

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD. M.B. 1770.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name FURNESS S.B. CO. LTD YARD N° 388.Port of Survey MIDDLESBROUGH.

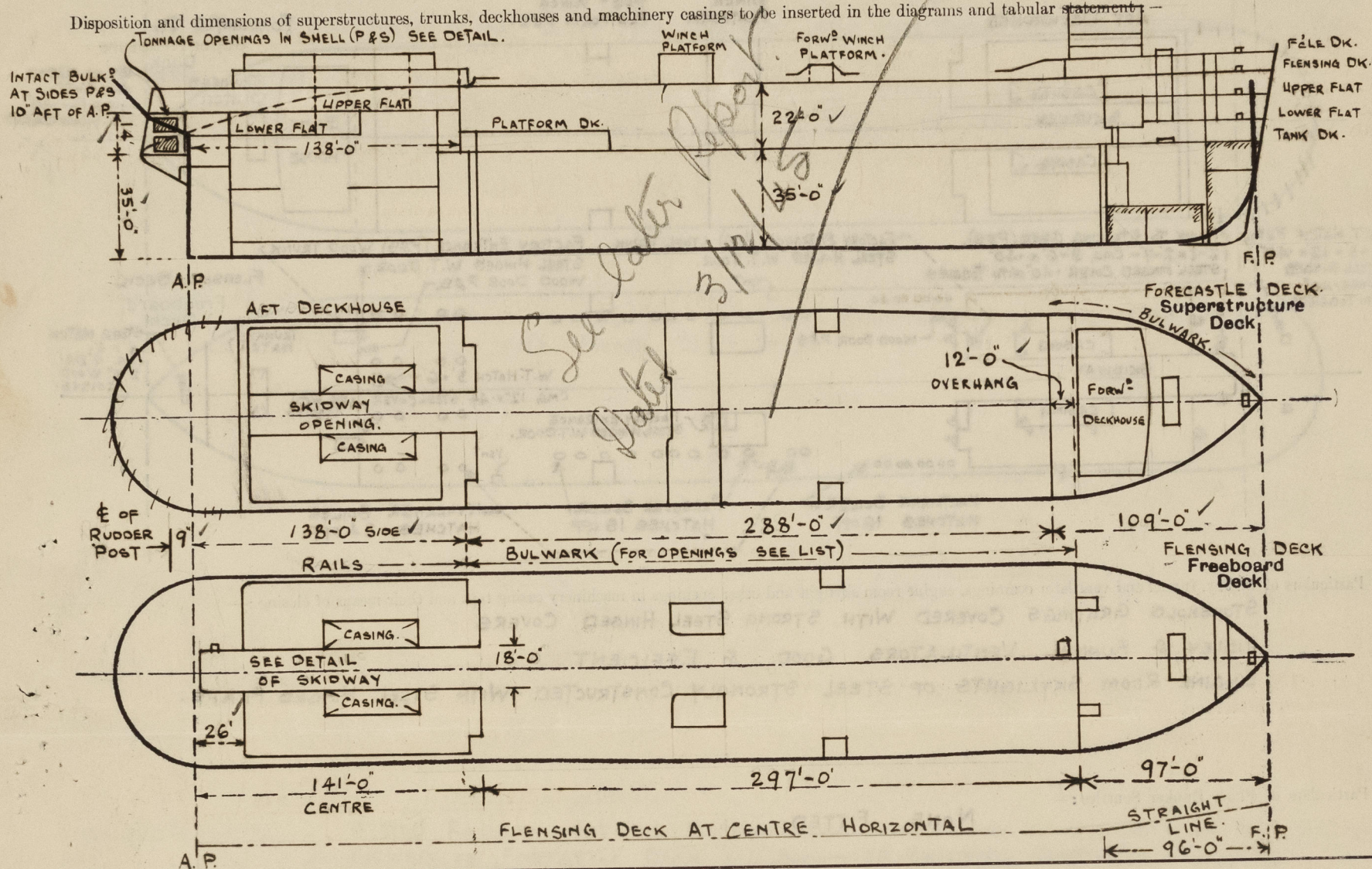
Official Number

Surveyor's Signature H. Young Agent B. Leoni

Nationality and Port of Registry

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.

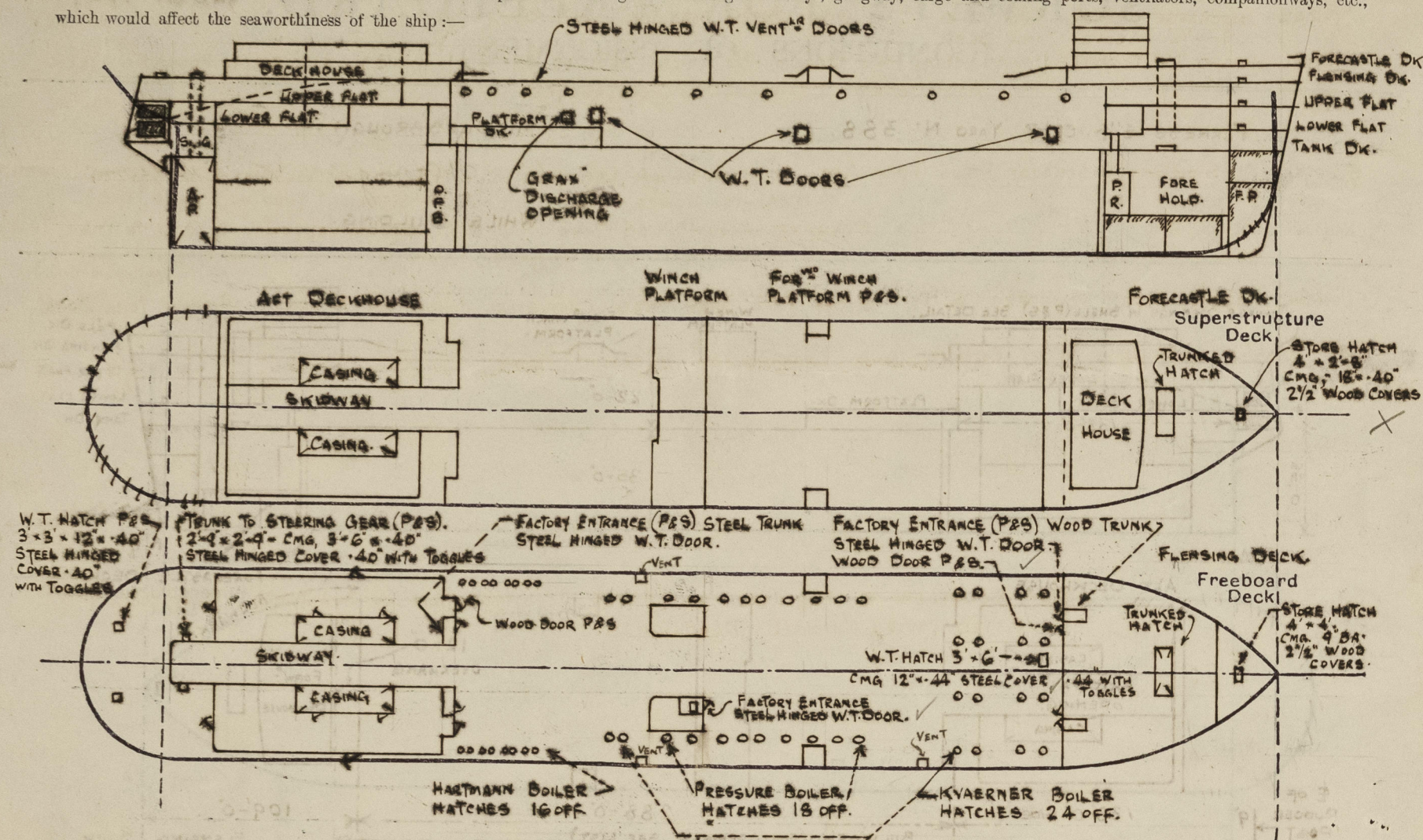
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	✓							
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	✓							
Bridge, Forward Bulkhead ...	✓							
Forecastle Bulkhead ...	.30"	.30"	5" x 3" x .36"	30"	JOINTERS	2, W.T. DOORS 5'-3" x 2'-9"	16"	8'-0" ✓
Trunk, Aft ...	✓							
Trunk, Forward ...	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	SKIOWAY .50"	SIDES .50"	7" x 3" x .40"	30"	BRKTS AT TOP SCARPHED FOR 2'-0" AT BOTTOM	NONE	✓	8'-0" ✓
Exposed Machinery Casings on Superstructure Decks ...	30" x .50"	.36"	CONTINUOUS	"		NONE	✓	8'-0" ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓							
Deckhouses on Flush Deck Ships ...	FORWARD .36"	.36"	5" x 3" x .30"	31"	BRKTS { 2 W.T. DOORS 5'-5" x 2'-3" 2 WOOD " 5'-9" x 2'-9" }		16"	
AFT DECKHOUSE, FLensing DK.	SIDES .34"	.30"	4" x 3" x .36"	30"	BRKTS { 2 " 5'-9" x 2'-9" 2 " 5'-9" x 2'-9" }		12"	8'-0" ✓

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

Poop Bulkhead ...	✓
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	✓
Bridge, Forward Bulkhead ...	✓
Forecastle Bulkhead ...	HINGED W.T. STEEL DOORS P&S MANIPULATED FROM BOTH SIDES (TO FACTORY ENTRANCE)
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 ...	HINGED W.T. STEEL DOORS MANIPULATED FROM BOTH SIDES (5 OFF TO FACTORY ENTRANCES, 8 OFF TO ACCOMMODATION)

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 :

STOKENOLD GRATINGS COVERED WITH STRONG STEEL HINGED COVERS

FIDLEY & FUNNEL VENTILATORS GOOD & EFFICIENT

ENGINE ROOM SKYLIGHTS OF STEEL STRONGLY CONSTRUCTED WITH STEEL HINGED FLAPS.

Particulars of Flush Bunker Scuttles:—

NONE FITTED

Particulars of Companionways :— ON FLENSING DECK.

FACTORY ENTRANCE IN FORECASTLE BULK ² (P&S).	STEEL HINGED W.T. DOOR IN WOOD TRUNK.	16" ILL.
" " " WINCH PLATFORM (S)	" " " " " STEEL	✓ 6" ILL.
" " " AFT DECKHOUSE (P&S)	" " " " " STEEL	16" ILL.

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

FORECASTLE	DECK	LED TO	FORE HOLD	4 OFF,	18" DIA.	36" x 40" COAMING.	
"	"	"	PUMP ROOM	1	12 "	36" x 34 "	
"	"	"	STORE ROOMS	1	12 "	36" x 34 "	✓
"	"	"	ACCOMMODATION. (THERMOTANK)	2	28 "	11'-6" x 40 "	MUSHROOM TOP. EFFICIENTLY STAYED.

LOCATION	ITEM	QTY	SIZE	UNIT	REMARKS
FLENSING DECK.	ROPE STORE.	1	6" DIA	2'-6" x 1/4" (M.I.)	COMING.
"	ON STEERING GEAR TRUNK 3'-6" ABOVE DK.	2	10"	12" x 3/2"	MUSHROOM TOP.
"	LED TO MIDSHIP PUMP ROOM	2	20"	8" x 40"	EFFICIENTLY STAYED.
BOAT DECK.	LED TO ENGINE ROOM EXHAUST	2	22" DIA	2'-6" x 3/8"	MUSH ROOM TOP.
"	ACCOMMODATION (THERMO)ANK.	4	2 1/2" x 2'-6"	1/4"	"
"	ENGINE ROOM SUPPLY	2	27" DIA	TRUNK x 1/4"	"

AFTER DECK LED TO LAUNDRY EXHAUST 2 " 15" DIA. 2'-6" x .36"

FACTORY, EXHAUST VENTS ON FLENSING DECK. 1P & 2S. W.T. COAMING 4'-0" x 2'-10" x 1'-9" TO 3'-0" HIGH x .50" THICK.
BULWARK DOUBLED. STEEL W.T. COVER 5/16" THICK WITH TOGGLES 14" APART. (HINGED).

ALL VENTILATOR COAMINGS CONSTRUCTED IN ACCORDANCE WITH THE RULES &
CLOSED WITH WOOD PLUGS & CANVAS COVERS.

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

AIR PIPES ON FORECASTLE DECK	TO FORE PEAKS LOWER & UPPER	2 OFF	DIA.	GOOSENECK	ANTI-SABOTAGE TYPE. <i>(with different cover)</i>
" " "	N=1 & 2 DEEP TANKS	"	6"	BELLMOUTH	DOUBLE GAUZE & SCREW-UP COVER.
" " "	COFFERDAM 163-4	2 "	3 "	GOOSENECK	ANTI-SABOTAGE TYPE.
" " "	" 185-6	2 "	2 1/2 "	GOOSENECK	WOOD PLUGS & CANVAS COVER.
FLENSING DECK	COFFERDAM 58-9	2 "	3 "	GOOSENECK	ANTI-SABOTAGE TYPE.
" " "	O.F. BUNKER 53-58	2 "	4 "	BELLMOUTH	DOUBLE GAUZE & SCREW-UP COVER
" " "	D.B.: O.F. 36-53	2 "	4 "	"	"
" " "	D.B.: COFFERDAM 35-36	2 "	2 1/2 "	GOOSENECK	WOOD PLUGS & CANVAS COVER.
" " "	D.B.: FRESH WATER 17-35.	2 "	3 "	"	ANTI-SABOTAGE TYPE.
" " "	AFTER PEAK 0-11	2 "	4 "	BELLMOUTH	DOUBLE GAUZE & SCREW-UP COVER.
" " "	DEISEL OIL N=1 53-58	2 "	4 "	"	"
" " "	SETTLING TANK 53-57.	2 "	4 "	"	"
BOAT DECK	CENTRE OF 29-43	1 "	4 "	"	"
" " "	" FW 11-27	1 "	4 "	"	"
FLENSING DECK	AFTER SIDE O.F. 0-11	2 "	4 "	"	"
" " "	COFFERDAM 57-54	2 "	3 "	GOOSENECK	ANTI-SABOTAGE TYPE.
" " "	SIDE O.T. 27-28	1 "	2 1/2 "	GOOSENECK.	WOOD PLUGS & CANVAS COVER.
" " "	CENTRE TOP	"	"	"	"

Air Pipes:- 1'-6" to mouth above flaring & fall deck

Particulars of Gangway Cargo and Coaling Ports:—

STEEL HINGED W.T. CARGO DOORS 3 OFF P&S. ✓
 OF SUBSTANTIAL CONSTRUCTION WITH STRONG BACK
 AND DOG CLIPS 12" APART. (AS APPROVED PLAN).
 "GRAX" DISCHARGE OPENING P&S 2'-0" x 2'-0" WITH VERTICAL SLIDING
 9'-4 1/2" ABOVE TANK DECK *
 STEEL HINGED W.T. VENT^l DOORS 11 OFF P&S 24" DIA. x 3/4" THICK SECURED BY 4-1" TOGGLES, 4'-2" BELOW FLENSING DECK.
 ALL DOORS EFFICIENTLY CONSTRUCTED. ✓

Particulars of Scuppers and Sanitary Discharge Pipes :—

Particulars of Scupper and Sanitary Discharge Pipes — * These doors may only be opened by the master's consent & must
be closed immediately after use.

SCUPPERS & SANITARY DISCHARGE PIPES FROM AFT ACCOMMODATION LED THRO' R.A.N.R. STORM VALVES 2, 3 & 4" DIA. (G.M.
STEEL).
1'-0" ABOVE LOWER FLAT. (WITH AN EFFICIENT TRAP ON UPPER END)

" " " " " FORWARD ACCOM^d LED THRO' R.A.N.R. STORM VALVES 2, 3, & 4" DIA. (G.M.
STEEL).
1'-0" ABOVE FLAT & 1'-6" ABOVE TANK DECK. (WITH AN EFFICIENT TRAP
ON UPPER END).

FLANSING DECK PIPE SCUPPERS 6" DIA. 6 OFF P&S OPEN ENDS. CAST STEEL CONNECTION TO SHELL 11" ABOVE TANK DECK

TANK DECK DRAINED INTO SUMPS AND EMPTIED BY ELECTRIC PUMP. ✓

Particulars of Side Scuttles :—


SIDE SCUTTLES TO FORWARD AND AFTER ACCOMMODATION OF SUBSTANTIAL CONSTRUCTION
FITTED WITH HINGED DEADLIGHTS.

Vertical distance of Sill of lowest Side Scuttle above top of keel..... 46'-6"

Particulars of Guard Rails :—

GUARD RAILS ON AFT END FLENSING DECK 3 RODS, 3'-6" HIGH. WITH STANCHIONS SPACED ABOUT 5'-0" APART.
BULWARK ON FORECASTLE DECK 3'-3" HIGH x .30' EFFICIENTLY CONSTRUCTED & SUPPORTED.
" FLENSING DECK 3'-6" HIGH x .30'

Particulars of Gangways, Lifelines, etc. :— NONE FITTED.

Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side,
ON FLENSING DECK. After Well FROM FORECASTLE BULK ^R TO AFT DECKHOUSE.	312'	3'-6"	3'-0" x 9" 	25 ✓		
Forward Well	✓					
<p>DISTANCE BETWEEN EACH FROM AFT END OF BULWARK:</p> <p>State position of each freeing port { After Well:— 2'-0", 2'-6", 15'-0", 2'-6", 17'-6", 2'-6", 1'-6", 25'-6", 2'-0", 2'-0", 10'-0", 1'-6", 1'-6", 6'-0", 3'-0", 19'-0", 2'-6".</p> <p>(P. and A. position and height above deck edge) { FROM FORECASTLE FRONT, FR157.</p> <p>ALL 11" ABOVE FLENSING DECK. Forward Well:— 13'-3", 2'-6", 32'-0", 1'-6", 17'-6", 3'-0", 15'-6", 3'-0".</p> <p>State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— No.</p> <p>Additional area where sheer is less than standard.</p>						

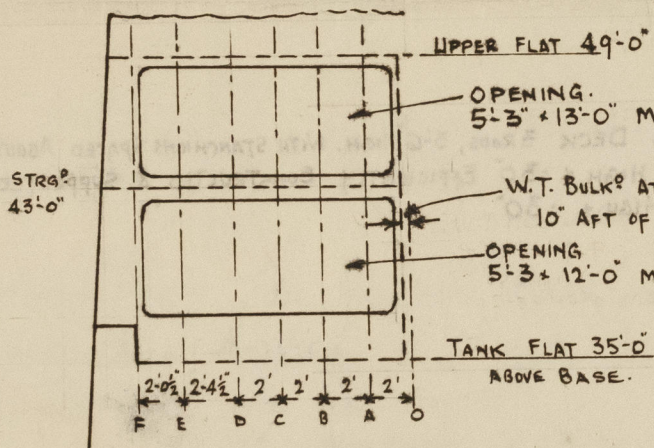
PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway	...	...	FORECASTLE DK.				FLENSING DECK	W.T. HATCHES	To :-
Dimensions of Hatchway	...	...	TRUNKED HATCH				PRESSURE BOILERS	2'-10" x 3'-2" (OVAL)	18 OFF
COAMINGS	Height above Deck	...	2'-7 1/2"				KVAERNER BOILERS	3'-3" DIA.	24 OFF
	Thickness	Sides	...	...	...		HARTMAN BOILERS	2'-0" DIA.	16 OFF
	Stiffeners	Ends	...	...	...	
	Brackets, Stays	...		1. STAY EACH END.					
HATCH BEAMS	Number	...	ONE				COAMINGS :-	8" x 4" x 3/4" O.A.	DECK
	Spacing	...	4'-6"				WITH BOLTED	PLATE COVER .40"	BOLTS 12" APART.
	Scantling and Sketch	...	18" x 35" WEB.						
	Bearing Surface	...	3"						
FORE AND AFTERS	Number	...	...				
	Spacing	...	...				
	Unsupported Lengths	...	...				
	Scantling and Sketch	...	...				
HATCH COVERS	Material	...	WOOD						
	Thickness	...	2 1/2"						
	How fitted	...	SOLID						
	Bearing Surface	...	3"						
Spacing of Cleats	...	...	2' 4"						
Number of Tarpaulins	...	...	2						

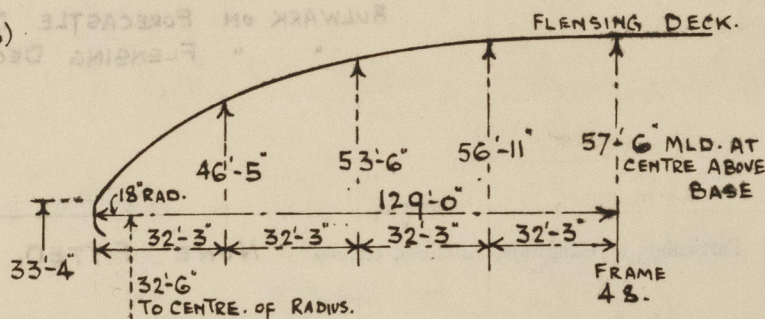
*Are wood fore and afters steel shod at all bearing surfaces? ☒
 Are battens and wedges efficient and in good condition? ☒
 Are tarpaulins in good condition and in accordance with rule requirements? ☒
 Are lashings provided in accordance with rule requirements? ☒

Particulars of any special features :—

DETAIL OF TONNAGE OPENINGS IN STERN P&S.



SKIDWAY OFFSETS.



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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