

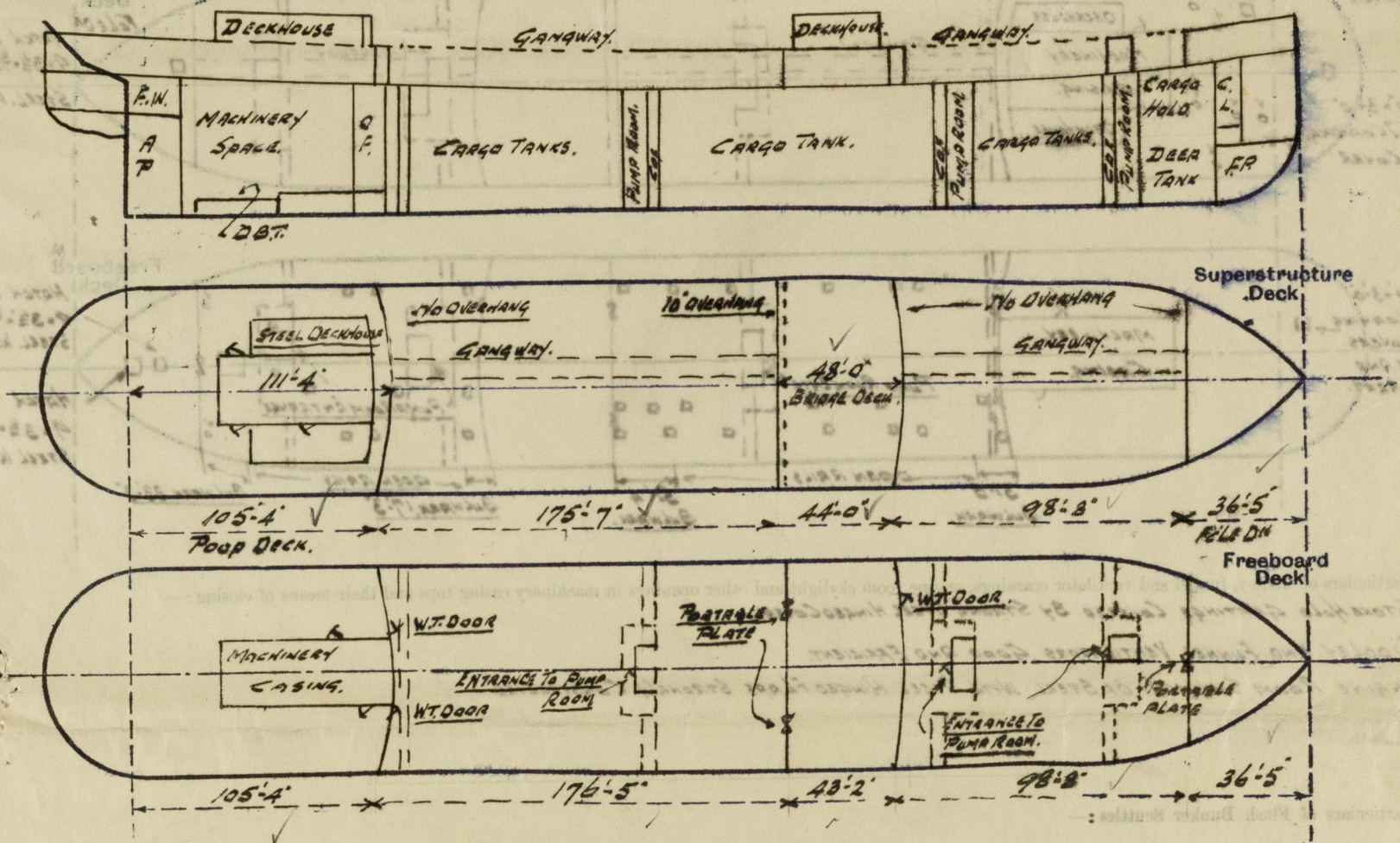
Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD. (CONDITIONS OF ASSIGNMENT.)

Ship's Name *EMPIRE METAL*
FURNACE S.B.C. L.T. 17339
Official Number *168248*
Nationality and Port of Registry *British Middlesbrough London*

Port of Survey *17 DOCK ROAD*
Surveyor's Signature *Cyril B. Jones*
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.

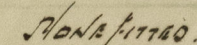
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	3'-9" x 44"	44"	CR 10" x 3 1/2" x 1/2" 7 SIDES 10" x 3 1/2" x 7/16 7	24" 30"	CR 3/8" TOP & BOTTOM SIDES LUGS TOP, ENW BOTTOM	5'-0" x 3'-0"	18"	7'-6" ✓
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...	3'-9" x 34"	34"	5" x 3" x 3/8 7	36"	8" TOP ONLY	3'-1" x 5'-1"	18"	7'-6" ✓
Bridge, Forward Bulkhead ...	3'-9" x 48"	48"	10" x 3 1/2" x 1/2" 7	36"	3/8" TOP, ENW TO DECK	3'-0 1/2" x 5'-0"	18"	7'-6" ✓
Forecastle Bulkhead ...	3'-9" x 30"	30"	5" x 3" x 3/8 7	30"	NOT ATTACHED	4'-0 1/2" x 5'-0"	18"	7'-6" ✓
Trunk, Aft ...								
Trunk, Forward ...								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	HOUSE FRONT 3'-6" x 36"	30"	6" x 3 1/2" x 3/8 7	30" 3/4"	8" TOP & BOTTOM	NO OPENING	✓	8'-0" ✓
Exposed Machinery Casings on Superstructure Decks ...	3'-9" x 34"	30"	4 1/2" x 3" x 3/8 7	30" 3/4"	8" TOP CENT & BOTTOM	2'-0" x 5'-0"	18"	8'-0" ✓
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 WATERTIGHT STEEL DOORS MANIPULATED FROM BOTH SIDES. PORT & STARBOARD	✓
Raised Quarter Deck Bulkhead ...		
Bridge, After Bulkhead ...	PORTABLE PLATES WITH HOOKED BOLTS 12" APART. PORT & STARBOARD	✓
Bridge, Forward Bulkhead ...	HINGED WATERTIGHT STEEL DOOR MANIPULATED FROM BOTH SIDES. PORT SIDE ONLY.	✓
Forecastle Bulkhead ...	PORTABLE PLATE WITH HOOKED BOLTS 12" APART. IN CENTRE.	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...		
Exposed Machinery Casings on Superstructure Decks ...	STEEL HINGED DOORS MANIPULATED FROM BOTH SIDES	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...		
Deckhouses on Flush Deck Ships ...	PUMP ROOM ENTRANCES, HINGED WATERTIGHT STEEL DOORS MANIPULATED FROM BOTH SIDES.	✓

EMPIRE METAL B.T. COPY

Particulars of Gangway Cargo and Coaling Ports:—



Particulars of Scuppers and Sanitary Discharge Pipes:—

Particulars of Side Scuttles:—

Particulars of Flush Bunker Scuttles:—

Particulars of Companionways :—

Particulars of Gangways, Lifelines, etc. :—

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

EFFICIENTLY CONSTRUCTED AND SUPPORTED
GUARD RAILS WITH TWO ROOS 3'-9" HIGH
WITH STANCHIONS ABOUT 4'-6" APART.

The drawing consists of two parts. The left part is a cross-section of a truss, labeled 'SECTION' at the top. It shows a central vertical member with a circular joint in the middle. Diagonal members connect the top and bottom joints. Dimensions are given in feet and inches: top width is 3'-9", top chord length is 1'-7 1/2", top chord thickness is 5" Haqueado Plate, top chord width is 6'-3 1/2", top chord height is 1'-0", top chord thickness is 3/8", top chord width is 3'-3 1/2", top chord height is 3'-0", top chord width is 2'-6", top chord height is 2'-6". The right part is a 'FORE AND AFT VIEW' of the truss, showing the same structure from a different perspective. It has a total width of 8'-1" and a height of 3'-3 1/2". The diagonal members are labeled 3/8" and 3/8".

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	<i>RF 31'5"</i> <i>BE 31'4"</i> <i>BF 17'3"</i> <i>RF 33'2"</i>	<i>3'6"</i> <i>"</i> <i>"</i> <i>"</i>	<i>10FF 2'0" x 4'10"</i> <i>3 OF 2'6" x 5'</i> <i>1 OF 2'0" x 9'</i> <i>NONE</i>	<i>2</i> <i>3</i> <i>1</i>		<i>open rails for</i> <i>1/2 length of</i> <i>the exposed</i> <i>weather deck</i>
Forward Well	<i>And open rails for more than half the length</i> <i>of the exposed part of the weather deck</i>					
State position of each freeing port { After Well :— <i>RF 1'6", 13'9" BE 1'0", 15'9", 13'4" 12" ABOVE UPPER DECK.</i> (F. and A. position and height above deck edge) { Forward Well :— <i>Do</i>						
State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :— <i>NO SHUTTERS OR BARS.</i>						
Additional area where sheer is less than standard.						

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

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

POOP DECK. AIR PIPES 1/2" TO TANKAGE SPACE 2 1/2" DIA WITH GOOSE NECK. 15" HIGH. 5.5.
 - RIGGING TANK. 2 1/2" - 15.
 - AFTER PEAK. 3" - 15.5.
 SOUNDING PIPES TO AFTER PEAK TANK. 2" DIA 3'-0" ABOVE UPPER DECK WITH SELF CLOSING COCK.
 AIR PIPES TO 2 BT. 1/2" 4" TO CASING TOP 2 1/2" 3" DIA. 2 OFF. 2 1/2" DIA WITH GOOSE NECK 15" DIA.
 - 3'-0" ABOVE UPPER DECK WITH GOOSE NECK 2 OFF. 4" DIA.
 SOUNDING PIPES TO 2 BT. 3'-0" ABOVE TANK TOP FITTED WITH QUICK CLOSING VALVES.
UPPER DECK. AIR PIPES TO OIL FUEL TANK 1 1/2" 13. 4" DIA FITTED WITH GOOSE NECKS 3'-0" ABOVE UPPER DECK.
 - AFTER COMPARTMENT 1 1/2" 15. 2 1/2" -
 - FORWARD 1 1/2" 15. 2 1/2" -
 - FORWARD DECK TANK 1 1/2" 15. 4" -
FORECASTLE DECK. AIR PIPE TO FORWARD TANK 1 OFF. 4" DIA - 1 1/2" - FILL DECK.
 AIR PIPES TO OIL FUEL TANKS FITTED WITH GOOSE NECKS, WITH DOUBLE GUNZE AND SCREW COVER
 - PUMP AND F.W. TANKS - CLOSED WITH WOOD PLUGS AND CANVAS COVERS.
 SOUNDING PIPE DECK PIPES 12" ABOVE DECK WITH FLANGE TO TAKE EJECTORY BRASS SCREW PLUGS CHAINED AND BUSHES
 WHEN CARRYING GRAIN TANKS TO BE REMOVED AND GOOSE NECKS 3'-0" ABOVE DECK FITTED. OIL FUEL BUNKER PIPES SIMILAR TO ABOVE WITH 5" DECK PIPES

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— *NO SHUTTERS OR BARS.*

Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway									
Dimensions of Hatchway									
COAMINGS	Height above Deck								
	Thickness	Sides							
	Stiffeners	Ends							
	Brackets, Stays								
HATCH BEAMS	Number								
	Spacing								
	Scantling and Sketch								
	Bearing Surface								
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths								
	Scantling* and Sketch								
HATCH COVERS	Bearing Surface								
	Material								
	Thickness								
	How fitted								
Bearing Surface									
Spacing of Cleats									
Number of Tarpaulins									
<p>*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?</p>									

Particulars of any special features :—

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.

State position of each fitting part
(P. and A. position and height above deck edge)
After Well
Forward Well
Name and position of each fitting part, and give particulars of each
Additional area where space is less than standard