

17 SEP 1944

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(For London Office only).

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

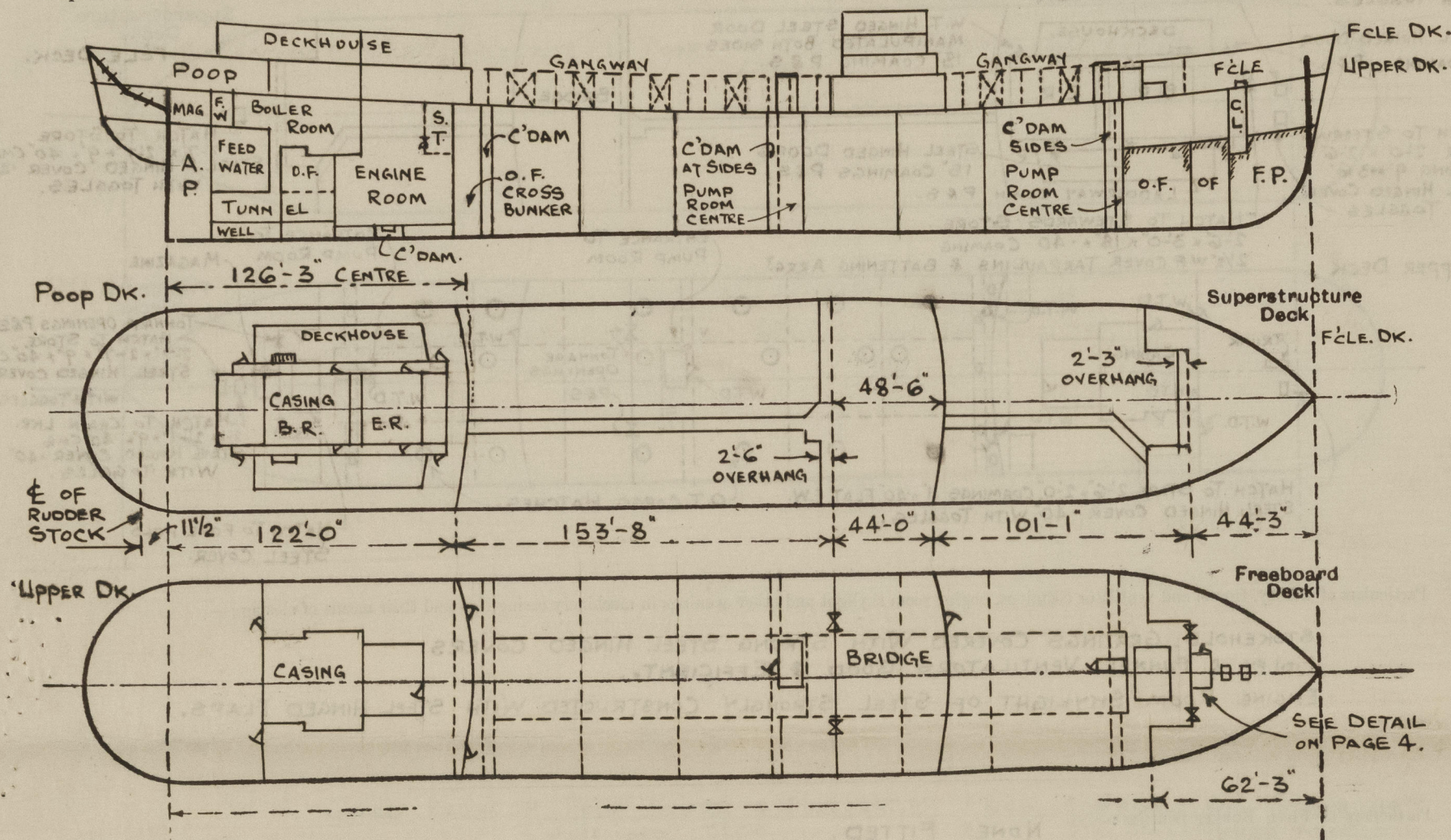
(CONDITIONS OF ASSIGNMENT.)

Mdb. 17709.

WAVE.

S.S. "EMPIRE PROTECTOR"
 Ship's Name FURNESS S.B.C. YARD N° 360. Port of Survey MIDDLESBROUGH.
 Official Number 169147. Surveyor's Signature H. Young. G. B. Lewis.
 Nationality and Port of Registry BRITISH MIDDLESBROUGH. 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"	10" x 3 1/2" x 40"	30"	LUGS TOP E.W. BOT.	2 OFF W.T.D. 5'-0" x 2'-2"	18"	7'-6"
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead	34"	34"	5" x 3" x 36" OA.	36"	BRK'S TOP JOINTER BOT.	2 OFF W.T.D. 4'-10" x 2'-0" 2" T.O. 5'-3 3/4" x 2'-9"	16 1/2"	7'-6"
Bridge, Forward Bulkhead	50"	50"	10" x 3 1/2" x 44"	36"	BRK'S TOP E.W. BOT.	1 OFF W.T.D. 5'-0" x 3'-0"	16 1/2"	7'-6"
Forecastle Bulkhead	30"	30"	5" x 3" x 30" OA.	27"	JOINTER	2 OFF T.O. 4'-6" x 3'-0 1/2"	18"	7'-6"
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 ...	PUMP ROOM	ENTRANCES.						

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

Poop Bulkhead	HINGED W.T. STEEL DOORS P & S, MANIPULATED FROM BOTH SIDES.
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead	HINGED W.T. STEEL DOOR P & S. MANIPULATED FROM BOTH SIDES. PORTABLE PLATES WITH HOOK BOLTS P & S, (BOLTS 14" APART.)
Bridge, Forward Bulkhead	HINGED W.T. STEEL DOOR, PORT SIDE. MANIPULATED FROM BOTH SIDES. PORTABLE PLATES WITH HOOK BOLTS P & S. (BOLTS 14" APART.)
Forecastle Bulkhead	HINGED W.T. STEEL DOOR P & S, MANIPULATED FROM BOTH SIDES.
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 ...	PUMP ROOM ENTRANCE MIDSHIPS. HINGED W.T. STEEL DOOR, MANIPULATED FROM BOTH SIDES. FORWARD " " " "

[illegible]

STOKEHOLD GRATINGS COVERED WITH STRONG STEEL HINGED COVERS.
FIDLEY & FUNNEL VENTILATORS GOOD & EFFICIENT.
ENGINE ROOM SKYLIGHT OF STEEL STRONGLY CONSTRUCTED WITH STEEL HINGED FLAPS.

Particulars of Companionways:—

FORWARD PUMP ROOM ENTRANCE, 4'-6" x 2'-9" x 6'-6" HIGH.
PLATING .36". 1 STIFF² ON SIDES 3' x 3/8" FLAT E.W.
W.T. DOOR ON AFTER END 4'-6" x 2'-3" MANIPULATED FROM BOTH SIDES. 18" x 36" COAMING.
MIDSHIP PUMP ROOM ENTRANCE: 7'-6" x 9'-9" x 7'-6" HIGH, COAMING 7/2" x 40" FLAT E.W., PLATING .30".
STIFF² FORE END 4' x 3/2" x .36" TOE E.W. SPACED 2'-9". AFT END & SIDES 3' x 36" FLATS. E.W.
TOP .30" PLATING, 4' x 3' x .32" BEAMS TOE E.W., W.T. DOOR AFT END 4'-1" x 1'-8".
24" x 30" COAMING, MANIPULATED FROM BOTH SIDES.

LOCATION	ITEM	QUANTITY	SIZE	THICKNESS	REMARKS
FORECASTLE DECK	LED TO ROPE & DECK STORES	3	6" DIA.	36" x 25"	COAMING X
"	FORE HOLD	1	12"	36" x 32"	X
"	TWEEN DECK STORE.	2	10"	36" x 32"	X
"	FORE STORE BELOW UPPER DECK.	1	8"	36" x 30"	X
UPPER	MIDSHIP PUMP ROOM	2	12"	36" x 40"	X
"	FORE	1	12"	36" x 32"	X
"	FORE HOLD	1	12"	36" x 32"	X
POOP	STEERING GEAR	2	6"	30" x 25"	X
"	REFRIG. MACHINE	2	6"	30" x 25"	X
"	POOP PASSAGEWAYS.	4	16"	30" x 38"	X

ALL VENTILATORS CONSTRUCTED IN ACCORDANCE WITH THE RULES AND COAMINGS :-
 CLOSED WITH GASTIGHT PACKED COVERING PLATES MARKED ✓
 " " WOOD PLUGS & CANVAS COVERS " X
 " " GASTIGHT HINGED VALVES. " X

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—									
AIR PIPE ON	POOP	DECK	LED TO						
				RUDDER TRUNK (P).	3	DIA.	GOOSENECK.	18"	HIGH.
				PEAK AFT (P&S)	4			18"	WOOD PLUG & CANVAS COVER
				FEED WATER TANK (P&S)	3			18"	" " " "
				O.F. UNDER B.R. FLAT (P&S)	4		BELLMOUTH	18"	DOUBLE GAUZE & SCREW-UP COVER.
				F.W. d.b. TANK 30-35, (S)	3		GOOSENECK	18"	WOOD PLUG & CANVAS COVER.
				C'DAM 35-40, (P)	2 1/2			19"	" " " "
				O.F. d.b. TANK 40-49 (P&S)	4		BELLMOUTH	18"	DOUBLE GAUZE & SCREW-UP COVER.
				O.F. SETTLING TANK (P&S)	3			18"	" " " "
			UPPER	O.F. BUNKERS 49-53. (P&S)	4			6-0	" " " "
				C'DAM 53-54. (P&S)	4			6-0	" " " "
				C'DAM 147-148. (P&S)	4			6-0	" " " "
			FILE	O.F. 149-162 (P&S)	4			18"	" " " "
				O.F. 162-170 (P&S)	3			18"	" " " "
				FORE PEAK. (P)	4		GOOSENECK.	18"	WOOD PLUG & CANVAS COVER.

SOUNDING PIPE DECK PIECES 10' HIGH WITH FLANGE TO TAKE "EJECTORS, BRASS SCREW PLUGS CHAINED ON PIPE.
 - TO O.F. d.b. TANKS & FEED WATER TANK 4 off 2" DIA. 4'-0" ABOVE TANKS FITTED WITH SELF CLOSING VALVES.
 - TO Cofferdams d.b. TANK. 2 off 1 1/2" 4'-0" " " Non-DETACHABLE SCREW PLUG.

NONE FITTED.

SCUPPERS FROM STEERING GEAR COMP¹ 2 1/2" DIA. DISCHARGING OVERBOARD 1'-0" BELOW UPPER DK. (P & S) ^{DE MP} FITTED WITH CHAINED SCREW PLUG.

SANITARY DISCHARGES FROM POOP ACCOMMODATION 4" & 4 1/2" DIA. DISCH² OVERB² 5'-0" BELOW UPPER DK (P & S) } FITTED WITH NRSO. VALVES ON SHIPS

" " " " 4" 3 1/2" & 2" DIA. " " 2'-0" " " " " } SIDE & EFFICIENT TRAP ON INNER END.

" " " MIDSHIP " 5", 4", 3", 2 1/2" & 2" DIA. " " 1'-6" ABOVE " " " " }

SCUPPER FROM BOILER ROOM W.T. DECK 2" DIA. SCUPPER TO BILGES WITH SELF CLOSING VALVE (P & S)

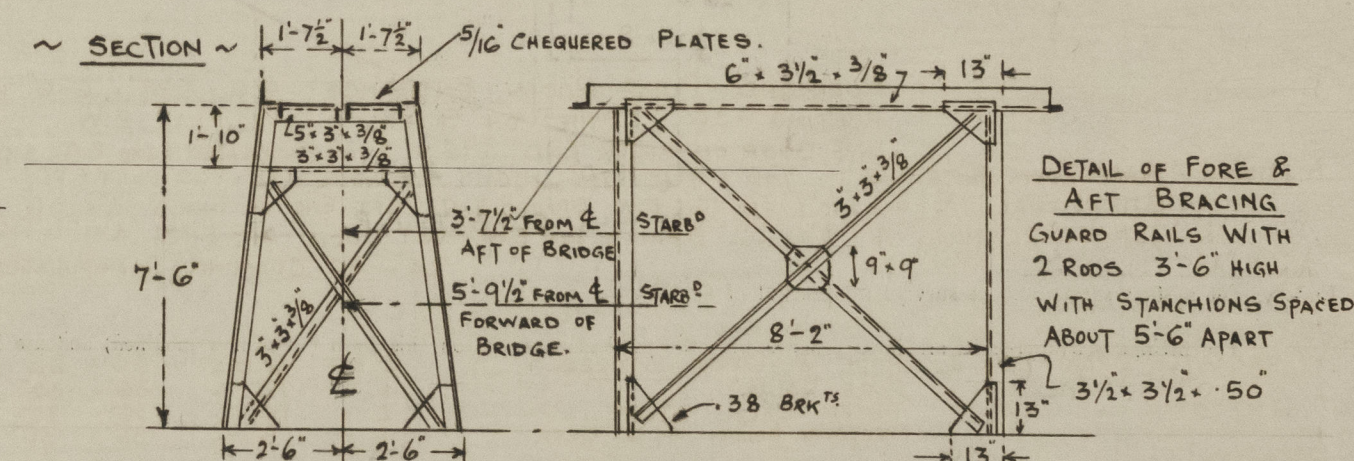
" " " " 2" " " " IN TUNNEL ESCAPE NO VALVE (P & S)

SCUPPER TO BILGES IN FORWARD ALLEYWAY TO POOP. FITTED WITH CHAINED SCREWED PLUG.

SIDE SCUTTLES ON POOP, BRIDGE & FORECASTLE OF
SUBSTANTIAL CONSTRUCTION. FITTED WITH HINGED DEADLIGHTS.

GUARD RAILS ON POOP BRIDGE & FORECASTLE. 3 RDS, 3'-6" HIGH. } WITH STANCHIONS
" " " FREEBOARD DECK 3 " 3'-6" " } SPACED ABOUT 5'-0"

Particulars of Guard Rails :—



Particulars of Gangways, Lifelines, etc. :—

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 FORM ² OF POOP.	10'-0"	3'-6"	NONE			
AFT OF BRIDGE.	13'-0"	3'-6"	"	✓	✓	✓
Forward Well FORM ² OF BRIDGE.	10'-0"	3'-6"	"			
AFT OF FILE.	10'-0"	3'-6"	"	✓	✓	✓

State position of each freeing port	After Well :—	NONE.
(F. and A. position and height above deck edge)		Forward Well :—	NONE.

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.

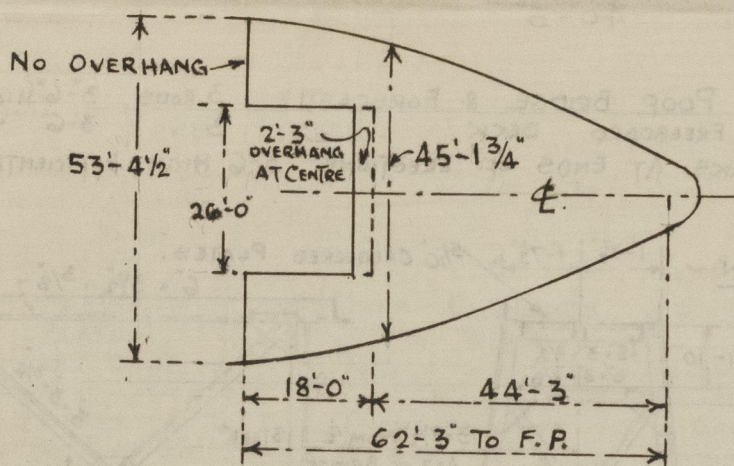
HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway		W. T. HATCHES ON UPPER DECK.							
Dimensions of Hatchway									
COAMINGS	Height above Deck								
	Thickness								
	Stiffeners								
	Brackets, Stays								
HATCH BEAMS	Number								
	Spacing								
	Scantling and Sketch								
	Bearing Surface								
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths								
	Scantling and Sketch								
HATCH COVERS	Material								
	Thickness								
	How fitted								
	Bearing Surface								
Spacing of Cleats									
Number of Tarpaulins									

O.T. CARGO HATCHES ON UPPER DECK.
 COAMINGS 4'-0" DIA x 10" HIGH x 3/4" THICK.
 STEEL HINGED COVERS 40' FITTED WITH TOGGLES.
 6 PORT & 6 STARB SIDE TO WING TANKS,
 6 PORT SIDE TO CENTRE TANKS
 (DECK OPENING 3'-0" WIDE.)
 HATCHES TO COFFERDAMS 3 AFT & 2 FORE
 HATCHES TO O.F. BUNKERS 2 AFT
 23' x 18' COAMINGS 12' x 7/16" x 4' x 4' x 60" L.
 WITH BOLTED PLATE COVERS 44" THICK
 BOLTS 4" APART.
 CARGO HATCH ON FORE DECK TO FORE HOLD.
 9'-0" x 12'-0" COAMING 30' x 44"
 6' x 3' x 38" OA. STIFFS & 42" BRK¹² ON ENDS
 STEEL HINGED W.T. COVER 50" THICK.
 WITH 3 STIFFS 6' x 3' x 44" OA. TOE E.W.
 3 OFF SPACED 3'-0" TOGGLES 24" APART.

*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:—

FORECASTLE DECK.



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.