Deck	27 1/2"	18"	18"*	18"*	* =	Height	above	steel deck.
	Thickness { Sides	.44	.31	.31	.31				
	Ends	.44							
Stiffeners	9"x3 1/2" x 19.4 lbs. B.A.	5@2" dia.	-	-	-				
Brackets, Stays	2@2" dia.								
Fabricated HATCH BEAMS 	Number	5	10						
	Spacing	4'-8 3/4"	4'-9 1/4"						
	Scantling and Sketch								
	Web	13 1/4" x 3/8"	12 1/2" x 3/8"	None	None	None			
Top & Btm	7" x 5/8"	7" x 5/8"							
Bearing Surface	4"	4"							
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths								
	Scantling and Sketch								
Bearing Surface	None	None	None	None	None				
HATCH COVERS	Material	B.C. Fir	B.C. Fir	Hinged Steel	Hinged Steel	Hinged Steel			
	Thickness	2 1/2"	2 1/2"	with	with	with			
	How fitted	F. & A.F.	F. & A.F.	W.T. Cover	W.T. Cover	W.T. Cover			
	Bearing Surface	3"	3"						
Spacing of Cleats	24"	24"	hinged toggle	hinged toggle	hinged toggle				
Number of Tarpaulins	2	2							

*Are wood fore and afters steel shod at all bearing surfaces? No fore and afters fitted.
 Are battens and wedges efficient and in good condition? Yes
 Are tarpaulins in good condition and in accordance with rule requirements? Yes
 Are lashings provided in accordance with rule requirements? Yes

Particulars of any special features:—

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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