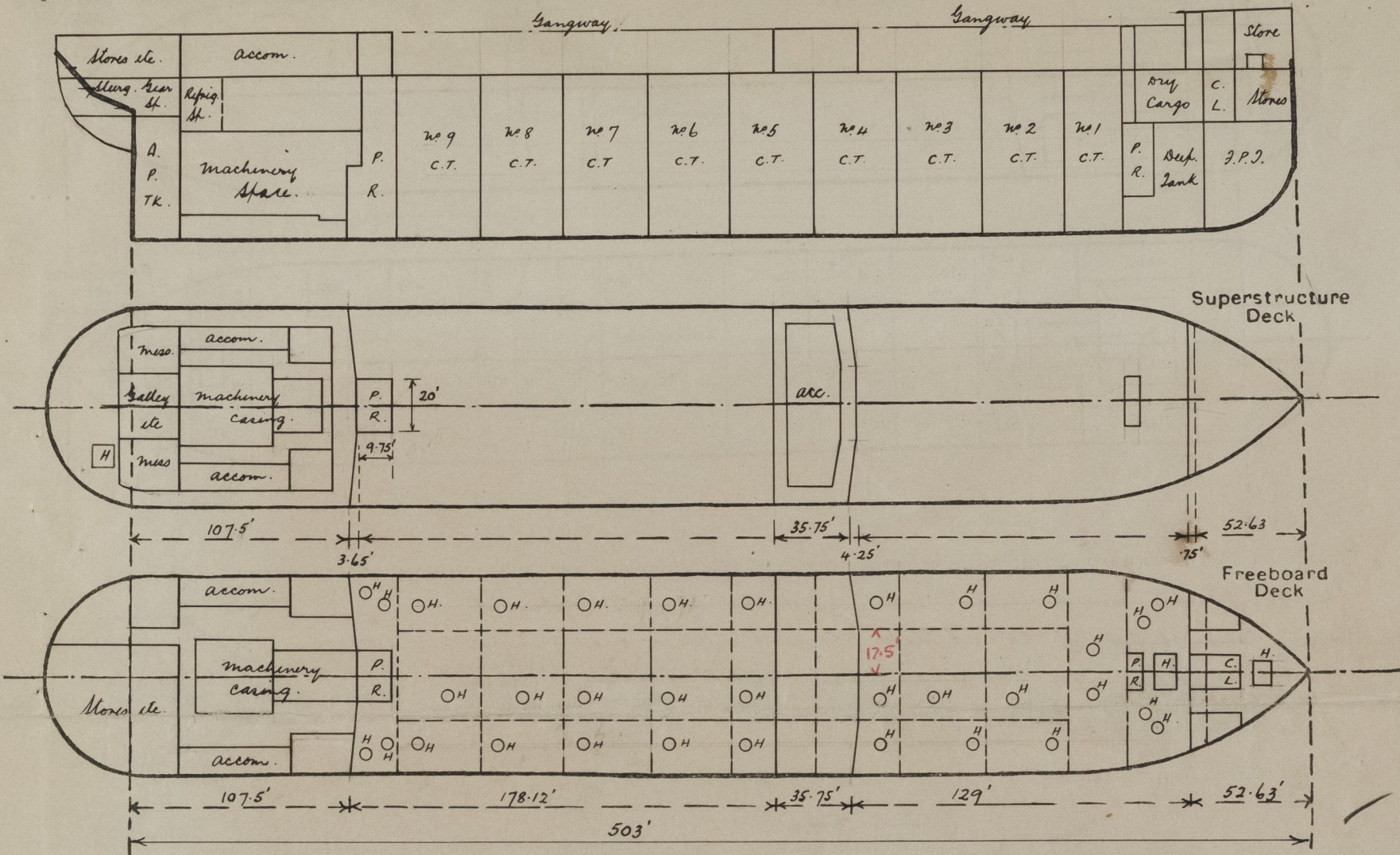


Lloyd's Register of Shipping.  
SURVEYS FOR FREEBOARD.  
(CONDITIONS OF ASSIGNMENT.)

Ship's Name ESSO FRANCE EX.S.S. GRAVENHORN in Sedan Port of Survey New York  
Official Number \_\_\_\_\_ Surveyor's Signature J. Todd  
Nationality and Port of Registry French, Le Havre Date of Survey 26<sup>th</sup> May to 23<sup>rd</sup> July 1947

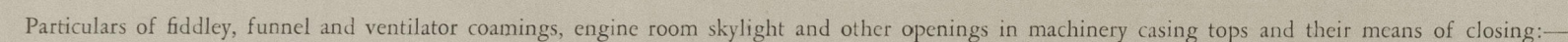
Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement:—



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"	9" x 4" x 44" FL.P.	30"	E.W. top and bottom.	60" x 28"	18"	8-0'
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...	-	38"	4" x 3" x 38" O.A. INV.	30"	R.O.	51" x 61" T.O. 60" x 28" W.T.D.	18"	8-0'
Bridge, Forward Bulkhead ...	-	44"	9" x 4" x 44" FL.P.	30"	R.O.	60" x 28"	18"	8-0'
Forecastle Bulkhead ...	-	31"	3 1/2" x 3" x 38" O.A. INV.	30"	Bracketed at top. sniped at bottom.	60" x 28" W.T.D. 71" x 15" T.O.	18" 13 1/2"	10-0'
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 ...	Note: Steel hinged doors 63" x 29" with 16" sills fitted in machinery casing in Poop space.							
Particulars of Closing Appliances (state if capable of being manipulated from both sides).								
Poop Bulkhead ...	Steel hinged W.T. Doors (I.P. 15.) Capable of being manipulated from both sides.							
Raised Quarter Deck Bulkhead ...	Steel hinged W.T. Doors (I.P. 15.) Capable of being manipulated from both sides.							
Bridge, After Bulkhead ...	Sonnage opening with portable plate and hook bolts (S.S.)							
Bridge, Forward Bulkhead ...	Steel hinged W.T. Doors (I.P. 15.) Capable of being manipulated from both sides.							
Forecastle Bulkhead ...	Steel hinged W.T. Doors (I.P. 15.) Capable of being 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 ...								



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:—



vent grid

baffle

steel shutters over openings

opening

casing top

Section

Scale  $\frac{1}{8}" = \frac{1}{4}"$

## Particulars of Flush Bunker Scuttles:—

none.

## Particulars of Companionways:—

Particulars of Companionways:—  
Access to aft Pump Room of 44 plating with 9" x 14" x 44" flanged plate stiffeners E.W. top and bottom spaced 30" apart with steel hinged W.I. door (P.T.S) 60" x 26" capable of being manipulated from both sides and having 18" sill.  
 Top of Pump Room entrance fitted with 2 skylights each having 2 hinged flaps with securing device.  
Access to Ford. Pump Room of 31 plating with 5" x 3 1/2" x 31" O.A. inv. stiffeners on forward bulkhead and 3 1/2" x 2 1/2" x 31" on aft bulkhead all spaced about 28" apart, E.W. at top and sniped at bottom with steel hinged W.I. door 60" x 26" (P.S) capable of being manipulated from both sides, having 18" sill.

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

Forecastle Deck  
1-12" dia. M.V. with screw lock, 33' to opening, Coaming .38, to Fore Peak Stove  
1-12" " cold vent coaming 59" high, suitably supported x .38 to Forecastle Store.  
1-12" " " " .38" Coaming 42" above Forecastle Deck and suitably stayed to Forecastle Front, to Forecastle Store (S.S.)

Ford Pump Room Top.  
2-15" dia cowl vent coamings 36" x 38" to Pump Room (1P, 1S.)

Bridge Deck  
4-12" dia. Cowl Vents Coaming 34" x 38" to Bridge Deck. (2P. 2S.)

Pool Deck.  
1-10" dia. S.N.V. opening 32" above deck, coaming .38" to aft Peak Stone (S.S.)  
1-12" x 8" " " 24" " " " .38" \* Pool Space accom. (P.S.)

1-16" dia. M.V. " 5'0" " " " 38" suitably supported & fitted with closing disc, to steering gear flial (p.s.)

Upper Deck  
2-18" dia. coo'l vents .50" coaming 32" above Forecastle Deck and suitably stayed to Forecastle Front, to Dry Cargo Space (12, 15)  
note: all coo'l and swan neck vents fitted with steel hinged w. I. lids

Particulars of Air Pipes in exposed positions on freeboard, <sup>1</sup> Superstructure Decks, raised quarter or superdecks:

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

<u>Foucault Dock.</u>	1-4" dia. air pipe (S.S.)	30"	to opening to Fore Peak Tank.
	2-2" " " pipes (D.I.S.)	35"	" " " " Deep Tank.

Poop Duck 2-4 " " " (1P. 1S.) 2T " " " aft Peak Tank

Upper Buck 2-6" " " " (1P. 15.) 90 " " and suitably supported

2-3	"	"	"	"	34"	"	"	to Coffeyman food.
2-3	"	"	"	"	27"	"	"	etc
2-6	"	"	"	"	53"	"	"	and suitably supported, to S. B. Bunker

note: all air pipes fitted with self closing ball valves.  
air pipes to oil fuel spaces fitted with wire gauge

## Particulars of Gangway Cargo and Coaling Ports:—

None

Esso-Frances.

## Particulars of Scuppers and Sanitary Discharge Pipes:—

all scuppers and sanitary discharges (listed below) drain spaces situated above the Freeboard Deck and are led through shell below this deck and fitted with storm valve at ship side, except those from Bridge deck.

Storing gear space 6'-2" dia. (3P, 3S), 1'-2 1/2" dia. (S.S), 1'-3" dia. (P.S), 1'-5" dia. (P.S) from Poof accommodation

Refrig. Mach. " 1-2 dia. (P.S.) from Poop acc.

Engineers workshop floors 2-1 1/2 dia. (1P + 1S), 3-2 dia. (1P + 2S), 1-3 dia (S.S.) " " "

Boiler Room 2-5" dia (IP. 15), 2-2 1/2" dia. (IP. 15)

masonry space (upper) 2-2 1/2" dia. (IP. 15.), 2-4" dia. (IP. 15.)

Bridge Space 3-3 dia. (2P.15), 2-4 dia. (1P.15), 1-5 dia. (S.S) from Bridge accommodation led hrs shell above Inlet. OK.

Upper ForePeak Space. 2-1 1/2 dia (IP 15) from Forecastle Space

## Particulars of Side Scuttles:—

side scuttles (hinged)  $14\frac{1}{2}$  dia. in Poof front and 16 dia. in Poof shell  
all of bronze, strongly constructed with m.s. deadlights (hinged)

## Vertical distance of Sill of lowest Side Scuttle above top of keel

## Particulars of Guard Rails:—

Newcastle } Guard rail stanchions 3'6" high spaced about 5'0" apart with ~~2~~<sup>3</sup> rails.  
 3-4 rails.

Bridge. 42" high steel bulwark suitably supported with B.A. rail bar fitted on fore end and sides of Bridge.

Guard rail Sanctions on Bridge end 3'6" high spaced about 5'9" apart.  
 Poop. " " " 3'6" high spaced about 5'9" apart with 2 rails.

## Particulars of Gangways, Lifelines, etc:—

Zone and aft gangway fitted between superstructures as shown in sketch (over)


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 ... ..						

*open rails in wells.*

State position of each freeing port ... .. { After Well:—  
(F. and A. position and height above deck edge) { Forward Well:—

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.



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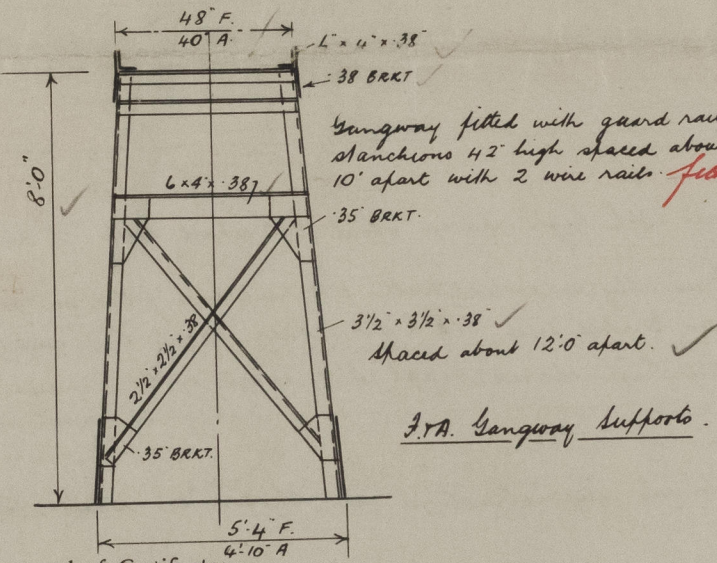


PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Freeboard Deck									
Superstructure Deck									
Description of Hatchway (all oil or watertight)	Cargo oil Tanks	Cofferdams		Deck Tank O.F. Bunker	I.P. Store		Cargo Hold		Poof Store
Dimensions of Hatchway	4'0" dia.	2'0" dia.		2'6" dia.	3' x 3'		15' x 11'3"		4' x 4'
COAMINGS	Height above Deck	30 1/2"	22"	30 1/2"	30"		31"		25"
	Thickness { Sides	50"	50"	50"	38"		44"		31"
	Ends		7 x 3" x 40" B.A.		7 x 3 1/2" x 40" B.A.		10" x 3 1/2" x 40" B.A.		
	Stiffeners						as sketch		
Brackets, Stays									
HATCH BEAMS	Number								
	Spacing								
	Scantling and Sketch								
	Bearing Surface								
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths								
	Scantling and Sketch								
Bearing Surface									
HATCH COVERS	Material	50" steel	38" steel	50" steel	38" steel		44" steel		38" steel
	Thickness	hinged lid	hinged lid	hinged lid	hinged lid		stiffened fore part by		hinged lid
	How fitted	(convex) with strong back secured by	with 5" securing toggles	(convex) with strong back secured by	with 4" securing toggles		5-6" x 4" x 38" o.a. iron and thwartships by 2-5" x 38" flats.		with 6" securing toggles
	Bearing Surface								
Spacing of Cleats	1 1/4" dia. screw toggle			1 1/4" dia. screw toggle			Hatch lid secured by screw toggles spaced about 21" apart.		
Number of Tarpaulins									
*Are wood fore and afters steel shod at all bearing surfaces? <input checked="" type="checkbox"/>									
Are battens and wedges efficient and in good condition? <input checked="" type="checkbox"/>									
Are tarpaulins in good condition and in accordance with rule requirements? <input checked="" type="checkbox"/>									
Are lashings provided in accordance with rule requirements? <input checked="" type="checkbox"/>									

Particulars of any special features:—

Each cargo and O.F. Bunker hatch lid is fitted with 10" and 8" dia., respectively, pullage port with hinged lid having strongback with securing device and locking pin.



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.