

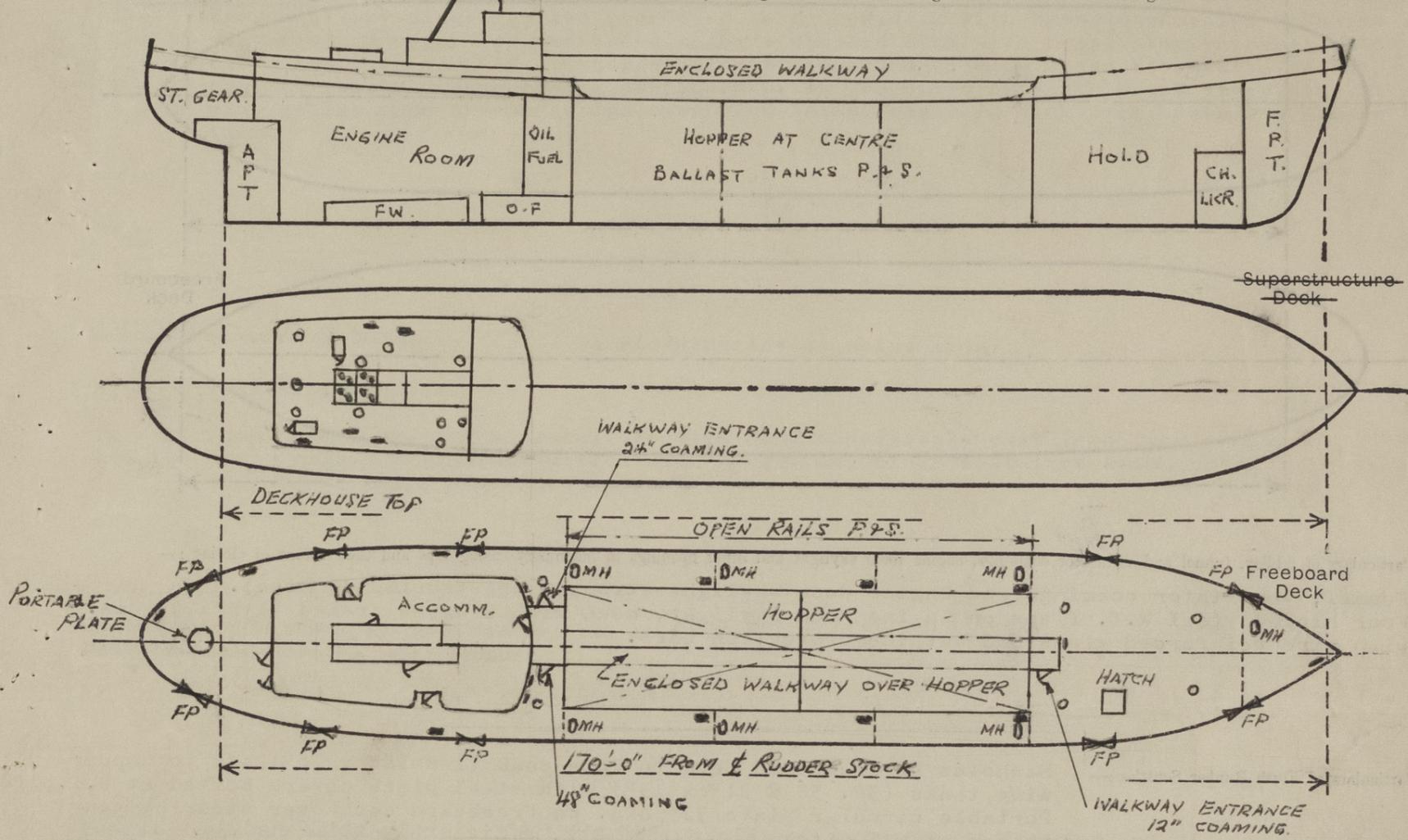
# ● LLOYD'S REGISTER OF SHIPPING

Index No. ....  
(For London Office only.)

## SURVEYS FOR FREEBOARD (CONDITIONS OF ASSIGNMENT)

Ship's Name..... CHARLES H. MCKAY. Port of Survey..... Hull.  
 Official Number..... Surveyor's Signature..... *W. Luid*  
 Nationality and Port of Registry..... Australian - Melbourne. Date of Survey..... During construction.

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

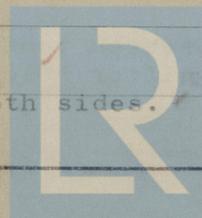


Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height, Beam to Beam
Poop Bulkhead ... ..	-	-	-	-	-	-	-	-
Raised Quarter Deck Bulkhead ...	-	-	-	-	-	-	-	-
Bridge, After Bulkhead ... ..	-	-	-	-	-	-	-	-
Bridge, Forward Bulkhead... ..	-	-	-	-	-	-	-	-
Forecastle Bulkhead... ..	-	-	-	-	-	-	-	-
Trunk, Aft ... ..	-	-	-	-	-	-	-	-
Trunk, Forward ... ..	-	-	-	-	-	-	-	-
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	-	-	-	-	-	-	-	-
Exposed Machinery Casings on Superstructure Decks ... Deckhouse	-	-	-	-	-	-	-	-
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... Sides & aft. end.	-	.30" ✓	3"x2 1/2"x.25 I.A	2'-6"	Bkt. top	4'-9"x1'-11"	18" ✓	7'-6"
Deckhouses and Pump Room Entrances Front.	-	.30" ✓ 5/16" ✓	3"x2 1/2"x.25 I.A 3"x2 1/2"x.25 I.A	2'-6" 1'-3"	E1.W. T. & B.	4'-3"x2'-0" 4'-3"x2'-0"	24" ✓ 24" ✓	7'-6"

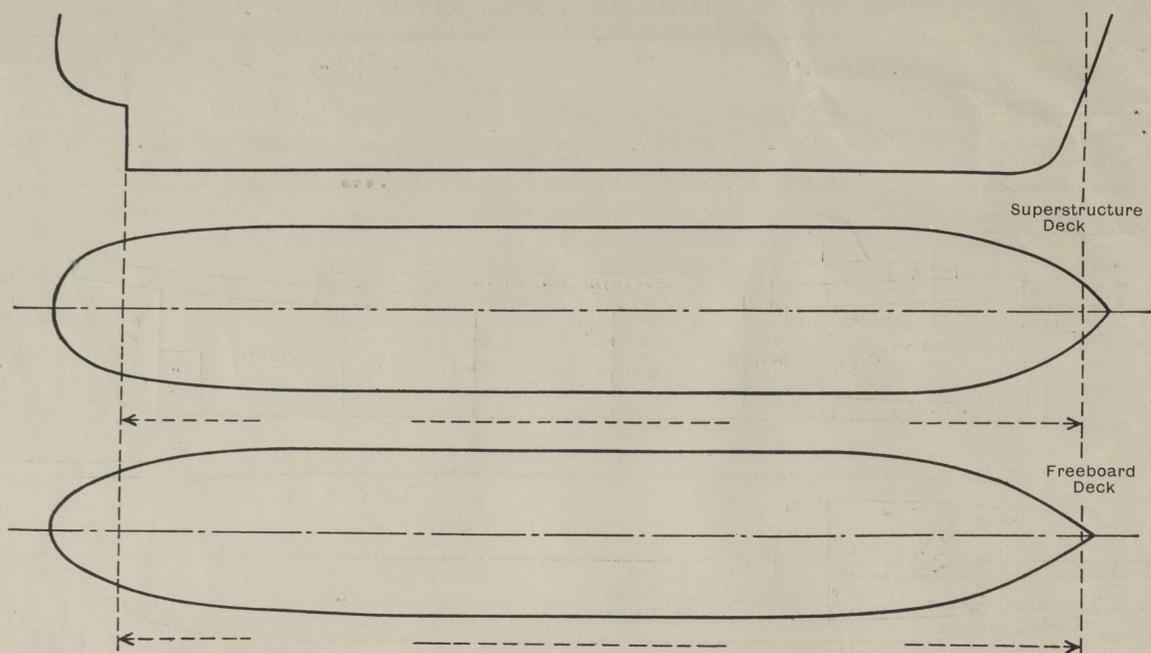
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ... ..	-
Raised Quarter Deck Bulkhead ...	-
Bridge, After Bulkhead ... ..	-
Bridge, Forward Bulkhead ... ..	-
Forecastle Bulkhead... ..	-
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	-
Exposed Machinery Casings on Superstructure Decks ... Deckhouse	-
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	Hinged steel W.T. doors operated both sides.
Deckhouses and Pump Room Entrances	Hinged hardwood doors (2" thick) operated both sides. Hinged steel door operated 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, side scuttles, scuppers, 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 :-

Funnel, ventilator coamings and Engine Room skylight strongly constructed of steel. Four hinged steel W.T. flaps on Engine Room skylight, each with 2 brass framed lights 9" dia. with wire reinforced glass and outside protection bars.

Particulars of Flush Bunker Scuttles :- Manholes on freeboard deck to Fore peak (1 @ 18" x 16") and to hopper wing tanks (3P. 3S @ 21" x 15") with steel plate covers bolted at W.T. pitch. Portable circular plate 32" dia. on freeboard deck over steering gear bolted at W.T. pitch. Plate .38" thk. efficiently stiffened.

Particulars of Companionways :- (including those incorporated in deckhouses and masthouses)

2 companionways on deckhouse top strongly constructed of steel leading to deckhouse accommodation with hinged hardwood doors and 15" steel coamings.

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

FREEBOARD DECK.

- 2 - 15" dia. cowl ventilators to Engine Room with 36" x .36" steel coamings.
- 4 - 6" dia. cowl ventilators to forward hold with 36" x .30" steel coamings.
- 1 - 5" dia. gooseneck ventilator to steering gear compartment 28" high.

DECKHOUSE TOP.

- 8 - 6" dia. cowl ventilators to deckhouse accommodation with 30" x .30" steel coamings.
- 5 - 5" dia. gooseneck ventilators to deckhouse spaces 12" high.

All ventilators supplied with wood plugs and canvas covers.

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

FREEBOARD DECK.

- 1 - 5" dia. to Fore peak tank 32" high.
- 4 - 4" dia. to oil fuel tanks 36" high.
- 2 - 4" dia. to D.B. F.W. tanks 28" high.
- 1 - 5" dia. to Aft. peak tank 28" high.
- 1 - 5" dia. to box keel 36" high.
- 6 - 10" dia. to hopper wing tanks 9" high.

Air pipes to oil fuel tanks fitted with wire gauge and provided with canvas covers. Air pipes to hopper wing tanks fitted with efficient steel screw up W.T. covers. Remaining air pipes provided with wood plugs and canvas covers.

Air pipes and gooseneck ventilator marked thus carried as high as practicable under bulwark rail bar and 1/4" dia. snifter hole drilled in top of bend.

Particulars of Gangways, Cargo and Coaling Ports :-

*Charles H. McStay.*

N O N E.

Particulars of Scuppers and Sanitary Discharge Pipes :- No overboard discharges from spaces below freeboard deck.

SCUPPERS & DISCHARGES FROM AFT. DECKHOUSE.

PORT SIDE.

- 1 - 4" dia. sanitary discharge led overboard below freeboard dk. with brass stormvalve at ships side.
- 1 - 3" dia. floor scupper led overboard below freeboard deck with brass stormvalve at ships side.
- 1 - 2" dia. washbasin discharge led overboard below freeboard deck with brass stormvalve at ships side.

STARBOARD SIDE.

- 1 - 4" dia. sanitary discharge led overboard below fbd. deck with brass stormvalve at ships side.
- 1 - 3" dia. floor scupper led overboard below freeboard deck with brass stormvalve at ships side.
- 1 - 2" dia. floor scupper led overboard below freeboard deck with brass stormvalve at ships side.
- 1 - 2" dia. washbasin discharge led overboard below freeboard dk. with brass stormvalve at ships side.
- 1 - 2" dia. galley sink discharge led overboard below freeboard deck with brass stormvalve at ships side.

Particulars of Side Scuttles and Deadlights :- No sidescuttles at ships side.

SIDESCUTTLES IN DECKHOUSE.

- 12 - 12" dia. brass opening sidescuttles with hinged malleable cast iron deadlights.
- 6 - 10" dia. brass opening sidescuttles with hinged malleable cast iron deadlights.
- 6 - 10" dia. brass fixed sidescuttles.

Vertical distance of Sill of lowest Side Scuttle above top of keel None below freeboard deck.  
Distance from amidships to centre of lowest Side Scuttle

Particulars of Guard Rails and Bulwarks :- FREEBOARD DECK. Steel bulwarks at forward and aft ends clear of hopper 3'-0" high (aft) 3'-0"/3'-6" high (forward) and .30" thick with 6" x 3" x 3/8" B.A. rail bar and 7" x 3/8" B.P. stays 5'-6" apart.  
At ships side:- 3 rows 1/4" dia. galvd. chain with drop stanchions 3'-2" high 5'-6" apart.  
ABREAST HOPPER. Around hopper:- 2 rows 1/4" dia. galvd. chain with drop stanchions 3'-2" high 5'-6" apart.

Particulars of Gangways, Lifelines, etc. :-

- Enclosed walkway of steel on centreline over hopper between deckhouse space and fore deck.
- Storm hand rail fitted around deckhouse.

Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
Aft. of hopper.	59'-6"	3'-0"	5'-0" x 1'-0"	3	Open rails 66'-0" long amidships	abreast hopper.
Forward Well ...						
Forward Well ...	44'-6"	3'-0"/3'-6"	5'-0" x 1'-0"	2		
State position of each freeing port ...			From A.P. on A.P; 22'-0"; 44'-0"			
(F. and A. position and heights above deck edge)			From F.P. Forward Well:- 12'-0"; 34'-0".		Nil 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.			Freeing ports open slots with 1" dia. M.S. horizontal protection bars.			

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.

Description of Hatchway		To For'd.							
Dimensions of Hatchway		4'-6" x 4'-6"							
COAMINGS	Height above Deck	24"							
	Thickness { Sides	.38"							
	{ Ends	-							
	Stiffeners { Sides	-							
{ Ends	-								
HATCH BEAMS	Number	None.							
	Spacing								
	Scantling and Sketch								
	Bearing Surface								
FORE AND AFTERS	Number	None.							
	Spacing								
	Unsupported Lengths								
	Scantling* and Sketch								
Bearing Surface									
HATCH COVERS	Material	W.W.							
	Thickness	2 1/2"							
	How fitted	F.&A.							
	Bearing Surface	3"							
Spacing of Cleats	21"								
Number of Tarpaulins	2								

\*Are wood fore and afters steel shod at all bearing surfaces? -  
 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? 1 locking bar.  
 Are wood covers fitted with galvanised end bands? Yes.

Particulars of any special features:— (Timber Deck-cargo Fittings, Skylights, Sewage Systems, Ash Ejectors, Rubbish Shoots, etc.)