

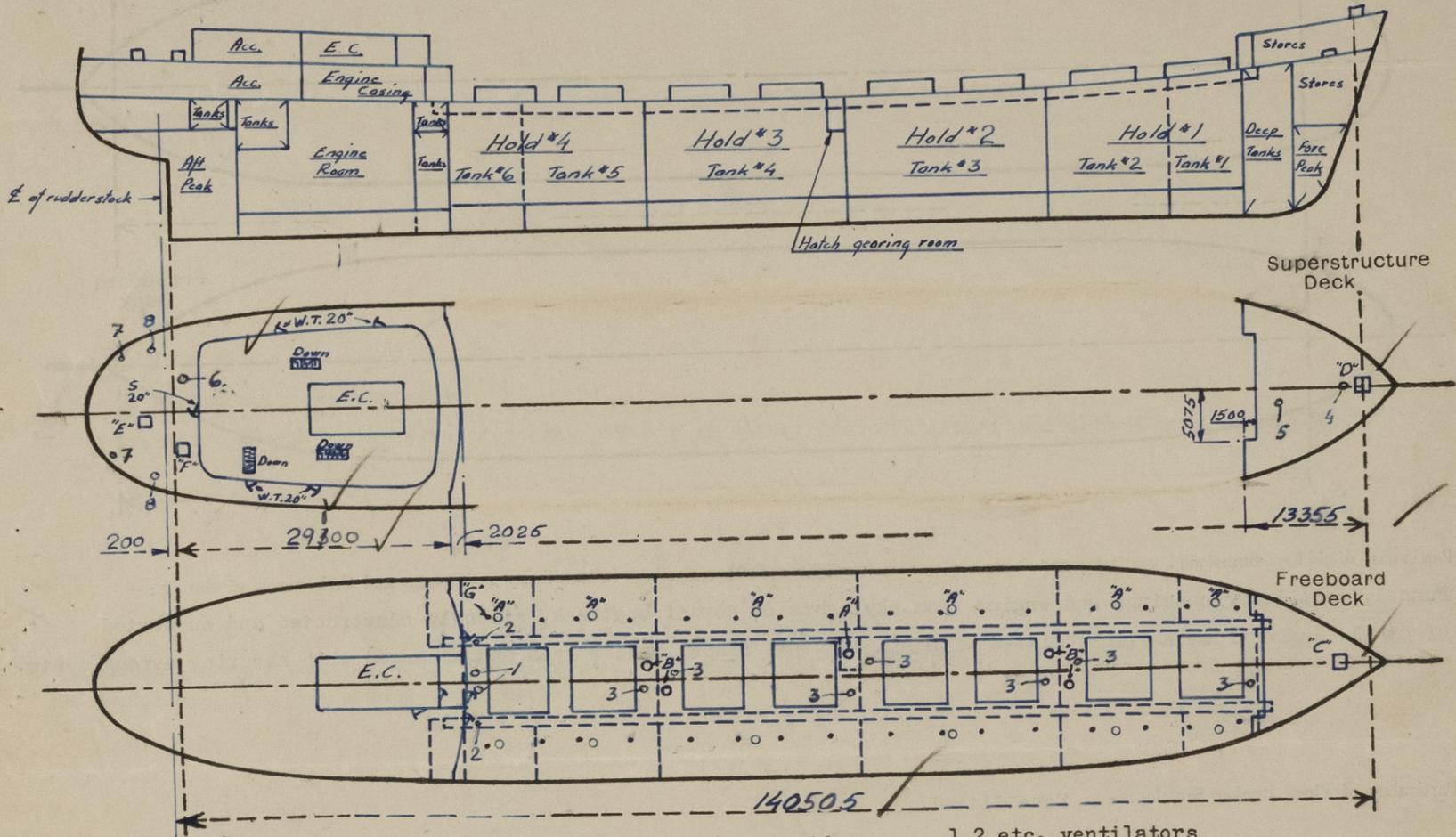
# LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

## SURVEYS FOR FREEBOARD. (CONDITIONS OF ASSIGNMENT.)

Ship's Name: "ARJEPIOG" ESS1 KARL Port of Survey: Gothenburg  
 Official Number: 9636 Surveyor's Signature: Boje Roslund  
 Nationality and Port of Registry: NORWEGIAN, OSLO Date of Survey: Whilst building  
 Swedish, Stockholm

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



G = W.T. hatches for grain bulkheads. 16 each sides. 1,2 etc. ventilators  
 S = Steel door. W.T. = Watertight door Height of sills measured from top of deck.

Particulars of Superstructures, Trunks, Casings, Deckhouses.

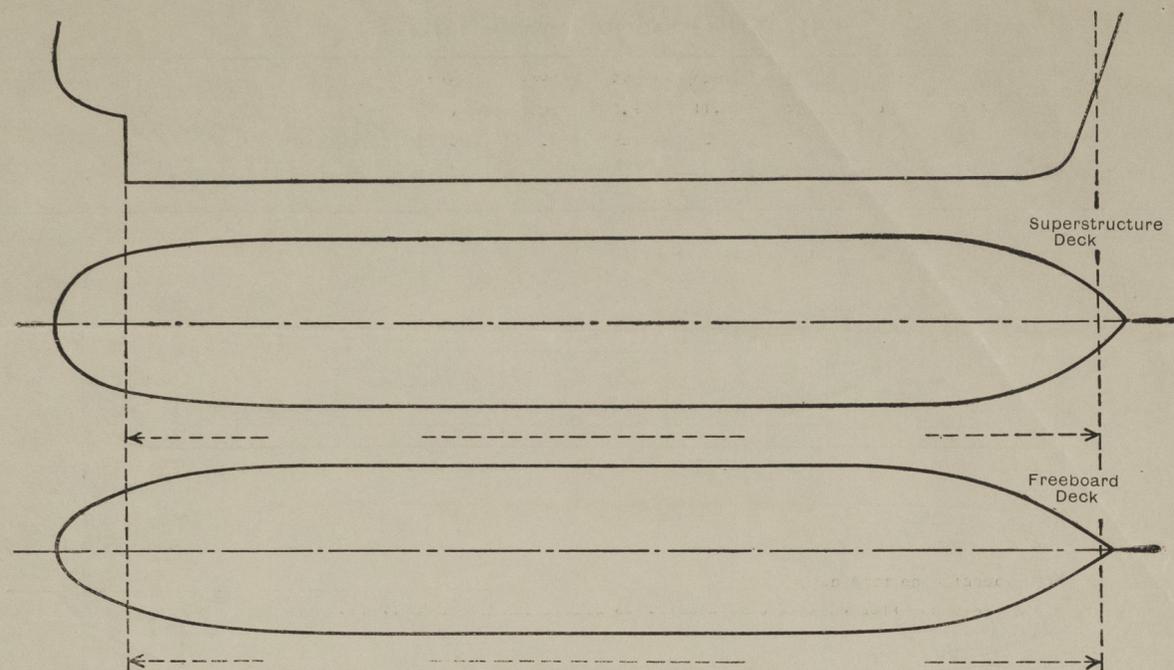
	Coaming	Plating	Stiffeners	Spacing mm.	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height, Beam to Beam
Poop Bulkhead ...		10.0	7 x 3 1/2 x 48 T	Max 750	Top: Bkt. Btm: weld	1290x650	610	
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead ...								
Bridge, Forward Bulkhead ...								
Forecastle Bulkhead ...		8.0	3 x 2 x 40 T	Max 750	To beam top none btm.	1550x950	560	
Trunk, Aft ...								
Trunk, Forward ...								
Exposed Machinery Casings on Freeboard or Raised Quarter Deck ...	Sides	6.5	75 x 50 x 8 T	830	None	1500x760	460	
Exposed Machinery Casings on Superstructure Deck ...	Aft end	6.5	"-70	730	"-	None	510	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	Forw. end	6.5	"-	Max 850	"-	1500x710		
Deckhouses and Pump Room Entrances		5.5	"-	Max 830	"-	None		

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

Poop Bulkhead ...	Hinged steel W.T. doors, operated from both sides.
Raised Quarter Deck Bulkhead ...	-
Bridge, After Bulkhead ...	-
Bridge, Forward Bulkhead ...	-
Forecastle Bulkhead ...	Steel plates secured by hook bolts not passing through bulkhead
Exposed Machinery Casings on Freeboard or Raised Quarter Deck ...	Hinged steel doors, operated from both sides.
Exposed Machinery Casings on Superstructure Deck ...	None
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	
Deckhouses and Pump Room Entrances	

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, side scuttles, scuppers, ventilators, companionways, etc., which would affect the seaworthiness of the ship :-



Particulars of filley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing :-  
 Funnel, ventilator coamings and engine room skylights on top of boatdeck, strongly constructed and supported of steel. Engine room skylight fitted with hinged steel flaps, bull's eyes and arranged with securing arrangements.

Particulars of Flush Bunker Scuttles :- None fitted.

Particulars of Companionways :- None fitted. Entrance to crew's accomodation on freeboard deck aft (including those incorporated in deckhouses and masthouses) through steel deckhouse on poop deck or through openings in poop bulkhead. Doors are operable from both sides.

Particulars of Ventilators in exposed positions on freeboard and superstructure decks :- All ventilators on freeboard- and superstructure decks are 915 mm. high or above, efficiently constructed and supported and supplied with efficient means of closing by means of steel hoods and canvas covers, and constructed in compliance with the Society's Rules.

1. 16" ventilators, height = 3950 mm, coaming thickness 11 mm.
2. 9" " " = 1400 " " 10.5 mm.
3. 22" " " = 1400 " " 11 mm.
4. 16" " " = 1150 " " 10.5 mm.
5. 12" " " = 915 " " 8.5 mm.
6. 16" " " = 1200 " " 10.5 mm.
7. 9" " " = 1130 " " 10 mm.
8. 16" " " = 1030 " " 10.5 mm.

Particulars of Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks :- All air pipes are of steel, goose neck type, 915 mm. high and fitted with efficient means of closing and wire gauze as necessary.

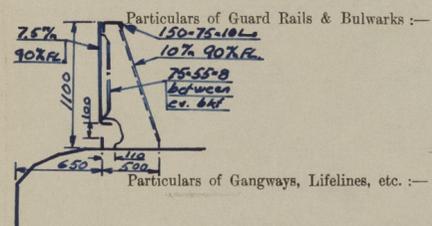
Particulars of Gangway Cargo and Coaling Ports :- None fitted.

*ESSI KARI*  
*Arifplog*

Particulars of Scuppers and Sanitary Discharge Pipes :- Scuppers and sanitary discharges from accomodation aft are led overboard through common collection pipes at forward and aft end of engine room, port and starboard, below L.W.L. Each pipe line fitted with sluice valve and a non-return valve at the ship's sides controlled from accessible position in the engine space. Scuppers from accomodation in poop are also led down to engine room bilges, fitted with water trap. The forecastle space is drained through forecastle bulkhead by screw holes fitted with screw plugs with chain attachments.

Particulars of Side Scuttles & Deadlights :-  
 Below freeboard deck: None fitted.  
 Above freeboard deck: Scuttles in poop side plating of strong construction fitted with hinged deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel ..... About 14500 mm.  
 Distance from amidships to centre of lowest Side Scuttle .....



Bulwark is fitted on main deck and poop deck in way of accomodation of substantial construction as per sketch. Stanchion spacing = 1500 mm. Guard rails 1200 mm high are fitted on forecastle deck and aft part of poopdeck of substantial construction with 3 rods and stanchion spacing = 1100 mm.

Particulars of Gangways, Lifelines, etc. :-

*Lifelines provided.*

Particulars of Freeing Arrangements.						
	Length of Bulwark Nos. 38 - 72	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well ... ..	97.7 m.	1100 mm.	Slot in bulwark	1	8.4 m <sup>2</sup>	
Forward Well ... ..			100 mm. wide and 84m. long			
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.						

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway	Nbs. 1-8 Ore cargo hatches	Freeboard deck				Poop deck		Poop deck	
		"A" To side tanks	"B" To holds	"G" To holds	"C" To stores	"D" To stores	"E" To stores	"F" To stores	
Dimensions of Hatchway	9150x8	670	670	250x170	1220x1220	950x760	990x800	1100x1100	
COAMINGS	Height above Deck	250	610	250	230	610	460	460	
	Thickness	See sketches	10	10	10.5	11.0	9.0	9.0	9.0
	Stiffeners		10	10	10.5	11.0	9.0	9.0	9.0
	Brackets, Stays		-	-	-	-	-	-	-
HATCH BEAMS	Number								
	Spacing								
	Scantling and Sketch								
	Bearing Surface								
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths								
	Scantling* and Sketch								
HATCH COVERS	Material	Steel	Steel	Steel	Steel	Steel	Steel	Steel	
	Thickness	12.0	12.0	12.0	9.0 stiffened	9.0 stiffened	9.0 stiffened	9.0 stiffened	
	How fitted	see	2 hinges	2 hinges	8-3/4 bolts	2 hinges	2 hinges	2 hinges	
	Bearing Surface	sketch	4-1" toggles	4-1" toggles	60	4 toggles	2 toggles	4 toggles	4 toggles
Spacing of Cleats		Closed W.T	Closed W.T	Closed W.T	Closed W.T	Closed W.T	Closed W.T	Closed W.T	
Number of Tarpaulins	1" bolts	Max. space 75mm	✓	✓	✓	✓	✓	✓	

\*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?  
 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.)

