

12 JUN 1951

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Lloyd's Register of Shipping.

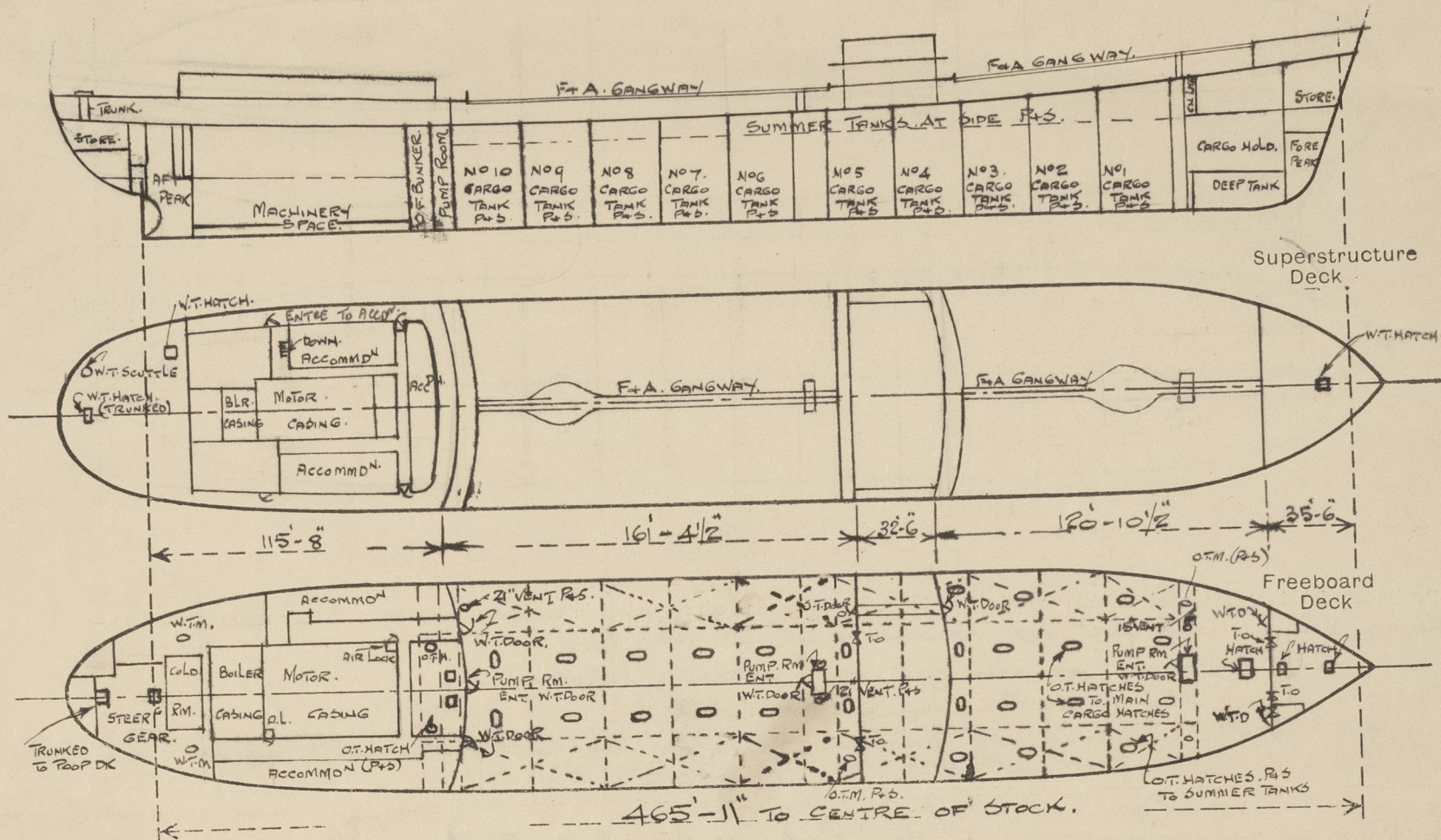
Index No. 42217
(For London Office only.)

Mdb. Rpt. No. 19204.

SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

Ship's Name "ATHEL SULTAN" Port of Survey MIDDLESBROUGH
 Official Number 183804 Surveyor's Signature J. D. Rufus
 Nationality and Port of Registry BRITISH LIVERPOOL Date of Survey Whilst 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.

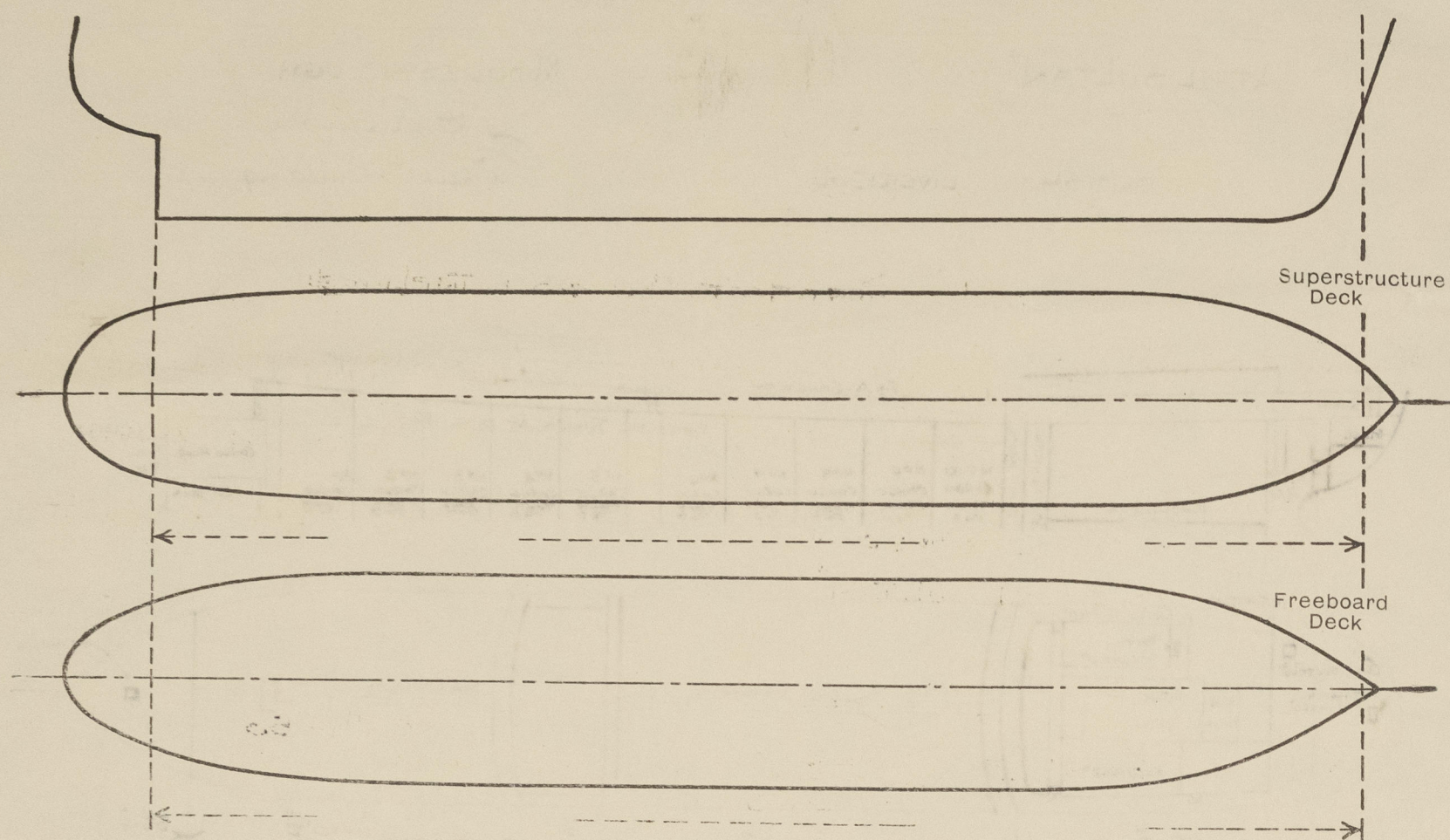
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	—	44.	9"x4x44.L. WELDED T.T.P.	2'-7 1/2" MAX	WELDED HEAD + HEEL.	32 5'-0" x 2'-6"	16" ACCO. ENTEE 24" PUMP RM ENTRANCE	8'-6"
Raised Quarter Deck Bulkhead ...	—	—	3"x2 1/2 x 30 L. WELDED T.T.P.	2'-8" MAX.	SNIPED HEAD+HEEL.	22 4'-1" x 3'-1" 12 3'-0" x 2'-6"	18"	8'-6"
Bridge, After Bulkhead	—	30	8"x3 1/2 x 50 L. T.T.P.	2'-4"	WELDED HEAD + HEEL.	12 5'-0" x 2'-6"	18"	8'-6"
Bridge, Forward Bulkhead	—	44.	3"x2 1/2 x 30 L. WELDED T.T.P.	3'-0" MAX.	WELDED HEAD + HEEL.	22 4'-1" x 3'-1" 12 5'-0" x 3'-3" 12 5'-0" x 2'-6"	18" 18"	8'-6"
Forecastle Bulkhead	—	32	—	—	—	—	—	—
Trunk, Aft	—	—	—	—	—	—	—	—
Trunk, Forward	—	—	—	—	—	—	—	—
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	—	—	—	—	—	—	—	—
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).

Poop Bulkhead	Three steel W.T. Doors, manipulated from both sides
Raised Quarter Deck Bulkhead ...	—
Bridge, After Bulkhead	One steel spray pipe door manipulated from both sides. Two tonnage openings with steel plates + hooked bolts.
Bridge, Forward Bulkhead	Steel W.T. Door, manipulated from both sides.
Forecastle Bulkhead	Two steel doors manipulated from both sides 2. Tonnage openings with steel plates + hooked bolts.
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	—
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:—

Saddle: Steel on after boat deck, permanently attached steel flap.
 Tunnel: Steel construction on after boat deck, efficiently stayed.
 Ventilators: Strong steel construction on after boat deck.
 Engine Room Skylight: Strong steel construction on after boat deck, permanently attached steel flaps.
 fixed bulbo eyes fitted, coaming 12" high

Particulars of Flush Bunker Scuttles :—

Sec. Poop Deck. : Galley Bunker.

Particulars of Companionways :—

Entrance to after accommodation through steel house on poop deck, steel beams 15" high above wood deck, strong wood doors manipulated from both sides, also from super deck through poop front, steel doors, manipulated from both sides, steel beams 18" high. Hold Pump Room - steel 4 1/2" high 15" deep 38" stiff 4 1/2 x 30 plate welded beam 2" x 2" apart, 2 x 30 stiff 4 1/2 x 30, welded beam 2" x 2" apart. N.T. steel door. 24" steel beam. Cor manipulated from both sides - all welded construction, welded to deck. After Pump Room - 24" beam front - steel beam 24" high - 40" door, manipulated from both sides. Mach. Pump Room - steel 4 1/2" high 15" deep 38" stiff 4 1/2 x 30 plate 2" apart at ends, welded beam 2" x 2" apart max spacing 2-6 5-8" high, all welded construction - welded to deck. Sigsbee above Dr. Hunt steel W.T. door. Manipulated from both sides. Notes

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

Forecastle Deck + 1 d 14" Dia boaming height 36" thickness .36"
 4 d 5" 6 N Vents 36" high
 Upper Deck ÷ 2 d 15" Dia to fore hold. Height 36" thickness .36"
 1 d 14" Dia to fore Pump Room. " 9'9" " .36" stayed to Pump Room Entrance
 2 d 21" " " Middle Pump Room " 12'6" " .40 " " " " "
 2 d 21" " " after Pump Room boaming height of roof. .40 thick stayed to Roof Front.
 Poop Deck ÷ 4 d 6" x 4" 6 N boaming 30" high. Thickness .30"
 5 d 12" x 4" boaming 30" high Thickness .34"
 2 d 5" Dia 6 N 30" high. " "
 3 d 4" " " 30" high. " "
 1 d 16" " boaming 18" Thickness .34" (brush room screw down top)

Closing appliances. Wood plugs & canvas covers. / Boaming's welded to deck.

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

Forecastle Deck:	3" to 4" Dia	-	30" high.
Upper Deck:	1" to 4" Dia	-	36" "
Boat Deck:	2" to 4" Dia	-	18" high.

closing appliances: To oil fuel tanks ÷ gauge at mouth, with canvas covers.
 To water tanks ÷ wood plugs.

Particulars of Gangway Cargo and Coaling Ports :—

Athelsutan.

Particulars of Scuppers and Sanitary Discharge Pipes :—

Scupperns :- Forecastle Deck. 2" P+S ✓
 Bridge Deck :- 3D 2" P+S ✓
 Poop Deck :- 4D 3" P+S ✓
 Upper Deck :- Fore Well :- 2D 6"x2" aperture in Gunwale angle. P+S.
 'D 6"x 2 3/4" " " " " "
 after Well :- 3D 6"x 2" " " " " "
 'D 6"x 2 3/4" " " " " "

Sanitary Discharges:	<u>afg.</u>	<u>Port Side</u>	<u>Starboard Side</u>	<u>mudship</u>	<u>Port Side</u>	<u>Starboard Side</u>
		35 1/2 Dia	45 1/2 Dia		15 1/2	25 1/2
		12 2"	35 2"		25 2"	25 2"
		25 2 1/2	35 2 1/2		15 4"	15 3"
		15 3"	15 4"			

Pipes - Gal. W-1 elbows, ^{3 & 4"} storm valves: Heavy brass bodies & clacks, all discharges from spaces above the fireboard deck.

Particulars of Side Scuttles :—

To Pool space: 23 @ 12" Dia P+2.

To Bridge Space : 3 @ 12" Dia Port side
3 @ 12 " Starboard "

Heavy brass frames and deadlights

Vertical distance of Sill of lowest Side Scuttle above top of keel

Abbrax 40'-0"

Particulars of Guard Rails :—

On Prop Deck: 3 Ball Stanchions 3'-6" high Top Rail $7\frac{1}{2}$ " tube 2 rails $7\frac{1}{2}$ " Rod, welded to sheer.
On Upper Deck: " " " " " " " " 2 R's lig to deck.
On Forecastle Deck: " " " " " " " " welded to deck.
Fore & After Gangway: 2 Ball Stanchions " " " 1 rail " weld to stringers

Particulars of Gangways, Lifelines, etc. :-

+ Strong & efficient steel for & aft gangway.
with 3/2 3"x 40. F.A.A. braced. 3"x 3" mid throat ship braced. supports spaced. 7'-0" apart
of 8'-6" stringers 9"x 3 1/2"x 3 1/2"x 5/8" L. Decking 5"x 2 1/2" W.P., gangway reinforced for
way of winches

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						
Forward Well						

State position of each freeing port (After Well :—

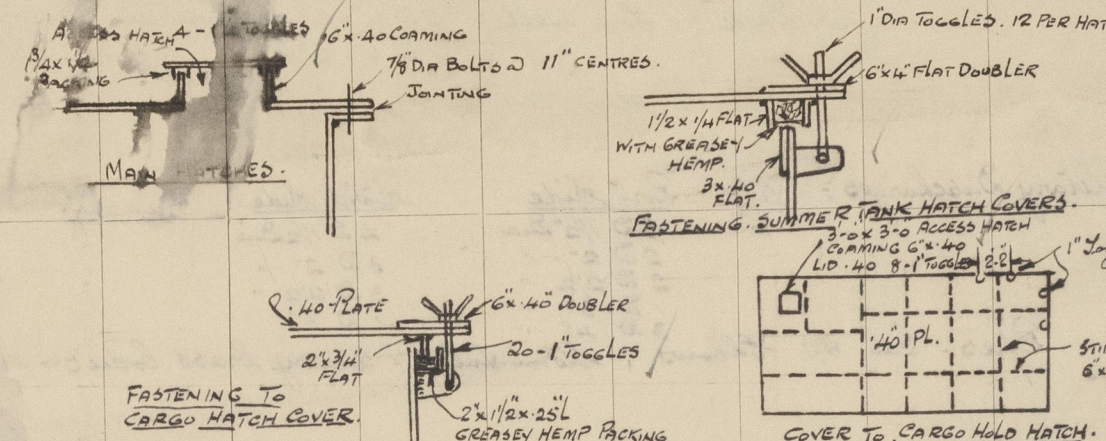
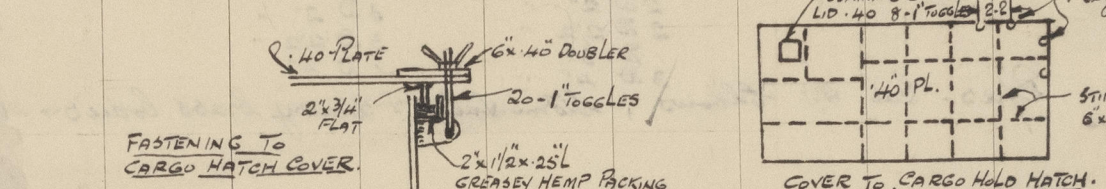
(F. and A. position and height above deck edge) } Forward Well:—

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.

Open rails fitted for more than 50% of the length of the fore & aft wells.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

PARTICULARS OF PROTECTION OF PROJECTION TO OPENINGS, ETC.													
FREEBOARD DECK.													
HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.													
		MAIN CARGO TANKS		SUMMER TANKS									
Description of Hatchway		O.T. HATCH. NO. 1, 2, 3 & 6 1/2 10	O.T. HATCH. NO. 4 & 5	O.T. HATCH G P 4, 5	ACCESS HATCH ON MAIN HATCH LIDS.	HATCH TO CARGO HOLD.	OT. MANHOLES.	STORE HATCH IN FOLE	CHAIN LOCKER HATCH IN FOLE.	HATCHES TO CROSS BUNKERS 2 OFF.	HATCH TO FOLE SPACE		
Dimensions of Hatchway		4'-4" x 5'-1" ELLIPTICAL	6'-0" x 5'-1" ELLIPTICAL	5'-11" x 2'-7" ELLIPTICAL	3'-6" Dia	14'-0" x 8'-8"	22" x 18"	2'-4" x 2'-4"	2'-1" x 2'-11"	24" Dia	3'-1" x 3'-1"		
COAMINGS	Height above Deck	2'-6 1/2"	2'-6 1/2"	2'-6 1/2"	3'-0 1/2"	3'-0"	12"	12"	12"	6" (6 x 3/2 L)	24"		
	Thickness	.40	.40	.40	.40	.40	12 x 3/2 x 40 L. T.T.P.	.36"	.30"	.50"	.44"		
	Sides	3 x 1/4" FLAT. INSIDE AT SIDES	3 x 1/4" FLAT. INSIDE AT SIDES	—	—	6 x 3/4" x 36" T.P.	—	—	—	—	—		
	Ends	—	—	—	—	.34 FLGD PLT.	—	—	—	—	—		
HATCH BEAMS	Number												
	Spacing	1" DIA TOGGLES. 12 PER HATCH.											
FORE AND AFTERS	Scantling and Sketch												
	Bearing Surface	COVER TO CARGO HOLD HATCH.											
HATCH COVERS	Material	STEEL (O.T.)	STEEL (O.T.)	STEEL (O.T.)	STEEL	STEEL	STEEL	STEEL	STEEL (WT)	STEEL (WT)	STEEL (O.T.)	STEEL (WT)	
	Thickness	.50 (5 x 40 STIFF)	.50 (5 x 40 STIFF)	.50 (HINGED)	.50 (HINGED)	.40	.40	.30	.30	.30	.50	.40	
	How fitted	One Piece	One Piece	One Piece	One Piece	One Piece	One Piece	One Piece	One Piece	One Piece	One Piece	One Piece	
	Bearing Surface	3 x 1/4" FLAT	7/8" Dia Bolts 2" 11" apart	12" 1" Dia Toggles	4 - 1/4" Toggles	20 - 1" Toggles	3/4" Dia 12 x 3/4" L. HINGED	6 - 3/4" Toggles 4 - 3/4" Toggles 3/4" Bolts 2" 11" apart	4 - 3/4" Toggles 3/4" Bolts 2" 11" apart	4 - 3/4" Toggles 3/4" Bolts 2" 11" apart	2 - 5" Dia 3/4" HINGED	6 - 3/4" Toggles 2 - 5" Dia 3/4" HINGED	
Spacing of Cleats													
Number of Tarpaulins													
*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:—

Hatches on Poop Deck: Hatch to Rope Store 3'-1" x 1'-9" COAMING 18" THICKNESS .36. Cover .40 Steel (WT) 6-3/4" Toggles.

Hatch to Cold Room Lobby: 3'-1" x 3'-1" " 18" " .36 Cover .40 Steel (WT) 8-3/4" Toggles.

Scuttle to Galley Coal Bunker. 14 1/2" aperture with bayonet joint cover; strong iron construction, with securing chain attached.