

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

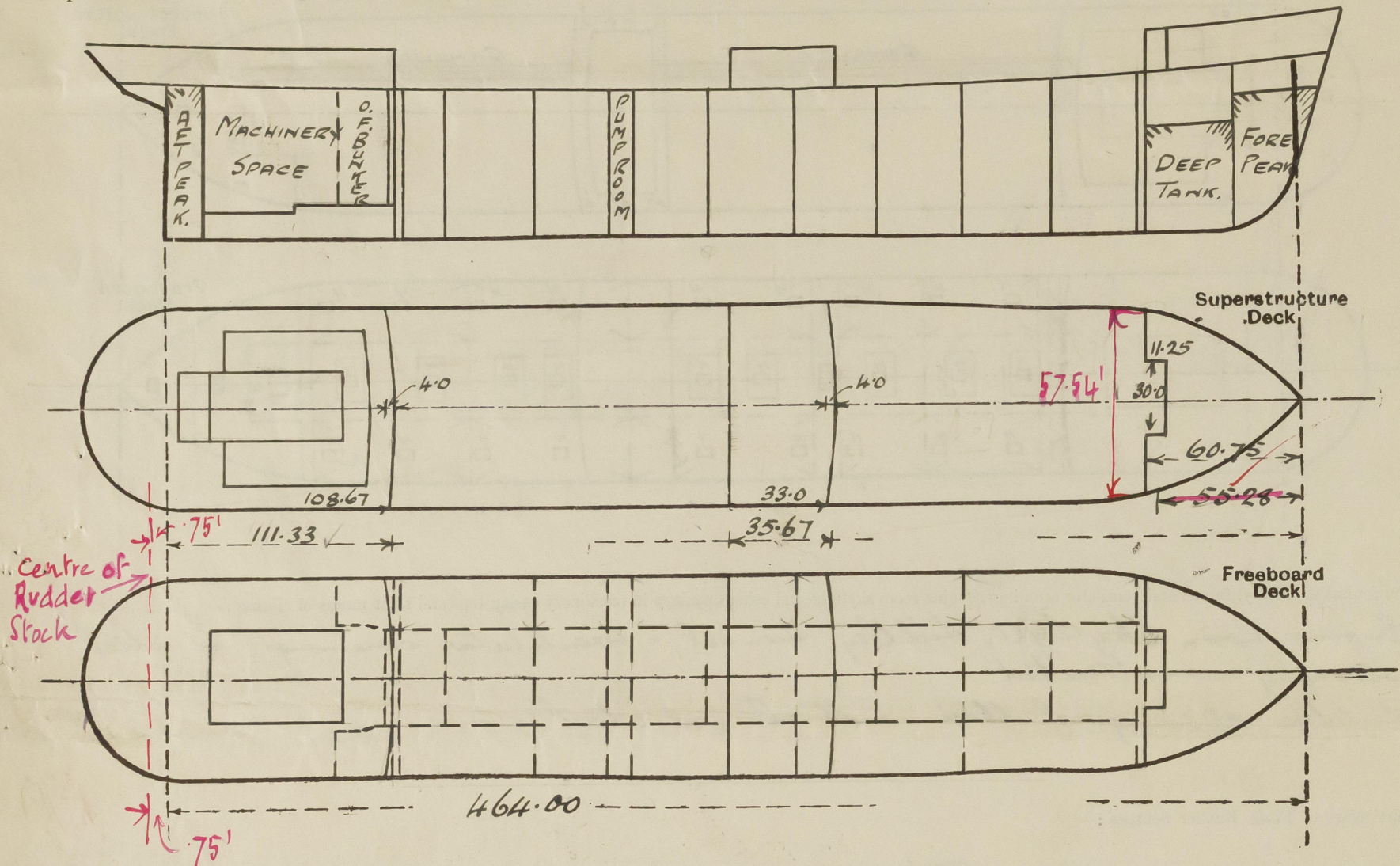
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N<sup>o</sup> 33.028Ship's Name *EMPIRE SILVER*Port of Survey *Sunderland*

Official Number

Surveyor's Signature *W. J. O'Keefe*Nationality and Port of Registry *BRITISH.*Date of Survey *While Building*

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	44	10x3 1/2 x 7/16 L	30"	Lugged top welded bottom	1 @ 5'-1 1/2" x 4'-1" (a) 2 @ 4'-6" x 2'-3" (b)	18"	8'-0"
Raised Quarter Deck Bulkhead ...	✓	✓						
Bridge, After Bulkhead ...	32	32	5x3 x 5/16 O.A.	36"	Riveted to Boundary	2 @ 4'-1" x 3'-1" (a) 1 @ 4'-6" x 2'-0" (b)	18"	8'-0"
Bridge, Forward Bulkhead ...	46	46	10x3 1/2 x 7/16 L	36"	Lugged top welded bottom	1 @ 4'-6" x 2'-0"	18"	8'-0"
Forecastle Bulkhead ...	30	30	5x3 x 5/16 O.A.	27", 30", 33"	Riveted to Boundary	2 @ 4'-1" x 2'-1" (a) 1 @ 4'-6" x 2'-6" (b)	16"	8'-0"
Trunk, Aft ...	✓	✓						
Trunk, Forward ...	✓	✓						
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓	✓						
Exposed Machinery Casings on Superstructure Decks ...	25	25	3x3 x 5/16 O.A.	31"	continuous	5'-0" x 2'-1"	20"	10'-3"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓ 25	✓ 25	4x2 1/2 x 1/40 A	31"	continuous	5'-0" x 2'-0"	15"	8'-0"
Deckhouses on Flush Deck Ships ...	✓	✓						

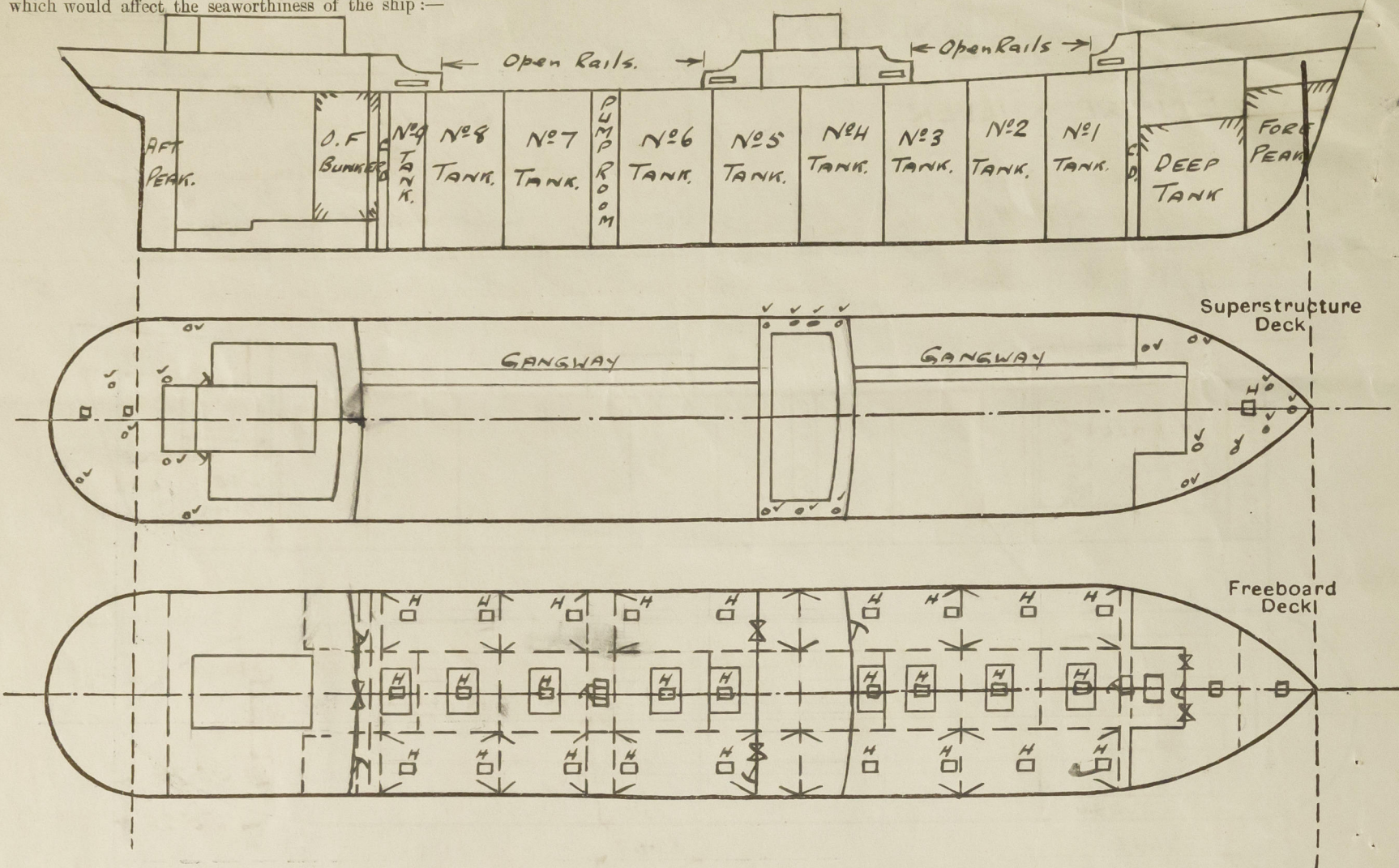
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ...	(a) 3 1/2" shifting boards in full height riveted channel (b) "hechan" Hinged W.T. doors operated from both sides
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	(a) 2 1/2" shifting boards in full height riveted channel (b) "hechan" Hinged W.T. door operated from both sides
Bridge, Forward Bulkhead ...	hechan Hinged W.T. door operated from both sides
Forecastle Bulkhead ...	(a) 2 1/2" shifting boards in full height riveted channel (b) hechan Hinged W.T. door operated from both sides
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Superstructure Decks ...	25" hinged steel door operated from both sides
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓ Two hinged steel doors manipulated from both sides
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:—

Engine Room Sky light, Liddley, Tunnel, & ventilator coaming of steel strongly constructed. ✓  
Liddley openings fitted with hinged steel covers. ✓

### Particulars of Flush Bunker Scuttles:—

NONE.

Particulars of ~~Companionways~~ :- PUMP ROOM ENTRANCES :-

To Office Pump Room 6'-6" x 18'-0" with 2 deck openings 6'-6" x 5'-0", plating 32, stiff 6' x 3 1/2" x 5/16" L spaced 30"  
top plating 30" beam, 5' x 3' x 25' L, 2 skylights 4' x 3', coaming 8' x 40", 40" hinged covers with 10-toggles.  
Access door 4'-6" x 2'-3" with hecker type W.T. door 18" coaming.  
To Ford Pump Room 4'-0" x 6'-0", deck opening 4'-0" x 3'-0", plating 32, stiff 5' x 3' x 25' L with hecker type access  
door 4'-0" x 2'-0", 18" coaming. Top plate 30" with skylight 2'-0" x 3'-6", coaming 8' x 40", 40" cover with 8-toggles.

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

<u>SELF DECK</u>			
3-6" V	to	Self Lucea Deck Coaming	36" x 30" ✓
1-8" V	"	Stone	36" x 30" ✓
2-10" V	"	Self Lucea Decks	36" x 32" ✓
2-10" V	"	Holds with Groatight Cover	Coaming 36" x 32" ✓
<u>BRIDGE DECK</u>			
7-6" V	to	Bridge Lucea Deck Coaming	30" x 30" ✓
<u>POOP DECK</u>			
5-6" V	to	Poop Lucea Decks	30" x 30" ✓
2-10" V	"	"	20" x 32" ✓

UPPER DECK, 1-10" V to Ford Pump Room with Gastight Cover opening 36" x 32"

P. 75, 5" G.N.V. to Crew Spaces in Poop Tween Deck, on Poop Deck, 18" to Lip.  
24" DP. Vent to After Pump Room. Same. 140"

24" Vent. (except Gastight ventilator) fitted with wood plugs & canvas covers.  $\sqrt{20.6 \times 140}$  stayed.

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

Serials of	Air Pipes in exposed positions on masts, or funnel, or superstructure deck.	Remarks
G.N. 1	Fore Peak Tank on Deck	18" to lip.
"	Deep Tank	18" to lip.
"	Cofferdam	Upper 36"
"	After " on Upper Deck	9-0"
"	O.F. Bunkers on " Deck	9-0"
"	Fore D.B. Tank	18"
"	D.B. Cofferdam	18"
"	After D.B. (Feed) Tank	18"
"	After Peak Tank	18"
"	After F.W. Tank	18"

Air pipes fitted with wood plugs or gauze and canvas covers.

Particulars of Gangway Cargo and Coaling Ports:—

None.

Particulars of Scuppers and Sanitary Discharge Pipes :—

2-2½" 2-3" discharges Port side, from Poop Lucca Sech, with N.R.V. ✓  
1-6", 1-5", 4-2½", 1-3", 1-2" " Starboard " " " " " " ✓  
1-3½" Magazine drain led to Rudder Trunk with S.D. N.R.V. controlled from deck. ✓  
8-6"x5" scuppers each side to drain Upper Deck cut in stinger's angle. ✓

Particulars of Side Scuttles :—

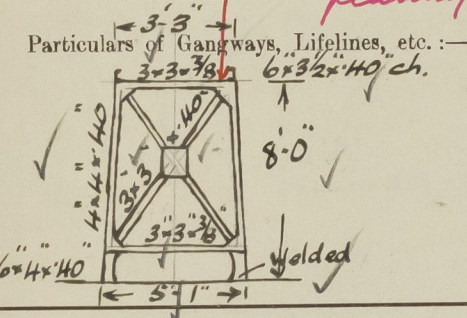
10" dia sidelights to Prop & Bridge Loco Deck, fitted with substantial hinged deadlights. ✓

Vertical distance of Sill of lowest Side Scuttle above top of keel 39-3 ✓

Particulars of Guard Rails :—

Particulars of Guard Rails:—  
In Wells and 59'-3", Gt 74'-5" Rails 4'-0" high, 3 rows, stanchions  $2\frac{1}{2} \times \frac{1}{2}$ " spaced 5'-0"  
Pass Deck 3'-9", Bridge Deck & Lcde Deck 3'-6" high, 3 rows, stanchions  $2\frac{1}{2} \times \frac{1}{2}$ " spaced 5'-0"

Particulars of Gangways, Lifelines, etc. :—



Continuous Gang-way from Pier to Bridge, & Bridge to T<sup>ch</sup> ✓  
with Rail 3'-6" high, 2 rows, stanchions 5'-0" apart. ✓  
Gangway supports not exceeding <sup>8'-0"</sup>~~5'-0"~~ apart. ✓  
Fore & Aft Bracing 3 off forward, 4 off aft. ✓

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 ... ..	FOR <sup>d</sup> 36'-0" AFT 35-11	4'-0"	8'-0" x 9"	4	24 ft <sup>2</sup>	open rails for 1/2 length of wells.
Forward Well ... ..	FOR <sup>d</sup> 27'-9" AFT. 28'-3"	4'-0"	8'-0" x 9"	4	24 ft <sup>2</sup>	

State position of each freeing port ... .. { After Well :—  
(F. and A. position and height above deck edge) { Forward Well :— *12" above deck.*

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

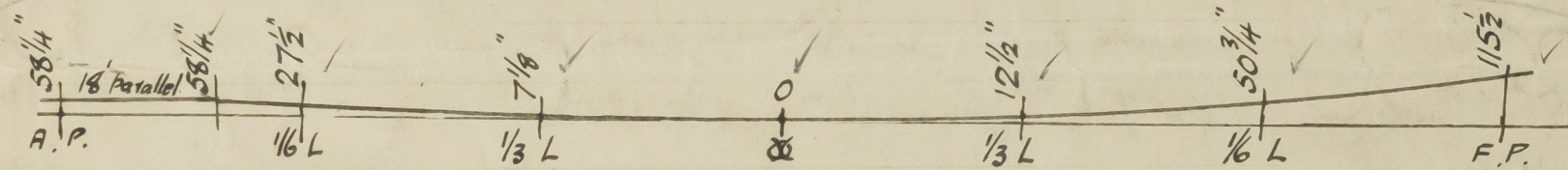
Additional area where sheer is less than standard.



PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.	
Description of Hatchway	... .. <u>FREEBOARD DECK.</u>
Dimensions of Hatchway	... .. <u>To CENTRE TANKS 3@10'x18', 6@10'4"x18' Coaming 30"x44" with 7x3x3/8" L stiff on ends</u>
COAMINGS	Height above Deck ... <u>Riveted Lap Plate 38" with stiff 2 8x3 1/2 x 35" L spaced 27"</u> Thickness ... <u>Access Hatch in Lap Plate 6'x4', coaming 8x3 1/2 x 35" L, 60" hinged O.T. cover</u> Sides ... <u>16 toggles spaced 13 1/2 x 15" apart.</u> Ends ... Stiffeners ... Brackets, Stays ... <u>To WING TANKS, 18 @ 4'6"x3'6" Coaming 30"x40", 60" hinged steel O.T. cover,</u> <u>14 toggles spaced 12" apart.</u>
HATCH BEAMS	Number ... <u>To FORE HOLD, 6'0"x10'0" Coaming 30"x44" with 6x3x3/8" L stiff sides and</u> Spacing ... <u>50" hinged steel cover, 20 toggles spaced 18" x 20"</u> Scantling and Sketch ... <u>Access Hatch in Lap Plate 2'1"x1'7", coaming 8x3 1/8", 50" hinged steel cover 6 toggles.</u> Bearing Surface ... <u>6 O.T. manholes to baffle dams &amp; O.F. Bunkers 23 1/2"x18"</u>
FORE AND AFTERS	Number ... <u>Coaming 8x7 1/16", 50" hinged steel cover 5 toggles.</u> Spacing ... <u>Hatch to Lower Store in Fore 2'9"x2'6", Coaming 9x3 1/2 x 3/8" L</u> Unsupported Lengths ... <u>Roat 2 1/2", Cover 2 1/2", cleats 24", 1 tarpaulin.</u> Scantling* and Sketch ... <u>Hatch to Chain Locker in Fore 2'3"x2'3", Coaming 6x3x3/8" O.F.</u> Bearing Surface ... <u>40 hinged steel top plate 6 toggles.</u> <u>2 Hatches 2'6"x2'6", 1 on Fore Deck to Lower Deck, 1 on Poop Deck</u> <u>to After Store, Coaming 9x3x3/8" L, 50" hinged steel cover, 8 toggles.</u>
HATCH COVERS	Material ... <u>Hatch to Magazine on Poop Deck. 2'6"x2'6", Coaming 9x7 1/16"</u> Thickness ... <u>50 hinged steel top plate, 8 toggles.</u> How fitted ... Bearing Surface ...
Spacing of Cleats	... .. <u>2-18" dia Flush Scuttles to Steering Gear Space, on Poop Deck.</u>
Number of Tarpaulins	... .. <u>with heavy duty joint.</u> <u>with substantial C.I. cover, chain attachment.</u>
*Are wood fore and afters steel shod at all bearing surfaces? 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:—



*See T.*

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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