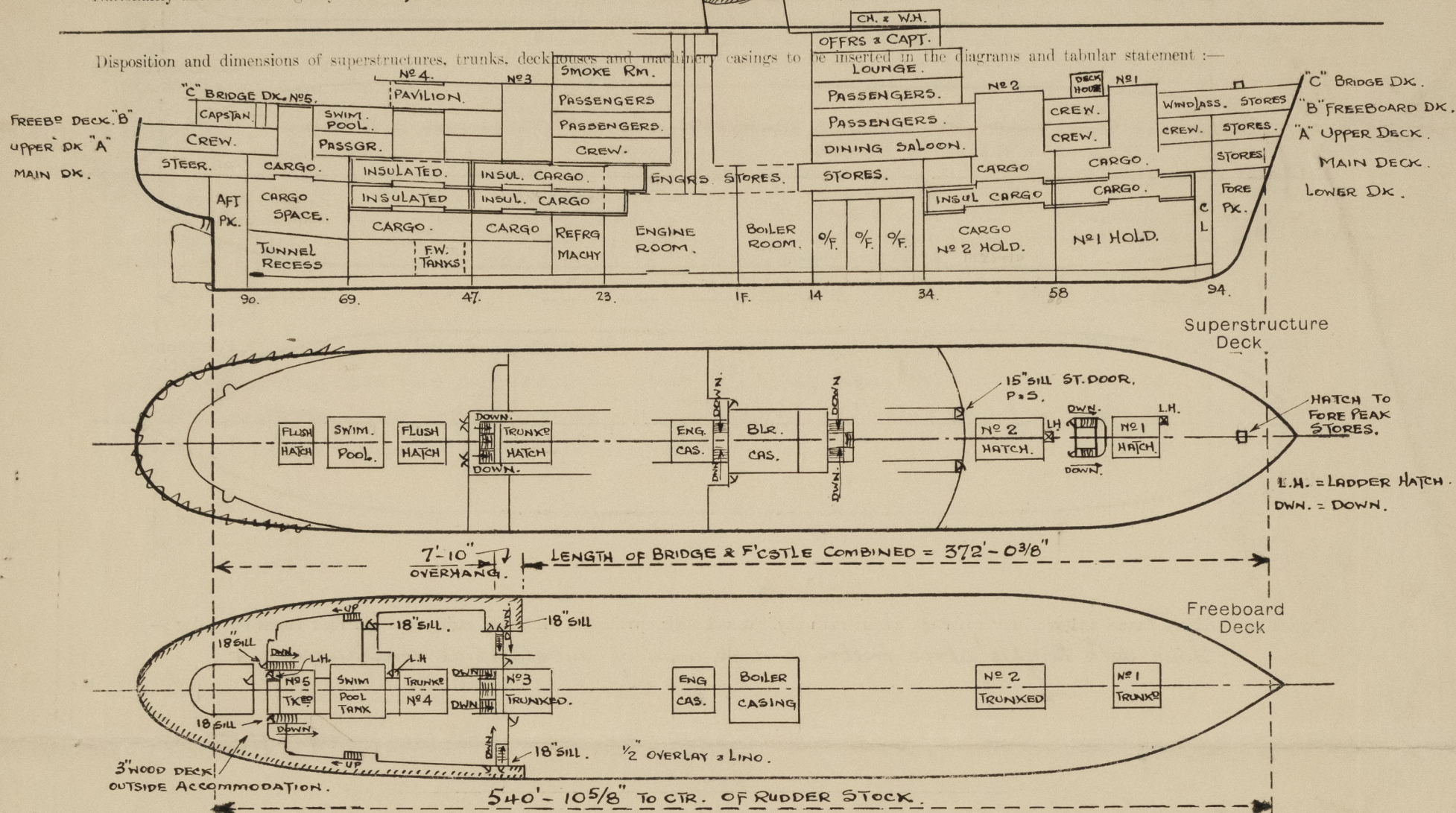


# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

### (CONDITIONS OF ASSIGNMENT.)

Ship's Name "RHODESIA CASTLE" Port of Survey BELFAST.  
 Official Number 184515 Surveyor's Signature A.S. Fletcher  
 Nationality and Port of Registry BRITISH. - LONDON. Date of Survey DURING CONSTRUCTION.



	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ... ..	✓							
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ... ..	38"	38"	6" x 3" x 30" BA.	30"	Welded top & bottom.	6 @ 5'-3" x 30" 2 @ 5'-6" x 30" 7 @ 5'-9" x 30"	18" 12"	8'-6"
Bridge, Forward Bulkhead ... ..	38"	38"	7" x 3" x 40" BA	30"	- do -	2 @ 5'-6" x 33"	15"	8'-6"
ON SUPERSTRUCTURE DECK } BRIDGE AFTER Bulkhead ... .. } ON SUPERSTRUCTURE DECK. }	32"	30"	4" x 2 1/2" x 38" BA	30"	- do -	2 @ 6'-0" x 5'-0" 2 @ 6'-0" x 2'-3"	9 1/2" 6"	8'-6"
Trunk, Aft ... ..	✓							
Trunk, Forward ... ..	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	not	exposed						
Exposed Machinery Casings on Superstructure Decks ... ..	not	exposed						
Machinery Casings within Superstructures not fitted with Class I Closing Appliances <b>BRIDGE SPACE</b> ...	40"	30"	4" x 3" x 46" OA	every frame	continuous	no openings.		8'-6"
Deckhouses on Flush Deck Ships ...								

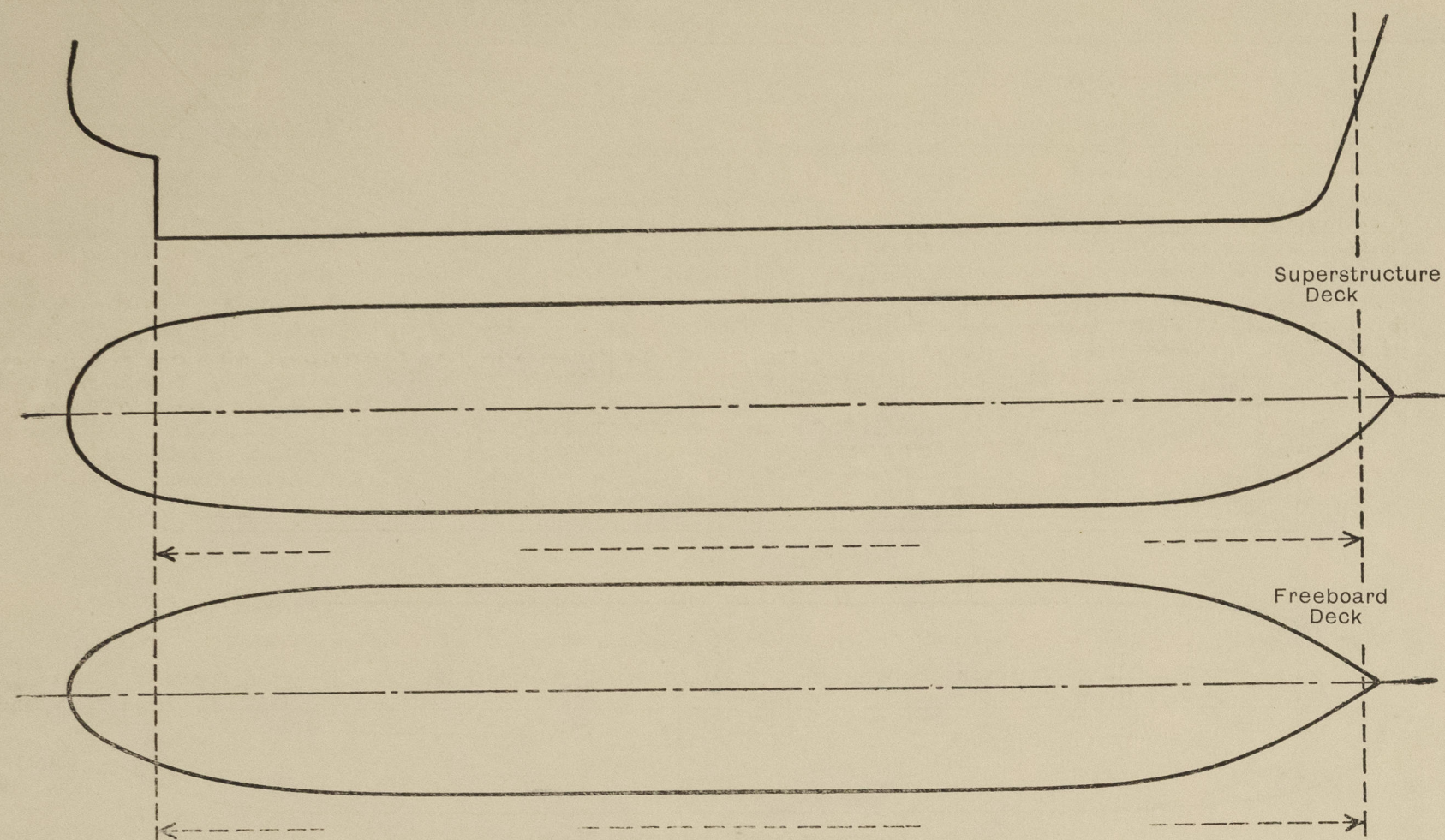
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ... ..	✓
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead (GIVING ACCESS TO STAIRWAYS LEADING BELOW FREEBOARD DECK).	Hinged solid teak doors, operated from both sides. ✓
Bridge, Forward Bulkhead ON SUPERSTRUCTURE DECK.	Hinged steel H.T. doors operated from both sides. ✓
BRIDGE AFT Bulkhead ON SUPST. DK.	Hinged solid wood doors, operated from both sides. ✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	no openings.
Exposed Machinery Casings on Superstructure Decks ... ..	no openings.
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	no openings.
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 fidley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Four deck heights above freeboard deck and of substantial construction.

Particulars of Flush Bunker Scuttles:—

None.

Particulars of Companionways:—

Deckhouse on Superstructure deck forward, situated between No 1 & 2 hatchways, strongly constructed & stiffened, with companion entrances at after end of house p.s.s. leading to crew's quarters below, door opening 5'3" x 30" with 15" sill above wood deck, with hinged steel doors operated from both sides. Trunk built inside aftermost end of Bridge end (p.s.) giving access to No 5 hold 2'9" x 2'6" x 36" plating, strongly constructed and carried up to height of bridge deck. Opening in bridge end 5'0" x 24" with 18" sill above wood deck & closed by steel hinged door operated from both sides. Deckhouse on freeboard deck aft, forming continuation of Bridge end, protecting stairways leading below freeboard deck. House strongly constructed and stiffened, openings in sides 1 @ 5'6" x 30" with 14" sills p.s.s., 1 @ 5'3" x 30" with 20" sills p.s.s. & 1 opening p.s.s. in after end 5'3" x 30" with 20" sills above wood decks and closed by 2" thick solid wood doors operated from both sides. Bridge on Superstructure deck, protecting stairways leading to Accom on Freebd dk. has 2 openings in front bulkhead with 15" sills above wood dk and in after bulkhead 2 @ 9 1/2" sills (double doors) & 2 @ 6" sills. Sills in openings of Deckhouses on 2<sup>nd</sup> & 3<sup>rd</sup> Superstructures decks above freebd deck are 6" high above wood decks.

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

Freeboard deck (Shade Deck "B" aft) 20 Tyffe type vents 16" x 14" x 36" high coaming 32" thick  
8 " " " 20" x 14" x " " " 34" " "  
Bridge & Forecastle deck 8 " " " 20" x 14" x " " " 34" " "  
18 " " " 16" x 14" x " " " 32" " "  
3 " " " 12" x 14" x " " " 30" " "  
3 " " " 8" x 5" x " " " 30" " "

Mechanical ventilation provided to passenger spaces, exposed trunks of substantial construction and intakes thro' sides of houses on freeboard deck aft coamings 5'6", and Deckhouse on Superstructure deck forward with 3'6" to 6'6" coamings and openings fitted with spray light жалюзиs.

All Tyffe ventilators provided with canvas covers.

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

On Freeboard deck aft:— 1 @ 4" dia & 15 @ 2 1/2" dia height 33" to Rudder trunk and No 6, 7, 8 O.B. tanks, After Peak and tunnel J.W. tanks.  
8 @ 2 1/2" dia from O.B. boppers and Drain tank in Boiler room, with bends to just below freeboard deck and discharges thro' ship's side with open bends above 1<sup>st</sup> deck below freeboard deck.  
On first Superstructure deck:— 7 @ 2 1/2" dia height 33" to No 1 & 2 O.B. tanks, 3 @ 2 1/2" dia height 33" to Fore peak & with 2 1/2" storm valve below freeboard deck at ship's side.  
On 2<sup>nd</sup> Superstructure deck:— 4 @ 2 1/2" dia height 16" to No 6 & 7 O.B. tanks.  
Air pipes from Oil fuel deep bunkers and from O.B. tanks No 3, 4 & 5 led to common air & overflow mains with air & vapour escape near top of funnel.

All air pipes provided with wood plugs or gauge wire and canvas covers.

Special feature:— Bulkhead deck is first below Freeboard deck.

Particulars of Gangway Cargo and Coaling Ports:— Passenger Entrance door above freeboard deck p.s.s. frames 21 1/2 to 24 1/2 F, opening 8'7" x 6'9" with double hinged W.T. doors.  
Stores Entrance door in 1<sup>st</sup> tween deck below freebd. deck p.s.s. frames 13/15 F, opening 4'1" x 6'6" with single hinged W.T. door.  
Oil filling station door in 1<sup>st</sup> tw. deck below freebd. deck p.s.s. frames 10 1/2/11 1/2 F port, & 7 1/2/9 1/2 starbd, opening 5'8" x 6'6" with single hinged W.T. door.  
The shell doors are all of strong construction, steel plating .62" thick and framed & stiffened by angles, secured by toggles and made W.T. by rubber joining. In addition strongbacks are fitted.

Particulars of Scuppers and Sanitary Discharge Pipes:— Steering gear space drains to transom space with 2" copper pipe from transom space to tunnel well, with lever weighted cock on after peak bulkhead. Fore peak spaces drain to Drain Pt. p.s.s. on 2<sup>nd</sup> deck below freeboard deck and are discharged overboard by 1 1/2" Semi-rotary pump situated below freebd. dk. and led overboard above freebd. deck with bend 6'0" above freeboard deck. Galley slop shoot (ss) and Rubbish shoot (ps) situated below freeboard deck led overboard below freeboard dk with open bends, but fitted with 1/2" cover & back balanced non-return flap valves at inboard ends. Scuppers from exposed positions on freeboard and superstructure decks above, led overboard below freebd dk thro' open bends. Discharges from Hospital & Laundry on freebd dk aft, are led overboard independently with storm valves at ship's side. Scuppers & Bathroom discharges from Accommodation spaces on freebd deck & above, also from decks below are led into common main p.s.s. in 2 groups, one forward & one aft. The Sanitary discharges are led into a separate soil main p.s.s. These mains pass through 1/2" Bulkheads with sluice valves operated from above 1<sup>st</sup> deck below freeboard deck and are led to sewage tanks port & starbd below L.W.L. the forward group situated aft of No 2 Hold and the After group in shaft tunnel space, and then overboard by means of elec driven pumps, duplicated p.s.s. and both forward & aft. The Pump discharge pipes from the sewage tanks are carried above L.W.L. and then discharge underwater with sluice and non-return valves at Pump, worked locally and screw lift storm valve at ship's side operated from 1<sup>st</sup> deck below freeboard deck. Arrangements are also made for working the system of mains by gravity discharge with a Bye-pass sluice valve worked locally, fitted in the overboard discharge lines. Scuppers & discharges from main & bilge galleries on 1<sup>st</sup> deck below freebd. deck amidships are led overboard independently with storm valves at ship's side & geared to above 1<sup>st</sup> deck below freeboard deck (Bulkhead deck).

Particulars of Side Scuttles:—

In first tween deck below freeboard deck 16", 14", 12" dia hinged sidelights with C.S. hinged deadlights.  
Between freeboard deck and Superstructure deck 15" x 12" dia hinged sidelights with C.S. " "  
In Bridge space on Superstructure deck rectangular windows in strong brass frames arranged to take portable shutters. Eight shutters supplied.

Vertical distance of Sill of lowest Side Scuttle above top of keel 40' - 0"

Particulars of Guard Rails:—

On Bridge & Forecastle deck forward & after ends clear of Bridge side 3'10" high, 5 rails, stanchions spaced about 4'6" apart.  
On Prom. deck at sides & aft end 3'9" high, 5 rails, stanchions spaced about 4'6" apart.  
On aftermost 12'0" of Freeboard deck 3'9" high, 5 rails, stanchions spaced 5'0" apart.

Particulars of Gangways, Lifelines, etc.:—

None provided owing to limited draught.

Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
ON FREEBOARD DECK After <del>Well</del> ... ..	184' - 0"	3' - 8"	72'0" open rails aft p.s.s.	N/L.	264 sq ft.	/
ON SUPERSTRUCTURE Forward <del>Well</del> DECK. ...	180' - 0"	3' - 8"	open rails	✓	✓	✓
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.										
BRIDGE & FORECASTLE DECK.					FROM DK. "D"		FREEBOARD DECK.			
Description of Hatchway	...	...	...	...	Nº 1 & 2 LADDER HATCHES.	FORE PEAK STORES	Nº 3	Nº 4.		
Dimensions of Hatchway	...	...	...	...	22'-6" x 16'-0"	33'-0" x 16'-0"	24'-9" x 16'-0"	19'-3" x 16'-0"	2'-6" x 2'-0" (2 OFF)	3'-0" x 3'-0"
COAMINGS	Height above Deck	...	30"	30"	FLUSH	FLUSH	30"	6"	22'-0" x 16'-0"	24'-9" x 16'-0"
	Thickness	...	.44"	.44"	.44"	.44"	.44"	.44"	FLUSH	FLUSH
	Stiffeners	...	8" x 3 1/2" x 46" BA	8" x 3 1/2" x 46" BA	SUNK BELOW DECK LEVEL	SUNK BELOW DECK LEVEL	SUNK BELOW DECK LEVEL	SUNK BELOW DECK LEVEL		
	Brackets, Stays	...	6" x .44" B.P.	6" x .44" B.P.						
HATCH BEAMS	Number	...	4	7	5	3	4	5		
	Spacing	...	4'-6"	4'-1 1/2"	4'-1 1/2"	4'-9 3/4"	4'-4 1/5"	4'-1 1/2"		
	Scantling and Sketch	...	Web plates 14" x .40"	13" x .40"	11" x .36"	11" x .36"	Web plates 11" x .36"	11" x .36"		
	Bearing Surface	...	8" x .48"	8" x .50"	8" x .54"	8" x .54"	T. & B. PLATES. 8" x .54"	8" x .54"		
FORE AND AFTERS	Number	...								
	Spacing	...								
	Unsupported Lengths	...								
	Scantling* and Sketch	...								
HATCH COVERS	Material	...	W.P.	W.P.	W.P.	W.P.	STEEL LID	STEEL	W.P.	W.P.
	Thickness	...	2 1/2"	2 1/2"	2 1/2"	2 1/2"	.36"	.42"	2 1/2"	2 1/2"
	How fitted	...	F & A.	F & A.	F & A.	F & A.	HINGED	HINGED	F & A.	F & A.
	Bearing Surface	...	3 1/2"	3 1/2"	3 1/2"	3 1/2"	WATERTIGHT.	WATERTIGHT.	3"	3"
Spacing of Cleats	...	...	24"	24"	24"	24"	18"	RUBBER JOINTED 10 TOGGLES.	24"	24"
Number of Tarpaulins	...	...	2	2	2	2			2	2
*Are wood fore and afters steel shod at all bearing surfaces? none 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:— Bulkhead deck is first below freeboard deck.

The flush hatchways at Nº 4 & 5 on first superstructure & Nº 3 & 4 on second superstructure decks are trunked to the first deck below freeboard deck, and have steel troughs efficiently drained by scuppers, port & starbd, which are led overboard through open bends. In addition false decking is fitted at hatchway in steel angle frames and secured to the deck by brass studs. See above for particulars of tarpaulins and battening arrangements for these hatches.

The scantlings for this vessel are arranged for a freeboard corresponding to an all seasons draft of 28'-1" med.



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