

## LLOYD'S REGISTER OF SHIPPING

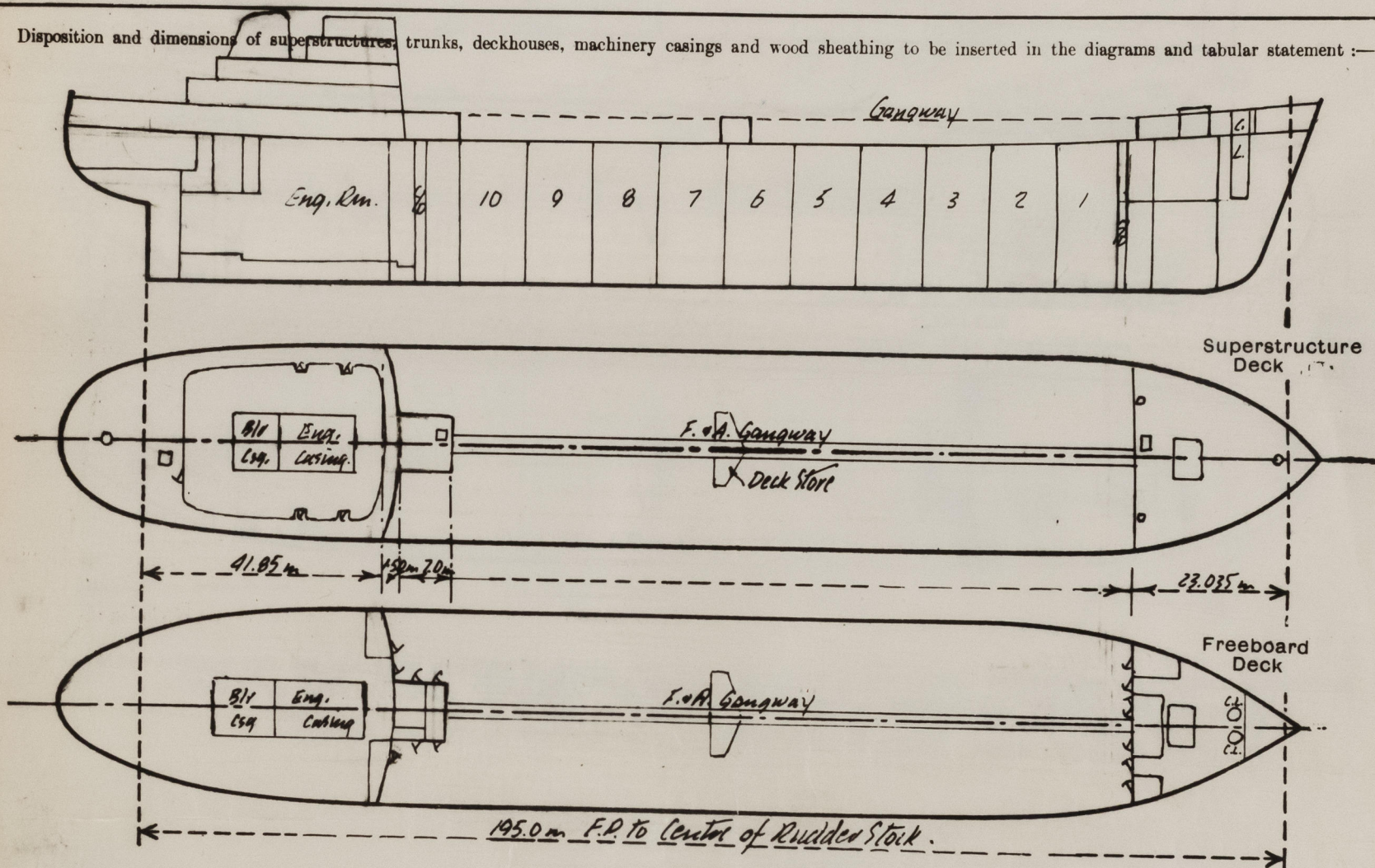
Index No. \_\_\_\_\_  
(For London Office only.)

## SURVEYS FOR FREEBOARD

(CONDITIONS OF ASSIGNMENT)

Ship's Name "LENKORAN" Port of Survey Aioi, Japan.  
 Official Number 903 Surveyor's Signature A.S. Scott  
 Nationality and Port of Registry Russian, Odessa. Date of Survey Whilst Building

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



Particulars of Superstructures, Trunks, Casings, Deckhouses.

m/m.	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Least Height, Beam to Beam
Poop Bulkhead, Control Room, Pipe Passage and Pump Rm. Entrance	12	12	300 x 90 x 17 I.A.	845	Bkts at Top Welded at Bottom	2 @ 1500 x 700 6 @ 1300 x 700	450 610	2.60 m.
Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead	8	8	100 x 75 x 7 I.A.	845	None	2 @ 1500 x 900 1 @ 1300 x 700 4 @ 1500 x 700	450 610 450	2.30 m.
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	7	7	100 x 75 x 7 I.A.	680 and 750	Welded Top & Bottom	5 @ 1700 x 700	320	2.60 m.
Deckhouses and Pump Room Entrances on Poop Deck	Forst. Sides End	10 9 8	150 x 90 x 12 I.A. 100 x 75 x 7 I.A. 125 x 9 F.B.	845 750 760	Welded None	4 @ 1500 x 700 1 @ 1500 x 900	450 460	2.60 m.

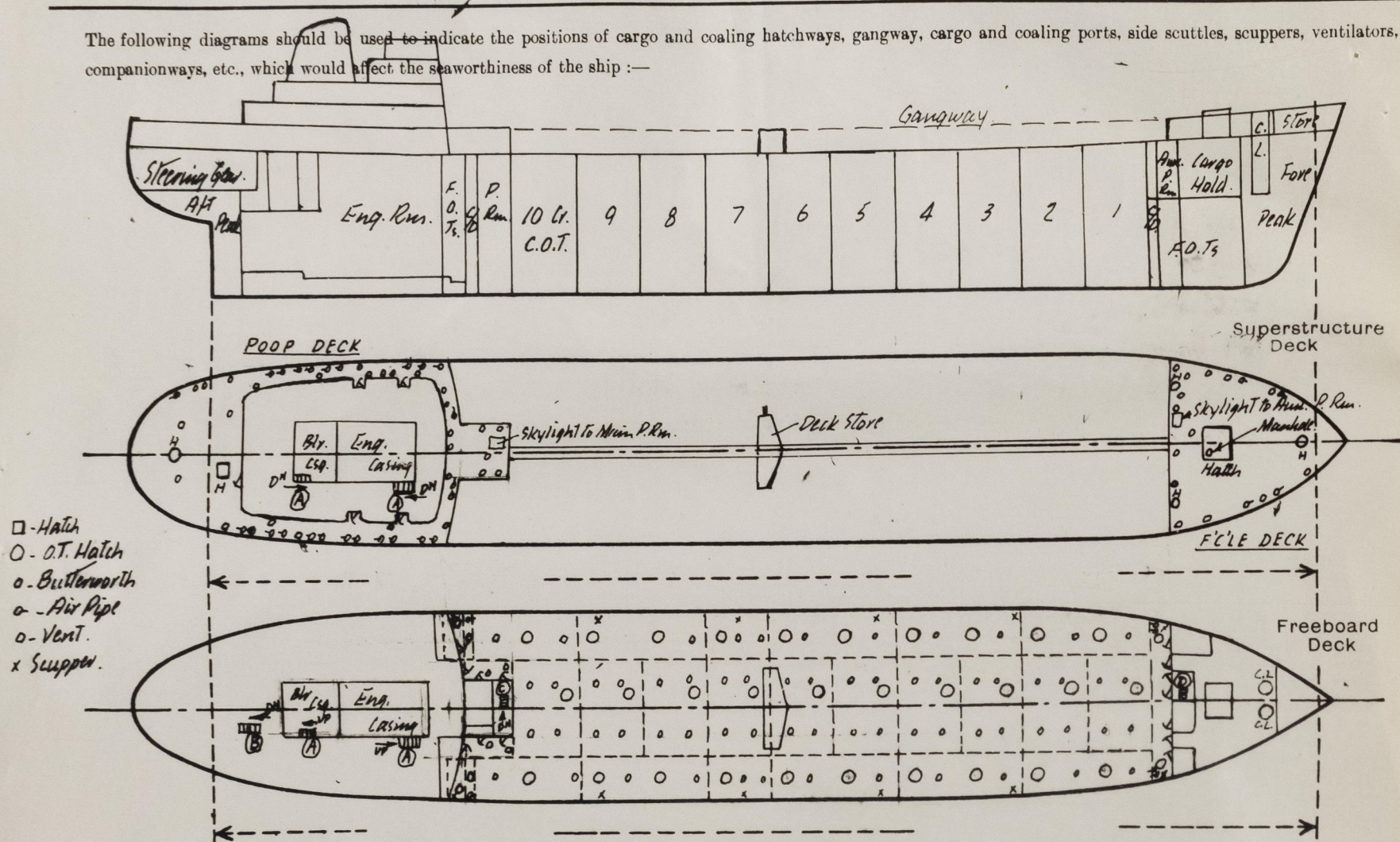
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead, Control Room, Pipe Passage and Pump Rm. Entrance	Hinged Steel Watertight Doors — Operated both Sides	[Class I]
Raised Quarter Deck Bulkhead		
Bridge, After Bulkhead		
Bridge, Forward Bulkhead		
Forecastle Bulkhead	Hinged Steel Watertight Doors — Operated both sides	[Class I]
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	Hinged Steel insulated doors — Operated both sides	
Deckhouses and Pump Room Entrances on Poop Deck	Hinged steel watertight doors — Operated both sides	



## 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 fiddley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

*Funnel, Ventilator coamings and E.R. Skylight, strongly constructed of steel  
Skylight fitted with hinged steel flaps with strong bullseye lights*

Particulars of Flush Bunker Scuttles:—

*None*

Particulars of Companionways:—

- (including those incorporated in deckhouses and masts) *(A) Companionways enclosed in strong steel deckhouse on Poop Deck. Hinged steel watertight doors operated both sides 1500x700 mm. Sill 460 mm.*
- (B) Companionways in strong steel poop on Upper Deck aft to Steering Gear Flat. Hinged steel watertight door operated both sides 1300x700 mm. Sill 610 mm.*
- (C) Companionway in strong steel poop on Upper Deck to Main Pump Rm. Hinged steel watertight door operated both sides 1300x700 mm. Sill 610 mm.*
- (D) Companionway in strong steel Forecastle on Upper Deck to Aux. Pump Room Hinged steel watertight door operated both sides 1300x700 mm. Sill 610 mm.*

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

Forecastle Deck	7- 150 dia. x 8 x 460 High	Gooseneck
	3- 150 dia. x 8 x 915 High	Mushroom.
	2- 200 " x 8 x 915 "	"
	1- 250 " x 9 x 915 "	"
	1- 450 " x 10 x 915 "	"

Upper Deck	2- 800 dia. x 11 x 915 "	"	"
	2- 842 x 642 Dia. x 12.7 x 4,000 "	"	"
Poop Deck	7- 150 dia x 8 x 460 High	Gooseneck	Efficiently supported.
	10- 150 " x 8 x 760 "	Mushroom	
	2- 200 " x 8 x 760 "	"	
	1- 250 " x 9 x 760 "	"	
	3- 300 " x 9 x 760 "	"	
	3- 300 " x 9 x 760 "	"	"

Closing Appliances

Cowl - Wood Plugs + Canvas cover  
Mushroom - Screw-down W.T. Top  
Gooseneck - Hinged Steel W.T. Cover

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

Forecastle Deck	4- 125 dia x 460 High
Upper Deck	4- 100 dia. x 915 mm High
	2- 125 " x 915 "
Poop Deck	3- 50 " x 460 High
	5- 80 " x 460 "
	5- 100 " x 460 "
	12- 125 " x 460 "

*Air pipes to Fuel Oil Tanks fitted with ball check valve and wire gauze  
To Fresh Water Tanks, fitted with ball check valve.  
To Ballast Water Tanks, fitted with Hinged steel flap.*



Len Toron

Particulars of Gangway Cargo and Coaling Ports:—

None

Particulars of Scuppers and Sanitary Discharge Pipes:—

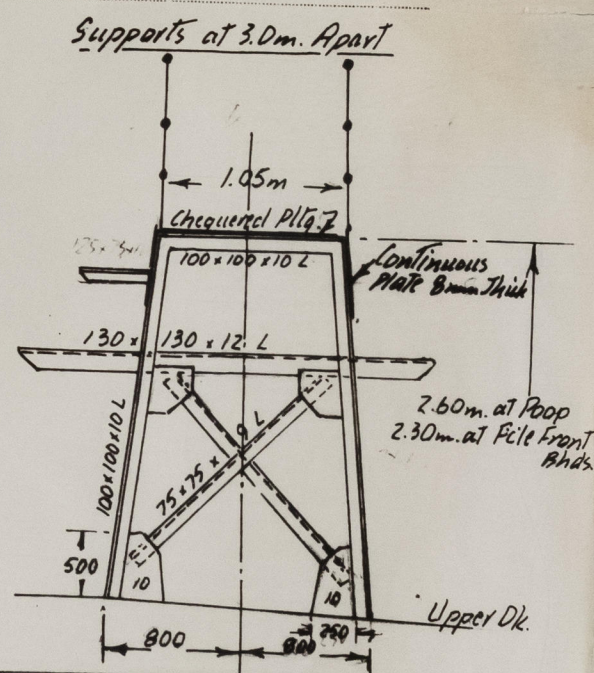
- 3-25 mm. Drain Plugs, Brass, permanently attached on Forecastle End Bhd. draining Forecastle Tween Deck spaces.
- 2-100 mm. Scupper and discharge (P.S.) from accommodation in Poop led overboard below Freeboard Deck with cast steel storm valve at ship's side and non-return valves fitted in Poop Deck accommodation branch scupper lines & discharges.
- 1-150 mm. Refuse Disposer from Galley on Poop Deck discharging overboard about L.W.L. with non return storm valve at ship's side.
- 6-150 mm. Scuppers (P.S.) draining Upper Deck through 72 mm. thick steel pipe blinds leading from Upper Deck through Steering Gear Flat, Forward Cargo Hold and Chain Lockers. drained by Bilge Eductor with cast steel storm valve at ship's side.

Particulars of Side Scuttles and Deadlights:—

- Above Upper Deck 49 - 350 mm. Dia. Opening Sidescuttles to Poop Accommodation with hinged deadlights. Sidescuttles of substantial construction of Bronze and of Approved Pattern Deadlights of malleable cast Iron.
- 3 - 350 mm. Dia. Non-opening Sidescuttles to Forecastle Store Spaces with hinged deadlights of malleable cast Iron.

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 and Bulwarks:—
- Forecastle Deck Combined bulwark and rails Bulwark rising from deck at Fore Front Bhd. to 1.050 m. at Bow with 3 guard rails at aft and reducing to 1 at Bow. Stanchions 1.050 m. High and 1.50 m. apart.
  - Upper Deck. 3 Guard rails with stanchions 1.050 m. high and 1.500 m. apart
  - Poop Deck. 3 Guard rails with stanchions 1.050 m. high and 1.50 m. apart with steel bulwark 1.050 m. High 8 mm. thick fitted around fore end of Poop and Poop Deckhouse also Top of Control Room and Main Pump Room.



- Particulars of Gangways, Lifelines, etc.:—
- Steel Gangway:— Fitted at centre-line between Poop and Forecastle with supports spaced 3.00 m. apart with fore and aft bracing angles 90 x 90 x 10. 3 Guard rails with stanchions 1.050 m high and 1.500 m apart.

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 ... ..	— Open Rails and Stanchions —					
Forward Well ... ..						

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.									
Upper Deck Forecastle Deck Top of Main Pump Rm Poop Deck									
Description of Hatchway	O.T. Hatches to Cargo Oil Tanks	O.T. Hatches to C/O's & Oil Fuel Tanks	W.T. Hatch to Cargo Hold	W.T. Hatch to Bosun's Store	O.T. Hatches to Main Pump Rm	W.T. Hatch to Rope Store	W.T. Hatch to Prov. Stores		
Dimensions of Hatchway	30 @ 1,000 dia.	6 @ 700 dia.	4,000 x 4,000	700 dia.	2 @ 700 dia.	700 dia.	700 dia.	1500 x 1400	
COAMINGS	Height above Deck	760	460	610	610	610	460	1050	460
	Thickness	13	12.7	11	12.7	12.7	12.7	28	12.7
	Stiffeners			Horizontal 180 x 9.5 B.P.					
	Brackets, Stays			1 side, 1 End					
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	Steel
	Thickness	13	12.7	10	6	12.7	6	6	6
	How fitted	Convex Type	Hinged O.T.	Hinged W.T.	Hinged W.T.	Hinged O.T.	Hinged W.T.	Hinged W.T.	Hinged W.T.
	Bearing Surface	with Strong Back	Secured by	Secured by	Secured by	Secured by	Secured by	Secured by	Secured by
Spacing of Cleats	...	...	...	...	...	...	...	...	...
Number of Tarpaulins	...	...	...	...	...	...	...	...	...
<p>*Are wood fore and afters steel shod at all bearing surfaces? None</p> <p>Are battens and wedges efficient and in good condition? None</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? None</p> <p>Are lashings provided in accordance with rule requirements? None</p> <p>Are wood covers fitted with galvanised end bands? None</p>									

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

Skylights :- To Main and Auxiliary Pump Rooms on Main Pump Room Top and on Forecastle Deck Strongly constructed of steel with coamings 610 mm. high with hinged steel flaps and strong bullseye lights.

Butterworth Hatches. 350 mm dia. Coaming 200 mm. High 11 mm. Thick with O.T. Jointed Lid 12 mm. Thick (Steel construction) with one hinge and 4 - 3/4 dia. Bolt type clips.