

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Index No. 57610
(For London Office only).

MAR. 17870.

FURNESS, S.B. CO LTD YARD N: 388
Ship's Name "NORHVAL"

Port of Survey MIDDLESBROUGH

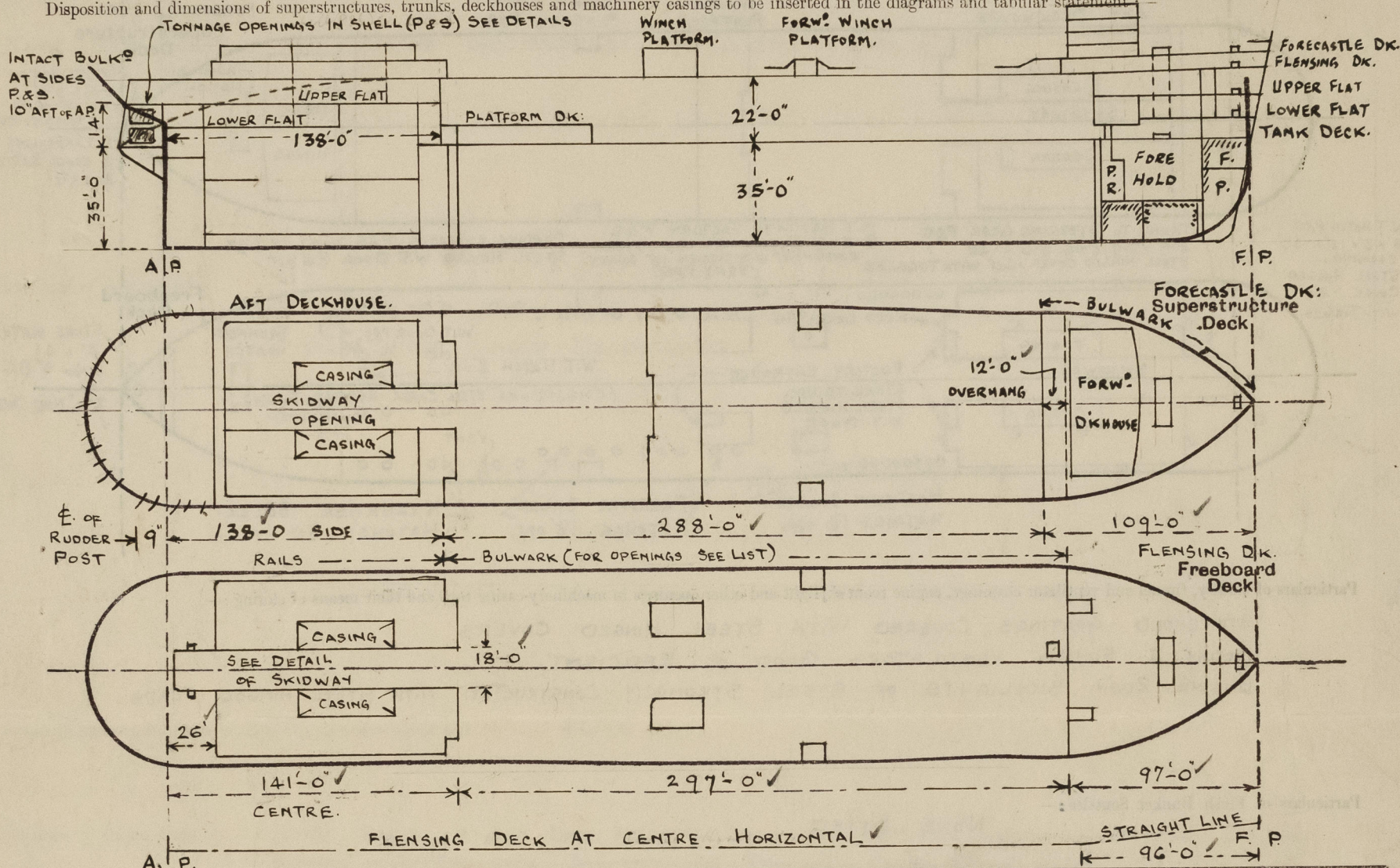
Official Number

Surveyor's Signature *H. C. Young.*

Nationality⁷ and Port of Registry NORWEGIAN, LARVIK.

Date of Survey WHILE BUILDING

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

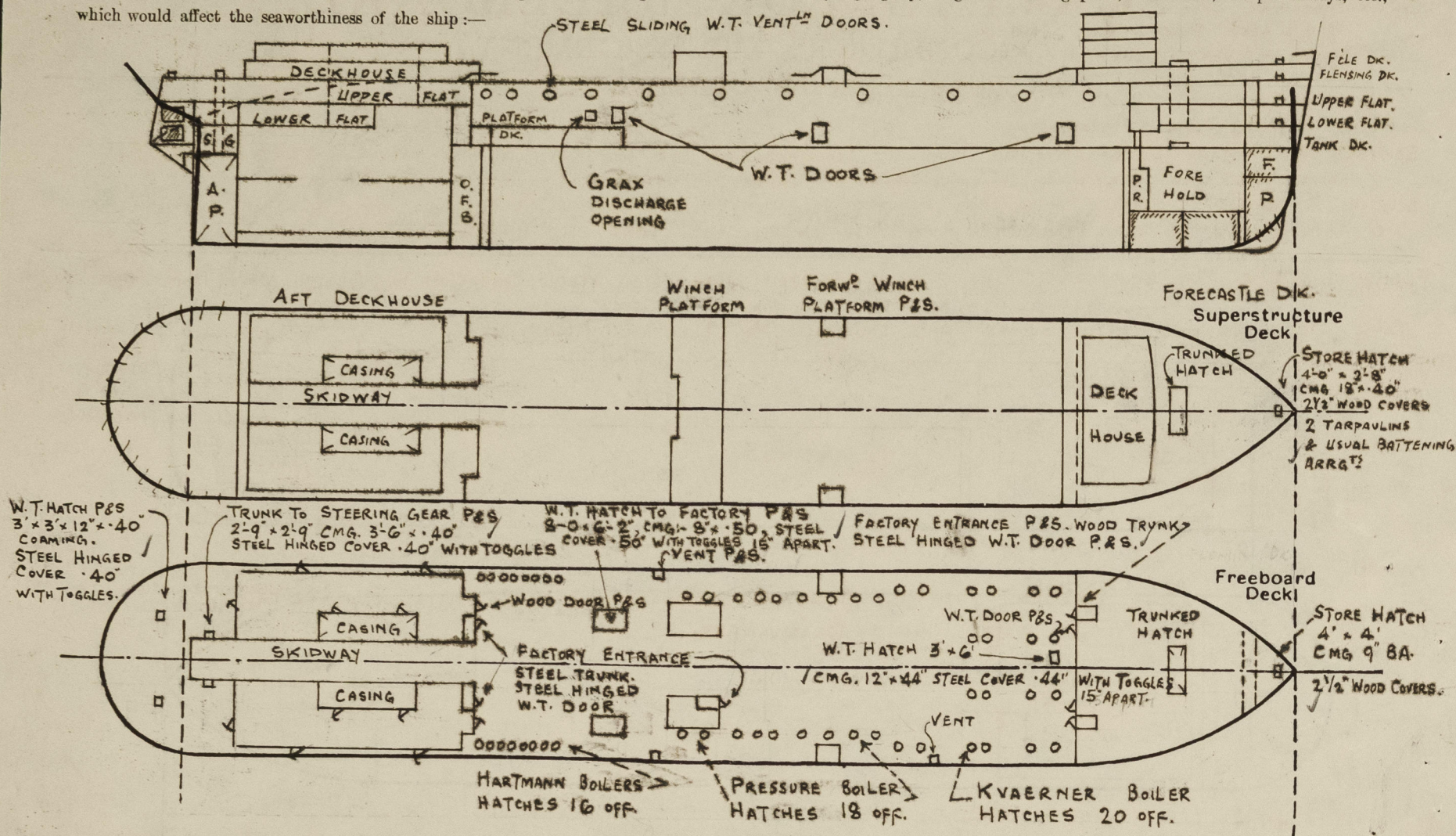


Particulars of Superstructures, Trunks, Casings, Deckhouses.									
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings	
Poop Bulkhead	✓								
Raised Quarter Deck Bulkhead ...	✓								
Bridge, After Bulkhead	✓								
Bridge, Forward Bulkhead	✓								
Forecastle Bulkhead	·30"	·30"	5" x 3" x 36" QA.	30"	JOINTERS.	4 STEEL W.T.D. 5'-0" x 2'-6"	18"	8'-0"	✓
Trunk, Aft	✓								
Trunk, Forward	✓								
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...	SKIDWAY ·50"	SIDES ·50"	7" x 3" x 40" E	30"	BRKT'S AT TOP	NONE	✓	8'-0"	✓
Exposed Machinery Casings on Super-structure Decks	30" x 50"	·36"	CONTINUOUS	30"	SCARPHED FOR 2'-0" AT BOTTOM	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"	BRKT'S { 2 STEEL	W.T. DOORS 5'-3" x 2'-0"	16"		
AFT DECKHOUSE, FLENSING DK.	SIDES ·34"	·30"	4" x 3" x 36"	30"	2 WOOD	DOORS 5'-9" x 2'-6"	12"	8'-0"	
	AFT ·34"	·30"	4" x 3" x 30"	30"	BRKT'S 4	" 5'-4" x 2'-6"	12"		
					✓ 2	" 5'-9" x 2'-6"	12"		

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 & CREW ACCOMMODATION.
Exposed Machinery Casings on Free-board 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. ✓ HINGED WOOD DOORS " " " " " " { 16" COAMINGS. 3 OFF TO FACTORY ENTRANCES ✓ 8 OFF TO ACCOMMODATION. 12" COAMINGS

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:—

STOKEHOLD GRATINGS COVERED WITH 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 BULK² (P&S). STEEL HINGED W.T. DOOR IN WOOD TRUNK. 18" COAMING.

" " " WINCH PLATFORM HOUSE (S). " " " " " STEEL " 15" ✓

"	"	"	AFT DECKHOUSE (P&S)	"	"	"	"	"	STEEL	"	16"
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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 (THERMO TANK)	2	28"	11-6" x 40"	MUSHROOM TOP. EFFICIENTLY STAYED.
"	"		1	24" x 19"	36" x 34"	

FLENSING " " ROPE STORE 1 " 6" DIA. 2'-6" x 1/4" (M.I.) COAMING. ✓
ON STEERING GEAR TRUNK 3'-6" ABOVE DECK 2 " 10" " 12" x 32" MUSHROOM TOP ✓
LED TO MIDSHIP PUMP ROOM 2 " 20 " 8'-0" x 4'-0" EFFICIENTLY STAYED. ✓

BOAT	DECK	LED TO	ENGINE ROOM EXHAUST	2"	22"	2'-6"	+ 36"	MUSHROOM TOP.
"	"	"	ACCOMMODATION (THEM/TANK.)	4"	2'-9"	2'-6"	+ 1/4"	"
"	"	"	ENGINE ROOM SUPPLY	2"	27"	DIA TRUNK	+ 1/4"	"

AFTER " " " 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 $\frac{5}{16}$ " 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	OK TO MORE PEAKS LOWER & UPPER	2 off	4" DIA.	GOOSENECK	WOOD PLUGS.
" " " "	" N: 122 DEEP TANKS	1 "	6 "	BELLMOUTH	DOUBLE GAUZE & SCREW-UP COVER
" " " "	" COFFERDAM 163-4	2 "	3 "	GOOSENECK.	WOOD PLUGS.
" " " "	" 185-G	2 "	2 1/2 "		

"	FLENSING "	COPPERDAM 58-9	2 "	3 "	GOOSENECK.	WOOD PLUGS
"	"	O.F.BUNKER 53-58	2 "	4 "	BELLMOUTH	DOUBLE GAUZE & SCREW-UP COVER.
"	"	D.B. OF 36-53	2 "	4 "	"	" " " "
"	"	D.B. COAM 35-36	2 "	2 1/2 "	GOOSENECK.	WOOD PLUGS
"	"	D.B. FRESH WATER 17-35	2 "	3 "	"	" " " "
"	"	AFTER PEAK O-II	2 "	4 "	BELLMOUTH	DOUBLE GAUZE & SCREW-UP COVER
"	"	DEISEL OIL N°1 53-58	2 "	4 "	"	" " " "
"	"	SETTLING TANK 53-57	2 "	4 "	"	" " " "
"	BOAT DK.	CENTRE O.F. 28-48	1 "	4 "	"	" " " "
"	"	F.W. II-27	1 "	4 "	"	" " " "
"	FLENSING DK.	AFTER SIDE OF O-II	2 "	4 "	"	" " " "
"	"	COAM 57-58 SIDE O.T.	2 "	3 "	GOOSENECK	WOOD PLUGS.
"	"	27-28 CENTRE TOP	1 "	2 1/2 "	"	" " " "

ALL AIR PIPES 18" HIGH. ✓

Particulars of Gangway Cargo and Coaling Ports:—

STEEL HINGED W.T. CARGO DOORS 3 off P&S } FORE DOOR 5' x 3'-6" x .70" THK: 5'-0" ABOVE TANK DECK. ✓
 OF SUBSTANTIAL CONSTRUCTION WITH STRONG BACK. } MIDSHIP " 5' x 3'-6" x .70" THK: 5'-0" " " " ✓
 AND DOG CLIPS 12" APART. (AS APPROVED PLAN). } AFT " 5' x 3'-0" x .70" THK: 2'-3" " PLATFORM " ✓
 " GRAX DISCHARGE OPENING P&S 2'-0" x 2'-0" WITH VERTICAL SLIDING W.T. DOOR CONTROLLED BY HAND SCREW GEAR ALONGSIDE.
 9'-4 1/2" ABOVE TANK DECK. (SPECIAL NOTICE FITTED IN A PROMINENT POSITION). SEE LETTER 10-12 JULY 1945. ✓
 STEEL SLIDING W.T. VENT^{LS} DOORS 11 off P&S. 24" dia. x 3/4" THICK SECURED BY 4-1" TUGGLES, 4'-2" BELOW FLENSING DECK.

ALL DOORS EFFICIENTLY CONSTRUCTED. ✓

Particulars of Scuppers and Sanitary Discharge Pipes :—

SCUPPERS & SANITARY DISCHARGE PIPES FROM AFT ACCOMMODATION LED THRO' R.A.N.R. STORM VALVES 2, 3, 4, 8 5 DIA. (GUNMETAL)
1'-0" ABOVE LOWER FLAT. WITH AN EFFICIENT TRAP ON UPPER END. FROM SPACES ON UPPER FLAT.

SCUPPERS & SANITARY DISCHARGE PIPES FROM FORWARD ACCOMMODATION LED THRU R.A.N.R. STORM VALVES 2 3/4" DIA. GUNMETAL 1'-0" ABOVE FLAT & 1'-6" ABOVE TANK DECK. WITH AN EFFICIENT TRAP ON UPPER END.

FLENSING 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 & 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 FLENSING DECK 3'-6" HIGH x .30" EFFICIENTLY CONSTRUCTED & SUPPORTED.
" FORECASTLE " 3'-3" " 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 FLEETING DECK Aft of Well FROM FORECASTLE				23 S.		
BULK ² To Aft DECKHOUSE	312'	3'-6"	3'-0" x 9"	24. P.	50 ^{a'}	40 ^{a'} ✓
Forward Well	✓					

DISTANCE BETWEEN EACH.		FROM AFT END OF BULWARK.
State position of each freeing port	After Well:— 2'-0", 2'-6", 15'-0", 2'-6", 17'-6", 2'-6", 1'-6", 25'-6", 4'-0", 10'-0", 1'-6", 1'-6", 6'-0", 3'-0", 19'-0", 2'-6" = 16.
		FROM FORECASTLE FRONT FR 157.
(F. and A. position and height above deck edge)		Forward Well:— 13'-3", 2'-6", 32'-0", 1'-6", 17'-6", 3'-0", 15'-6", 3'-0" = 8

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— No.

Additional area where sheer is less than standard.

- SOUNDING PIPES. -

DECK PIECES 10" HIGH WITH FLANGE
TO TAKE EJECTORS. BRASS SCREW
PLUGS CHAINED TO PIPE.

TO O.F. & F.W. d. b. TANKS
4'-0" ABOVE TANK TOP, FITTED
WITH SELF-CLOSING VALVES.

COFFERDAM d. b. TANK. 4'-0" ABOVE
TANK TOP. FITTED WITH
NON- DETACHABLE SCREW PLUG.

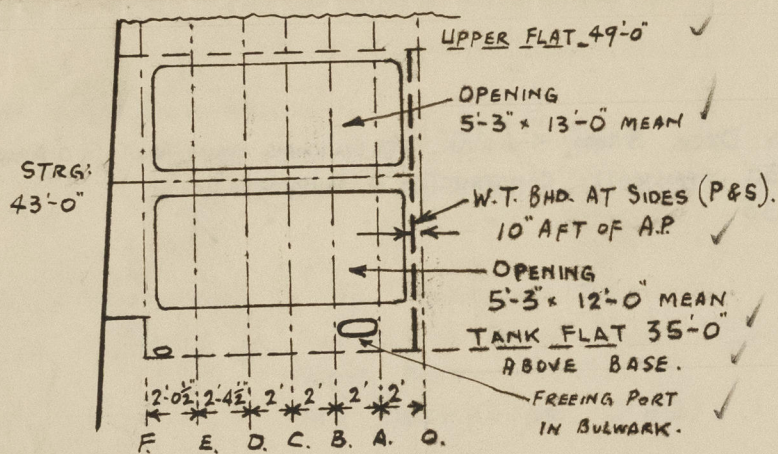
PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										
Description of Hatchway		FORECASTLE DECK.				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	9' 18"				KVAERNER BOILERS 3'-3" DIA.		20 OFF.		
	Thickness	Sides	2'-7 1/2" ✓			HARTMANN. BOILERS 2'-0" DIA.		16 OFF.		
		Ends	44" ✓							
	Stiffeners	7 x 3 x 40 BA. EACH END. ✓								
Brackets, Stays		1" STAY.				COAMINGS :- 8" x 4" x 3/4" O.A.		DECK		
HATCH BEAMS	Number	ONE				WITH BOLTED PLATE COVER 40". BOLTS 12" APART.				
	Spacing	4'-6" ✓								
	Scantling and Sketch	18" x 35" WEB. ✓								
		3 1/2" x 3" x 44" O.A. ✓								
Bearing Surface	3" ✓									
FORE AND AFTERS	Number									
	Spacing									
	Unsupported Lengths									
	Scantling* and Sketch	✓								
HATCH COVERS	Material	WOOD								
	Thickness	2 1/2" ✓								
	How fitted	SOLID, F&A.								
	Bearing Surface	3" ✓								
Spacing of Cleats		24" ✓								
Number of Tarpaulins		2 ✓								

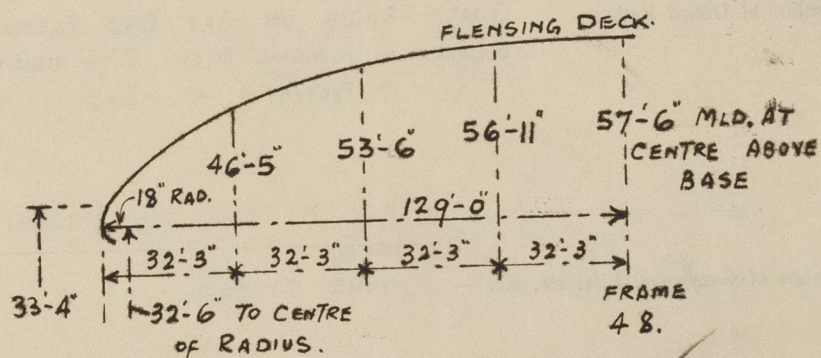
*Are wood fore and afters steel shod at all bearing surfaces? ✓
 Are battens and wedges efficient and in good condition? yes.
 Are tarpaulins in good condition and in accordance with rule requirements? yes.
 Are lashings provided in accordance with rule requirements? yes.

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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