

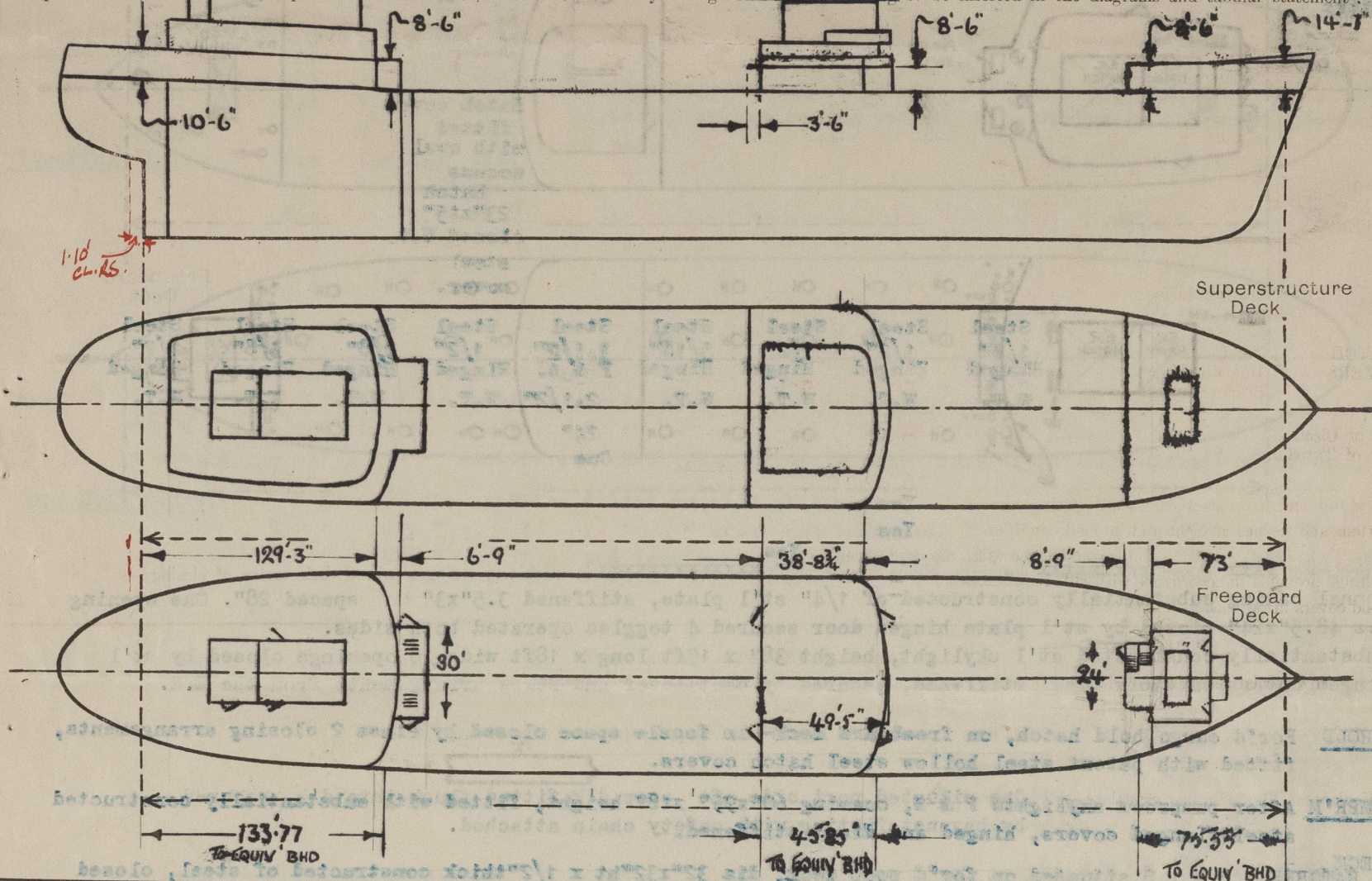
LLOYD'S REGISTER OF SHIPPING

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UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name **SOVAC RADIANT.**Port of Survey **PALERMO.**Official Number **1351F**Surveyor's Signature *H. E. Evans*Nationality and Port of Registry **PANAMA.**Date of Survey **1st, 3rd, 4th, 6th, 8th, 10th, 12th. Aug 1955**Disposition and dimensions of superstructures, ~~trunks~~, deckhouses, machinery casings ~~and other structures~~ to be inserted in the diagrams and tabular statement:

Particulars of Superstructures, Trunks, Casings, Deckhouses.

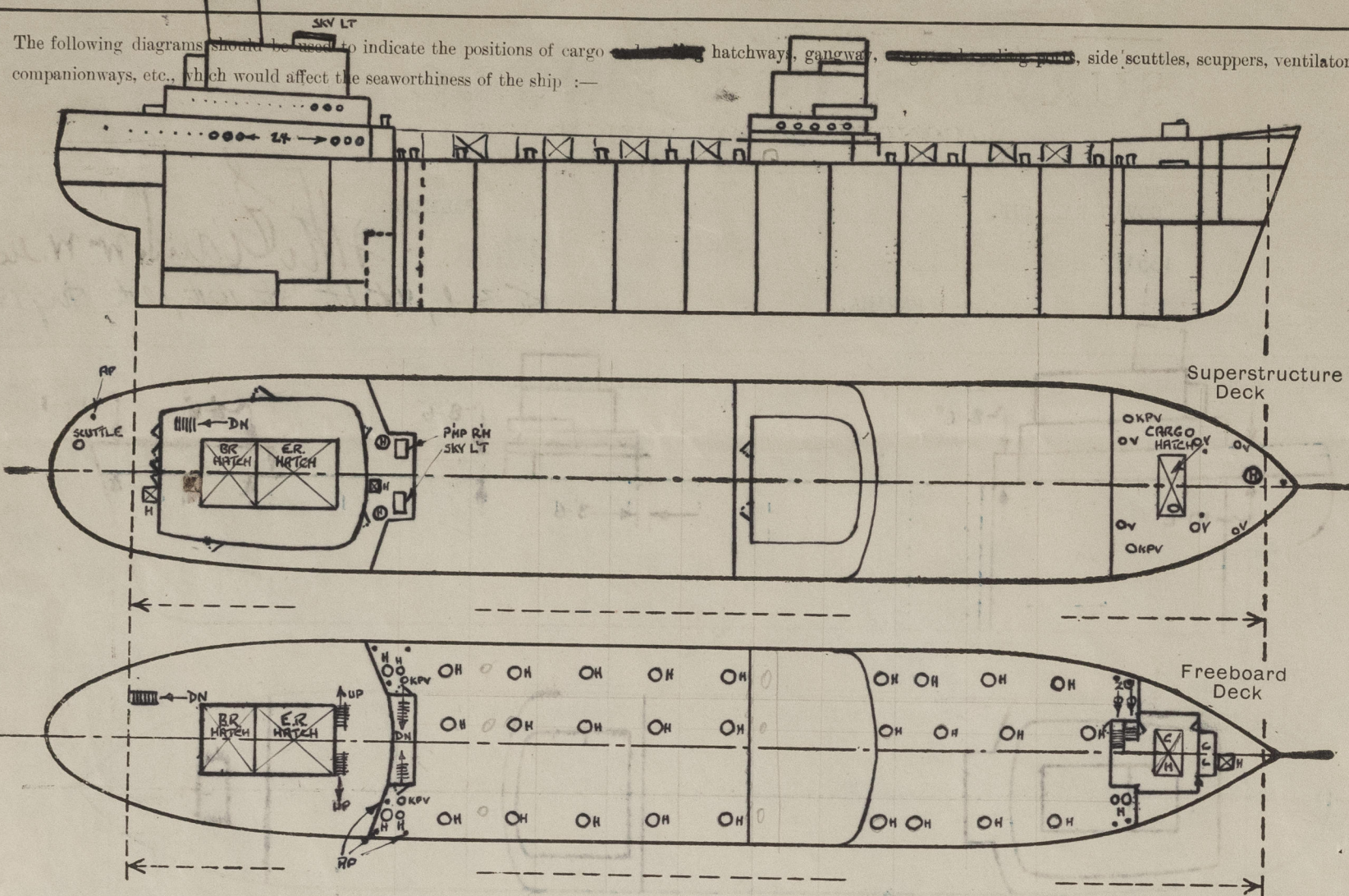
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height, Bank between D'ks.
Poop Bulkhead (IN WAY OF PUMP ROOM)	-	7/16"	3.5x2.5x0.25	30"	Nil Stiff's shaped.	Nil	-	102"
Raised Quarter Deck Bulkhead	-	-	-	-	-	-	-	-
Bridge, After Bulkhead	-	5/16"	4x3x0.25	30"	Top welded to beams, bot' shaped.	One P&S 60x28 One S 61x49	18.5	102"
Bridge, Forward Bulkhead	-	3/8"	11x4.5x3/8"	30"	Welded to D'k top and bot'	One P&S 28 x 60 One S 28x60	18.5	102"
Forecastle Bulkhead	-	5/16"	3.5x2.5x1/4"	30"	Stiff's shaped T & B	1P&S 48x38 " 28x60	23	102"
For'd secondary foc's'le bulkhead	-	3/8"	6x4x3/8"	30"	Welded to D'k top & bot'	1P. 63x28 1S. 62x50	15.5 23	102"
Trunk, Forward	-	-	-	-	-	-	-	-
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	-	-	-	-	-	-	-	-
Exposed Machinery Casings on Superstructure Decks (Boat D'k)	-	5/16"	4x3x3/8"	36"	Alternative stiff's b'kts top	60x28	16.5	137"
Machinery Casings within Superstructures	Main D'k 5/8	5/16"	4x3x3/8"	28"	"	66x28	13.5	-
Poop D'k	-	"	"	"	"	"	15	-
Aft' Pump Room Entrances	-	3/8"	10x4.5x0.5	30"	Welded to D'k at bot'm. Welded and b'kt to D'k at top.	28x60	18.5	102"

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

Poop Bulkhead	NO OPENINGS.
POOP HOUSE Deck Bulkhead	Substantially constructed st'l deck house enclosing E.R. casing - closed by st'l W.T. doors covering openings 60x26, sills 15", doors secured 6 toggles operated both sides.
Bridge, After Bulkhead	1.P & 1.S closed hinged st'l W.T. doors, operated both sides, secured 6 toggles. 1.S closed rect' st'l plate diag' stiffened, secured 14 hook bolts.
Bridge, Forward Bulkhead	1.P & 1.S closed hinged St'l W.T. doors, 6 toggles, operated both sides.
Forecastle Bulkhead	1.P & 1.S closed rect' st'l plates, diag' stiffened, secured with hook bolts. 1.P & 1.S closed hinged W.T. st'l doors, secured 6 toggles, operated both sides.
Exposed Machinery Casings on Superstructure Decks (Boat D'k)	FOC'S'LE ENCLOSED. (NOTE: The p.s. door is for access to for'd pump r'm) P.s. Hinged st'l door secured lock, operated both sides. S.s. Rect' st'l plate, diag' stiffened, secured hook bolts.
Machinery Casings within Superstructures	1.P 60x28 fitted hinged st'l W.T. door secured 6 toggles, operated both sides
Aft' Pump Room Entrances	1.P & 1.S closed hinged st'l plate doors, operated both sides, situated on poop d'k level. 2.P & 2.S closed hinged st'l plate doors, operated both sides, situated on main d'k level.
	1.P & 1.S closed hinged st'l W.T. doors, operated both sides, secured 6 toggles.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

The following diagrams should be used to indicate the positions of cargo hatchways, gangways, companionways, etc., which would affect the seaworthiness of the ship :-



Particulars of funnels, funnel coamings, engine room skylight and other openings in machinery casing tops and their means of closing :-
Funnel casing substantially constructed of 1/4" st'l plate, stiffened 3.5"x3" spaced 28". One opening p.s 48.5"x24" closed by st'l plate hinged door secured 4 toggles operated both sides.
Substantially constructed st'l skylight, height 38" x 19ft long x 18ft wide, 8 openings closed by st'l hinged covers suitably diag' stiffened, secured by cantilever and screw arrangements from the E.R.

Particulars of Flush Bunker Scuttles :- One situated port side aft' poop d'k fitted flush into d'k, secured by bayonet fitting with safety chain attached.

Particulars of Companionways :-
(including those incorporated in deckhouses and masthouses)
POOP DECK:- 2 st'l companionways situated at for'd end Eng^{rs} alleyway (p & s) leading down to the main deck. Also 1 (p.s.a.) from crew mess quarters to main d'k. All the above enclosed by accommodation casing. The openings to same (8) closed by st'l W.T. doors. COAMINGS 15".
MAIN DECK:- 1 st'l companionway to for'd cargo hold and 1 to for'd pump-room, contained within the focsle space. Pumps room door must have all 24"
2 st'l companionways to aft' pumproom, enclosed in pumproom casing. 1 st'l companionway in steering flat from main d'k, closed with W.T. door. GRANT HAVE WITH 24" TO DOORWAY

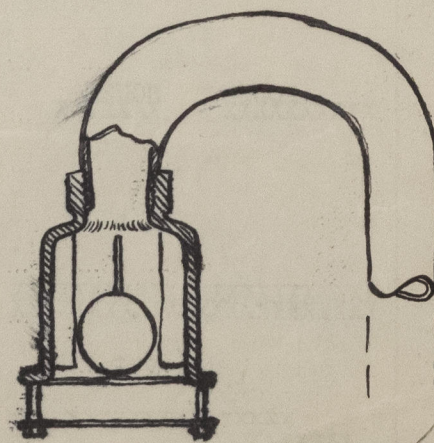
Particulars of Ventilators in exposed positions on freeboard and superstructure decks :-
FOC'S'LE DECK:- 2 - 12 3/4" dia', ht of coaming 36", to p & s focsle space.)
2 - 24" " " " 39", to cargo hold for'd.) All coamings fitted with steel covers secured with toggle screws.
2 - 12" " " " 39", to cargo hold aft.)
2 - 26" " , sampson post vent's to pumproom space.)
MAIN DECK:- 2 - 26" " , sampson post vent's to pumproom space aft

POOP DECK:- Note/ Accommodation and machinery space ventilation is forced circulation with air intakes situated in the side casing of the Eng-room, on the poop boat deck.

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

FOC'S'LE DECK:- 1 - 6.75" dia, height 38" from the fore peak tank.
2 - 3.5" " " 42" from p&s of No1 deep O.F. tanks.
MAIN DECK:- 2 - 7.75" " " 36" from p&s of No2 " " "
2 - 7.75" " " 36" from p&s of for'd cofferdam.
2 - 3.5" " " 36" from p&s hatches of No 2 deep bunker tanks.
2 - 3.5" " " 36" from p&s hatches of for'd cofferdam.
2 - 3.5" " " 36" from p&s of aft cofferdam.
2 - 6.75" " " 76" from p&s of aft wing bunker tanks.
2 - 6.75" " " 76" from p&s of Eng-room settling tanks.
1 - 3" " " 34" from the aft peak tank.

All the above air pipes fitted with goosenecks and bell mouths, gauges, and closed by metal ball contained in bell mouths



Particulars of Gangway Cargo and Coaling Ports :-

NILL

Particulars of Scuppers and Sanitary Discharge Pipes :-

Scuppers:- Scupper pipes draining the main deck, 5.75" dia (heavy gauge) - 8 p & s, passing through deck stringer at the side and discharging through opening in the sheer strake.

Sanitary Discharges:- Lower bridge space/ 1 p & s 6.75" dia G.M.non-return storm valve, discharging through opening in side plating, above freeboard deck, from Officer's accommodation toilets, etc.

Engine room:- P & S 1 - 4.5" dia
1 - 6.75" dia

Boiler room:- S.s 2 - 6.5" dia
1 - 4.5" dia
P.s 2 - 4.5" dia
2 - 6.5" dia

Steering Flat:- P.s 1 - 4.5" dia
1 - 6.5" dia
S.s 1 - 4.5" dia

Discharging through ships side plating below freeboard deck, through screwed down non-return valves, from Officer's and crew accommodation in poop.

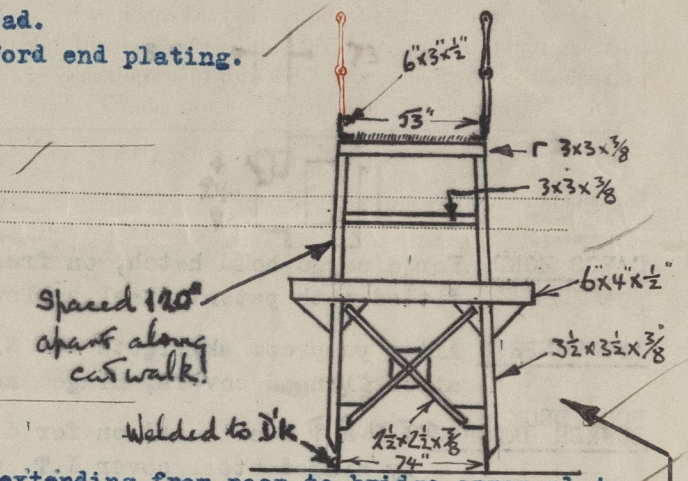
No SCUPPERS OR DISCHARGES OVERBOARD FROM SPACES BELOW THE FREEBOARD DECK.

Particulars of Side Scuttles & Deadlights :-

Poop:- 26 p & 24 s - 16" dia G.M. scuttles and deadlights fitted in poop side plating.
1 p & 1 s - 16" dia " " " " " front.
1 centre - 12" dia " scuttle and deadlight fitted in poop front. (opening into aft pumproom.)

Poop Deck House:- 17 - p&s 16" dia scuttles fitted in side plating.
5 - 16" " " " " after end bulkhead.
2 - 16" " " " and deadlights fitted in ford end plating.

Vertical distance of Sill of lowest Side Scuttle above top of keel. None below freeboard deck.
Distance from amidships to centre of lowest Side Scuttle.



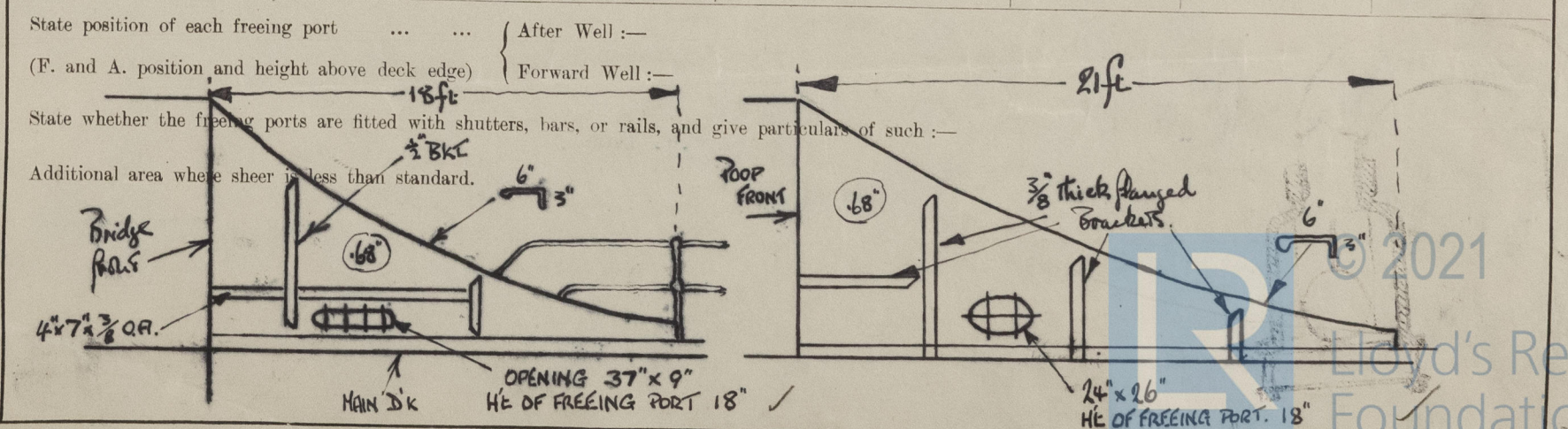
Particulars of Guard Rails & Bulwarks :-

MAIN DECK. (Aft):- 2 tier guard rails 43" high in stanchions 69" apart extending from poop to bridge apron plate at p&s sides.
(ford):- 2 " " " 43" " " " 64" " " " bridge side to focsle side.
FOC'S'LE D'K:- End and 2/3 sides of focsle deck protected by 2 tier guard rails 43" high in stanchions 68" apart, remainder protected by strongly constructed bulwarks.
BRIDGE:- Sides and ends protected by strongly constructed bulwarks.
POOP :- 2 tier guard rails 43" high in stanchions 60" apart at sides and ford end.

Particulars of Gangways, Lifelines, etc. :-
Gangway through centre of vessel, constructed of steel, passing from focsle deck to bridge house and from bridge house to poop, with access ladders at sides led down to freeboard deck, protected by stanchions 64" apart, height 43" with two tier chains stretched in between. RATES STANCHIONS AND CHAINS FITTED BOTH SIDES.

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 ...						
Forward Well ...						



PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS												
FREEBOARD DECK.												
FOCSLE D'K POOP DECK FOCSLE D'K												
Description of Hatchway	...	...	...	30 cargo hatches	Two P&S to fore deep tanks	3 P&S to hatch store.	Small hatch to hold.	Hatch to ford hold.	Hatch to ford hold.	Hatch to CO2 room;	Hatch to provision store.	Hatch to focsle space.
Dimensions of Hatchway	...	...	...	49"dia	22.5"dia	31"dia	48"x48"	120x240"	120x240"	37"x37"	50"x42"	32"dia
COAMINGS	Height above Deck	...	...	32"	23"	32"	9.5"	10"	25"	25"	25"	32.5"
	Thickness Sides	...	...	1/2"	1/2"	1/2"	3/8"	1/2"	1/2"	3/8"	3/8"	1/2"
	Stiffeners Ends	...	...	-	-	-	-	-	7x4x0.5"	-	-	-
	Brackets, B&B	...	...	-	-	-	-	-	3/8" Flanged	-	-	-
	Number	...	...	-	-	-	-	-	-	-	-	-
Spacing	...	...	...	-	-	-	-	-	-	-	-	-
Scantling and Sketch	...	...	...						
FORE AND AFTERS	Bearing Surface	...	...							
	Number	...	...							
	Spacing	...	...							
	Unsupported Lengths Scantling* and Sketch	...	...							
HATCH COVERS	Bearing Surface	...	...							
	Material	...	...	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	Thickness	...	...	1/2"	1/2"	1/2"	5/16"	3 1/2"	1/2"	5/8"	3/8"	1/2"
	How fitted Bearing Surface	...	...	Hinged W.T.	Hinged W.T.	Hinged W.T.	Hinged W.T.	F&A 2 1/2"	Hinged W.T.	Hinged W.T.	Hinged W.T.	Hinged W.T.
Spacing of Cleats	...	...	...						
Number of Tarpaulins...	...	...	...						

*Are wood fore and afters steel shod at all bearing surfaces? **Yes**

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? **=**

Are wood covers fitted with galvanised end bands? **=**

Particulars of any special features:— (Timber Deck-cargo Fittings, Skylights, Sewage Systems, Ash Ejectors, Rubbish Shoots, etc.)

CARGO HOLD For'd cargo hold hatch, on freeboard deck, in focsle space closed by class 2 closing arrangements, fitted with patent steel hollow steel hatch covers.  12' 3.5' PATENT COVERS 3/16" THK, FITTED IN ONE LENGTH, 10'-0" LONG, & WITHOUT BEAM.

AFT PUMPR'M After pumproom skylights P & S, coaming 60"x99" x18" height, fitted with substantially constructed steel flanged covers, hinged and disc stiffened.

POOP DECK
BUNKER HATCHES THE POOP DECK is situated on for'd poop deck, dia 32"x32"ht x 1/2"thick constructed of steel, closed by hinged steel cover W.T. secured by strong back and locking screw. Cover also fitted with ullege cap.

Butterworth
openings In main deck 12.5" dia, fitted with brass covers, secured studs and nuts - 4" in each centre tank covers & openings
and 2 to each wing tank.

Cargo Tank air
pipes Fitted into each hatch coaming, ~~XXXXXX~~ 6.5" dia led to manifold on catwalk and thence to discharge pipes on sampson posts.

Cargo Tank
Hatch Covers Fitted with 10" dia ullege caps.

[illegible]