

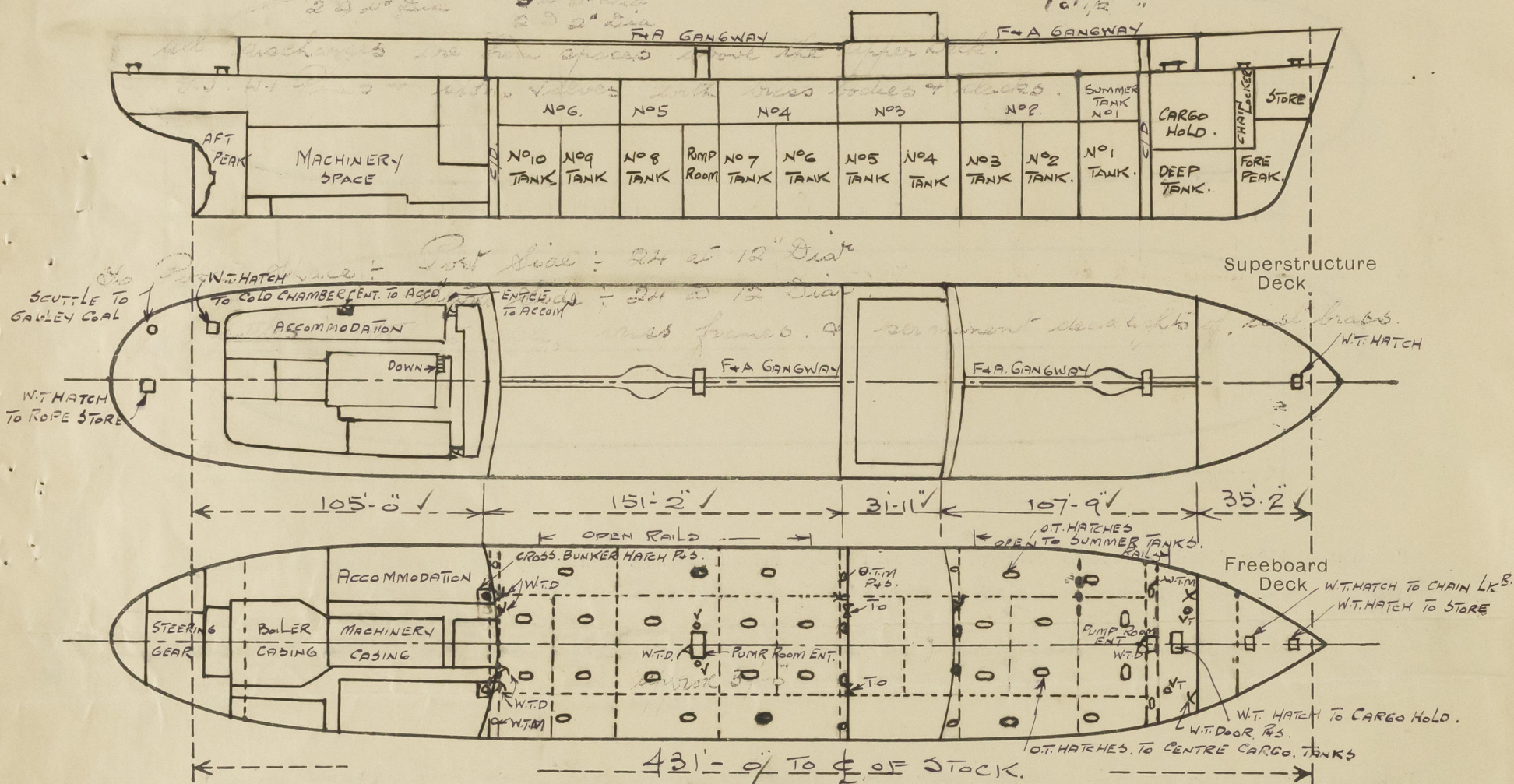
Lloyd's Register of Shipping.

Index No. _____
(For London Office only.)

SURVEYS FOR FREEBOARD. • M.D.S. RPT. No. 19368. (CONDITIONS OF ASSIGNMENT.)

Ship's Name "ATHELFORD" Port of Survey MIDDLESBROUGH.
Official Number 183922 Surveyor's Signature J. D. Rufus.
Nationality and Port of Registry BRITISH., LIVERPOOL. Date of Survey Whilst Building

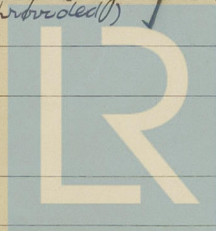
Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement:—



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"xH"xH8.0" (T.T.P.)	2.7 MAX.	BRACKETED AT HEAD, WELDED AT HEEL.	42.5'-0" x 2'-6"	18" ✓	8'-0" ✓	
Raised Quarter Deck Bulkhead ...	—	—	—	—	—	—	—	—	
Bridge, After Bulkhead ...	—	30" ✓	3"x22"x30" (T.T.P.)	2.4 MAX.	BRACKETED AT HEAD, WELDED AT HEEL.	12.5'-0" x 2'-6"	18" ✓	8'-0" ✓	
Bridge, Forward Bulkhead ...	—	44" ✓	8"x4"x45" (T.T.P.)	2.4 MAX.	BRACKETED AT HEAD, WELDED AT HEEL.	12.5'-0" x 2'-6"	18" ✓	8'-0" ✓	
Forecastle Bulkhead ...	—	30" ✓	3"x2 1/2"x30" (T.T.P.)	2.6 MAX.	BRACKETED AT HEAD, WELDED AT HEEL.	12.5'-0" x 2'-6"	18" ✓	8'-0" ✓	
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 ...	HINGED STEEL W.T. DOORS. O.B.S.
Raised Quarter Deck Bulkhead ...	—
Bridge, After Bulkhead ...	One W.T. Steel Door manipulated from both sides. 2 Tonnage Openings wood weatherboards in full height channels. (Steel plates with hooked bolts also provided)
Bridge, Forward Bulkhead ...	One W.T. Steel Door manipulated from both sides
Forecastle Bulkhead ...	Two W.T. Steel Doors manipulated from both sides. 2 Tonnage Openings wood weatherboards in full height channels. (Steel plates with hooked bolts also provided)
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 ...	—

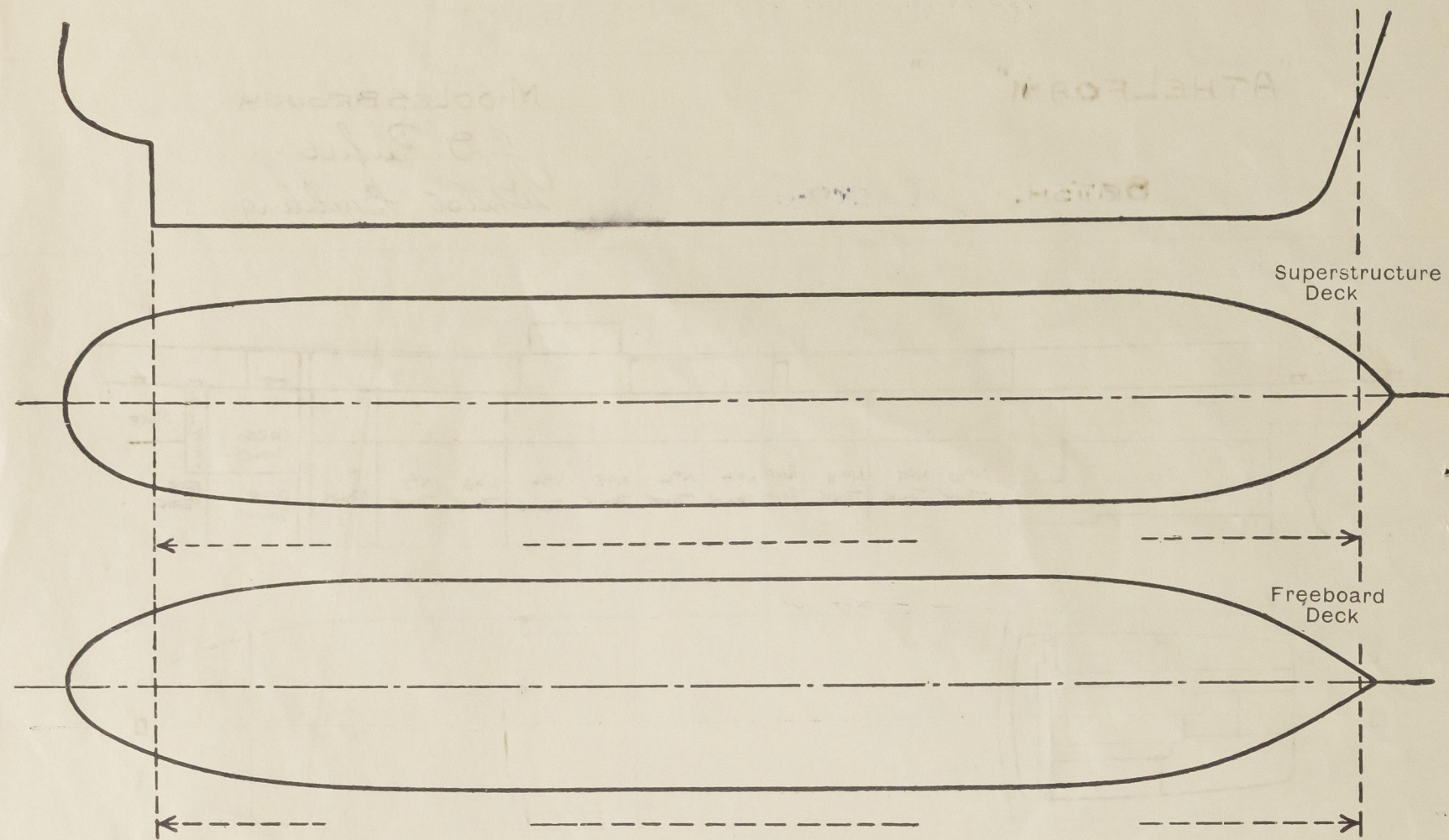


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PARTICULARS OF PROTECTION TO OPENINGS, ETC.

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:—

Saddley: on casing top, boat deck, permanent hinged cover, steel construction ✓
 Skylight: steel on casing top, 9" coaming, hinged steel flaps, fixed bull's eyes ✓
 Tunnel: strong steel construction on casing top above boat deck level, efficiently staged ✓
 Ventilators: strong steel construction on casing top - ✓

Particulars of Flush Bunker Scuttles:— *One on poop deck to galley poop, over with bayonet joint secured by chain, 2" dia.*

Particulars of Companionways:— Entrance to accommodation aft. thro' w.t. steel doors. in poop. front, also from poop deck thro' steel house, strong wood doors, steel casing 1 1/2" high. **O.B.S.**
 Main room entrances: steel houses welded to deck, plating 3/8", stiffeners 4x1/2, 3x5/8 bracketed at head & welded at heel, w.t. steel doors manipulated from both sides, steel casings 2 1/2" high. entrances 4 1/2" high w.t. steel skylights on top.

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

Roof Deck: 42 5' G.N. ^{OVER} 62 5" G.N. Forecastle Deck.
 42 12"x4" G.N. 34 thick 22 6"x4" G.N. Coaming 30 32 5" G.N. Vents Coaming 3'-0" high
 Coaming 32 12 10" Dia Bowl Vent 22 8 1/2" MUD ROOM VENT 39 12 11" Dia Bowl Vent " " 32 thick
 12 3" G.N. 30 thick 12 14" Dia Bowl Vent " " 36 "
 On 12 16" Dia MUSHROOM VENT.
 Coaming on Roof Deck 2'-6" high ✓

Upper Deck.
 1 P.S. 15. Midship Pump Room. 21" Dia .40 Coaming 10'-0" high Staged to Pump Room Entrance
 1 " " Ford " " 14" " .36 " 4'-0" " " " "
 1 P.S. 15 Cargo Hold. 15" Dia Bowl Vents. Coaming 36", 36" high
 ALL VENT COAMINGS. WELDED TO DECK.
 Closing appliances: Wood plugs & canvas covers.

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

Pop. Deck: 4" x 2" Dia² min 18" high ✓
Forecastle Deck: 4" x 6" Dia² 36" high ✓
closing appliances: To water tanks - wood plugs ✓
To oil fuel tanks: gauge at mouth and canvas hoods.

Particulars of Gangway Cargo and Coaling Ports :—

Athel foam

Particulars of Scuppers and Sanitary Discharge Pipes :—

Scupper
From upper Deck: 2 P.s. 6" x 2 3/4" apertures in stringer angle.
Poop: 2 @ 3" P.s. w. 1 piped discharging to shell. ✓

Sanitary Discharges

Left Port side	2 2 1/2" Dia	Starboard Side	2 2 2" Dia	Starboard Side	2 2 2" Dia
	4 2 2" Dia	3 2 1/2" Dia	1 2 1/4" Dia		2 2 1/4" Dia
	2 2 2" Dia	2 2 2" Dia	1 2 1/2" "		
		2 2 2" Dia			

all discharges are from spaces above the upper Deck.

G.I. W-1 Pipes & storm valves with brass bushes & clacks.

Particulars of Side Scuttles :—

Particulars of Side Scuttles:—
 No Prop Space: Port Side: 24 at 12" Dist ✓
 Starb Side: 24 at 12" Dist ✓
 Scuttles bolted to shell, brass frames. & permanent deadlight of cast brass.

Vertical distance of Sill of lowest Side Scuttle above top of keel approx 34'-0"

Particulars of Guard Rails :—

Fore Deck ÷ 3 ball stanchions - 3'-6" high Top rod 1 7/8" Dia tube, lower rails 7/8" Dia rods, welded to sheer.
 Bridge Deck ÷ steel bulwark all round.
 Forecastle Deck ÷ 3 ball stanchions - 3'-6" high Top rod 1 7/8" Dia tube, lower rails 7/8" Dia rods, welded to deck.
 Upper Deck ÷ 3 ball stanchions - 3'-6" high Top rod 1 7/8" Dia tube, lower rails 7/8" Dia rods, lugged to deck.
 A/A Gangway ÷ 2 ball stanchions - 3'-3" high Top rod 1 7/8" Dia tube, lower rail 7/8" Dia rods, welded to stringer.

Particulars of Gangways, Lifelines, etc.:— Strong fore and aft gangway of steel construction from foot to bridge, bridge to fore-castle supports 4" x 4" x .40 Braces 3" x 3" x .40 stringers 9" x 3 1/2" x 3/2" x 5/4 F decking 5" x 5/2 gang. supports 8'-0 to 9'-0 apart. height 6'-8", spread 5'-6"

Particulars of Freeing Arrangements.

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	Open	Rails for 50% of Length.	✓			
Forward Well	Open	Rails for 50% of Length.	✓			

State position of each freeing port	$\left\{ \begin{array}{l} \text{After Well :—} \\ \text{Forward Well :—} \end{array} \right.$
(F. and A. position and height 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.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
FREEBOARD DECK.								POOP DECK.		
Description of Hatchway	O.T. CARGO HATCHES TO CENTRE LIDS.	ESCAPE HATCHES LIDS.	O.T. CARGO HATCHES TO SUMMER TANKS.	DRY CARGO FORP.	TO PEAK STORE (IN FEEL SPACE)	TO CHAIN LK ^R (IN FEEL SPACE)	O.T. MT. TO C/Ds.	TO CROSS BUNKER 2 OFF.	TO ROPE STORE	TO COLD CHAMBER LOBBY.
Dimensions of Hatchway	4'0" x 4'9" x 4'11"	3'6" D/A	6'0" x 4'0" x 2'6" (OVAL)	14'0" x 8'11"	13'0" x 3'0"	3'0" x 3'0"	24' x 18"	30" D/A	2'11" x 2'5"	3'0" x 3'0"
COAMINGS	Height above Deck ... 2'6" Thickness { Sides ... 40 Ends ... 40 Stiffeners ... 3 x 40 FLATS Brackets, Stays ... —	3'0" (6" COAMING) 40 —	2'6" 40 —	3'6" 40 6 x 3 1/2 x 36 (T.T.P.) 40 FLG ² BKTs	12" 36" —	12" 36" —	12" 50 —	6" 50 —	18" 36 —	18" 36 —
HATCH BEAMS	ALL COAMINGS WELDED TO DECK.									
FORE AND AFTERS	Number ... Spacing ... Unsupported Lengths ... Scantling* and Sketch ... Bearing Surface ...									
HATCH COVERS	Material ... STEEL Thickness ... 50 How fitted ... ONE PIECE Bearing Surface ... CLOSING ON GREASEY HEMP BASKET	STEEL 50 ONE PIECE "GROCO" PACKING	STEEL 50 ONE PIECE "GROCO" PACKING	STEEL 40 ONE PIECE GREASEY HEMP PACKING	STEEL 30 ONE PIECE GREASEY HEMP PACKING	STEEL 30 ONE PIECE GREASEY HEMP PACKING	STEEL 50 ONE PIECE GREASEY HEMP PACKING	STEEL 40 ONE PIECE CARDBOARD JOINTING	STEEL 40 ONE PIECE GREASEY HEMP PACKING	STEEL 40 ONE PIECE GREASEY HEMP PACKING
Spacing of Cleats	7/8" DIA BOLTS	4 @ 1 1/4" TO GGLS	14 @ 1" TO GGLS	20 @ 1" TO GGLS	20 @ 1" TO GGLS	6 @ 3/4" TO GGLS	6 @ 3/4" TO GGLS	3 1/4" BOLTS	3 1/4" BOLTS	6 @ 3/4" HING NUTS
Number of Tarpaulins	APPROX 36 CRs	36 CRs	36 CRs	36 CRs	36 CRs	36 CRs	36 CRs	36 CRs	36 CRs	36 CRs

*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 :—

HATCH ON FORECASTLE DECK.

3'-0" x 3'-0" 24" HIGH COAMING. .44 THICK COVER .44 THICK. 4- 3/4" Toggles. GREASEY HEMP PACKING

Name of Ship *ATHELFOAN*

Freeboard Report Examined

(Date) *15 May 1957*

Signed *[Signature]*