

SURVEYS FOR FREEBOARD  
(CONDITIONS OF ASSIGNMENT)

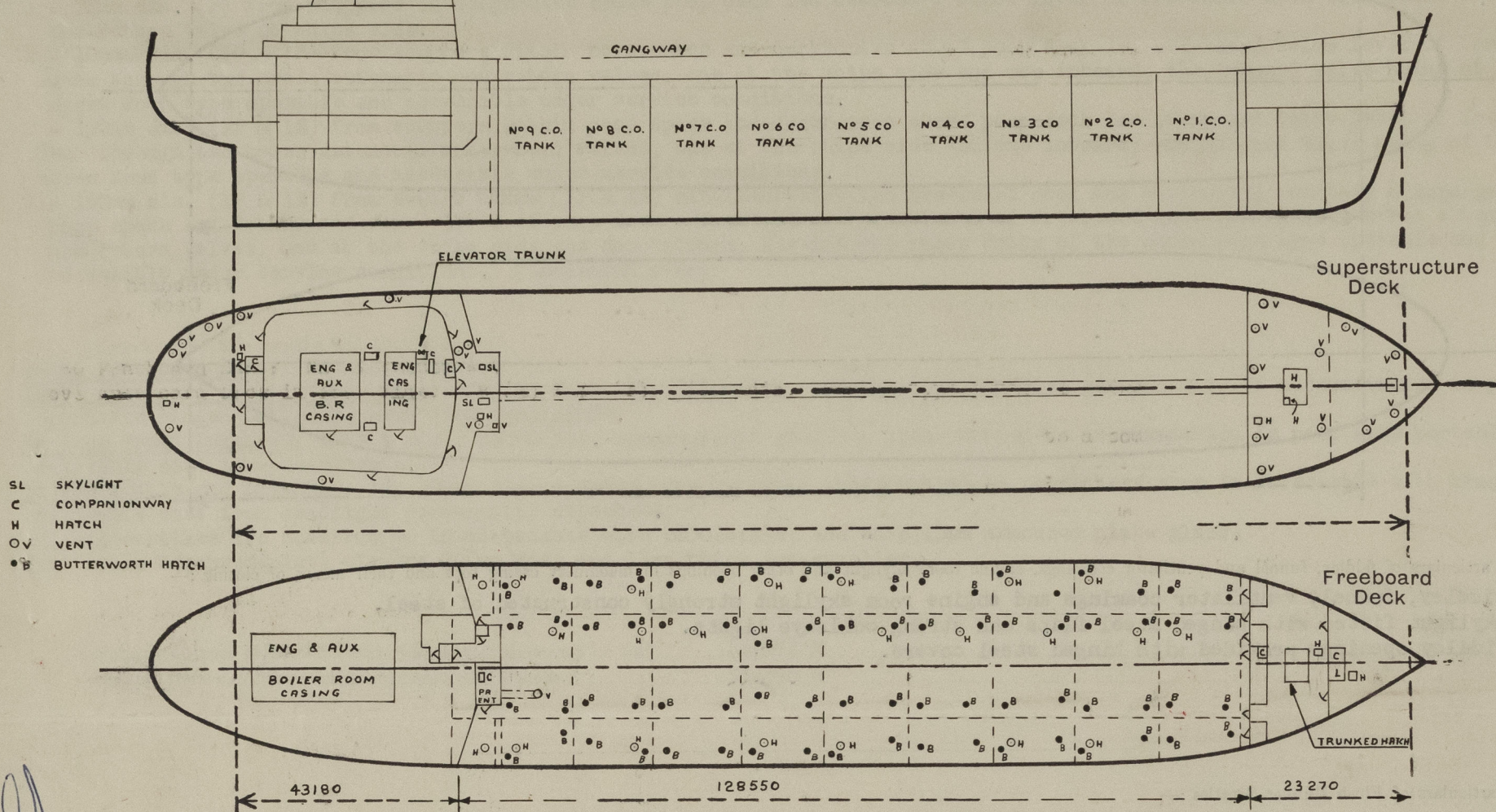
FE-10375

Ship's Name....."LEBEDIN"..... Port of Survey.....Hiroshima, Japan.....

Official Number..... Surveyor's Signature.....*J. F. K. Tobin*.....

Nationality and Port of Registry.....Russian, Odessa..... Date of Survey.....During Construction.....

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.

	Coaming mm	Plating mm	Stiffeners mm	Spacing mm	End Attachments of Stiffeners	Size of Openings mm	Height of Sills mm	Height, Beam to Beam mm
Poop Bulkhead ... ..	12	12	300x90x13/17 INV.A.	750	Lugged	1 at 1650x700 1 at 1650x600	460 610	2600
<del>Raised Quarter Deck Bulkhead</del>	-	-	-	-	-	1 at 1600x700 (P) 1 at 1600x700 (S)	-	-
Deckhouse on poop deck	P&S 8.5 Aft 7.5 Front 9.5	8.5 7.5 9.5	100x75x7 INV.A. 100x75x7 INV.A. 200x10 B.P.	800 750 750	Lugged Shaped Lugged	3 at 1600x700 1 at 1600x600 2 at 1600x700 2 at 1600x600	(A) 460 (F) -	2600
<del>Bridge, Forward Bulkhead</del>	-	-	-	-	-	-	-	-
Forecastle Bulkhead...	7.5	7.5	100x75x7 INV.A.	750	Top & Bottom Lugged	3 at 1600x600 2 at 1600x700 1 at 1600x600	380 380 610	2500
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 ... ..	-	-	-	-	-	-	-	-
<del>Deckhouse and Pump Room Entrances</del>	Enclosed in poop and forecastle							

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

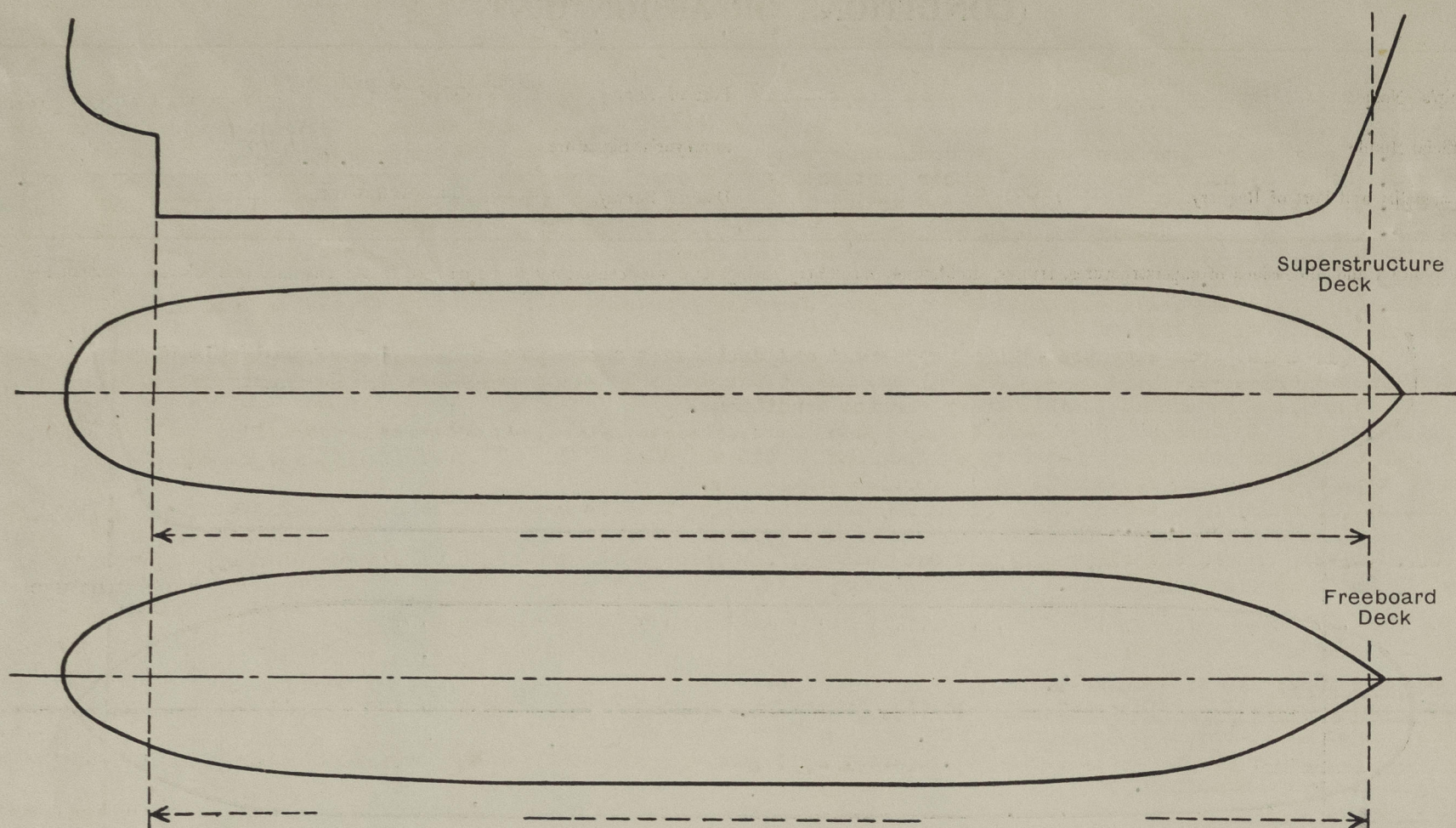
Poop Bulkhead ... ..	Hinged steel watertight doors operable from both sides (Class I) ✓
Raised Quarter Deck Bulkhead ...	-
Bridge, After Bulkhead ... ..	-
Bridge, Forward Bulkhead ... ..	-
Forecastle Bulkhead... ..	Hinged steel watertight doors operable from both sides (Class I) ✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks...	-
Exposed Machinery Casings on Superstructure Decks ... ..	-
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	-
Deckhouses and Pump Room Entrances	-



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Particulars of Gangway Cargo and Coaling Ports :—

NONE



Fiddley, funnel, ventilator coamings and engine room skylight strongly constructed of steel. Skylight fitted with hinged steel flaps and strong bullseye lights. Fiddley openings provided with hinged steel covers.

NONE

(including those incorporated in deckhouses and masthouses)

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

Poop Deck:-

- Forecastle Deck:-

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

**Poop Deck**

- Forecastle Deck  
2 - 130mm dia. x 460mm high ✓  
2 - 130mm dia. x 460mm high

✓ Airpipes indicated thus fitted with wire gauze.  
All oil fuel air pipes are fitted with a ball valve.  
All air pipes fitted with steel cover and spring clip.

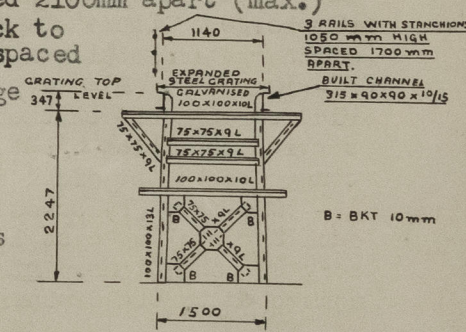
- 2 - 160mm dia. (3P & 3S) scuppers draining weather portions of freeboard deck led directly overboard below level of freeboard deck
- 2 - 100mm dia. (1P & 1S) weather deck scuppers draining forecastle deck led directly overboard below level of forecastle deck.
- 2 - 50mm dia. (1P & 1S) weather deck scuppers draining forecastle deck led directly overboard below level of forecastle deck.
- 8 - 80mm dia. (4P & 4S) scuppers draining weather portions of poop deck led directly overboard below level of poop deck.
- 2 - 24mm dia. scuppers in forecastle and bulkhead draining forecastle space fitted with brass screw plugs with chain attachment.
- 2 - 80mm dia. (1P & 1S) from scuppers within poop space led overboard below level of freeboard deck through two brass automatic non-return valves, one at the ships side and one inboard, the inboard valve being of the screw down type operable and accessible under service conditions.
- 1 - 70mm dia. (P) from scuppers in deckhouses above poop deck led overboard below level of freeboard deck with brass automatic non-return valve at ships side.
- 2 - 100mm dia. (1P & 1S) from scuppers within poop space and deckhouses above poop deck led overboard below level of freeboard deck through two brass automatic non-return valves, one at the ships side and one inboard, the inboard valve being of the screw down type operable and accessible under service conditions.
- 2 - 130mm dia. (1P & 1S) from scuppers within poop space and deckhouses above poop deck led overboard below level of freeboard deck through two brass automatic non-return valves, one at the ships side and one inboard, the inboard valve being of the screw down type operable and accessible under service conditions.
- 2 - 160mm dia. (1P & 1S) from sewage tanks (1P & 1S) situated below the freeboard deck and collecting sanitary discharges from poop space and deckhouses above level of poop deck led overboard below level of freeboard deck through two brass automatic non-return valves, one at the ships side and one inboard, the inboard valve being of the screw down type operable and accessible under service conditions. (Continued over)

Below Freeboard Deck: No sidescuttles.

All sidescuttles are constructed in accordance with BS3024:1947 and have 13mm armoured plate glass. Four spare armoured plate glasses 300mm dia. and 13mm thick are supplied.

Distance from amidships to centre of lowest Side Scuttle 55.390 M

Supports, indicated in sketch, spaced 3400mm apart. Fore and aft cross bracing 100 x 100 x 10 ANG's with 10mm brackets fitted every 4th bay.



	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
Freeboard Deck	Open Rails		{ None - Wells P & S open at each end.			
After Well on Poop Deck	26.15 M	1150mm				
Forward Well on Forecastle Bulkhead Deck	From forecastle Bulkhead	See above.	None			

Additional area where sheer is less than standard.



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.											
Description of Hatchway			Weather Portion		Freeboard Deck		In Forecastle		Poop Deck		Forecastle Deck
			21 Cargo Hatches	72 Butterworth Openings	O.F. Tank Hatch	Access to Dry Cargo Space	Access to Bosuns Stores	To Main Pump Rm. Entrance	Provision Hatch	Rope Hatch	Access to Fire Station
Dimensions of Hatchway			70x700 Oval	330 dia.	600 dia.	600x600	900x900	800x600	1200 x 1200	900x900	1220 x 1220 600x600
COAMINGS	Height above Deck	...	760 ✓	90 ✓	760 ✓	230 ✓	230 ✓	460 ✓	460 ✓	460 ✓	610 ✓
	Thickness { Sides	...	12.5 ✓	12 ✓	12 ✓	12 ✓	12 ✓	12 ✓	12 ✓	12 ✓	12 ✓
	Thickness { Ends	...									
	Stiffeners { Sides	...									
HATCH BEAMS	Brackets, Stays { Ends	...									
	Number	...									
	Spacing	...									
	Scantling and Sketch	...									
FORE AND AFTERS	Bearing Surface	...									
	Number	...									
	Spacing	...									
	Unsupported Lengths	...									
HATCH COVERS	Scantling* and Sketch	...									
	Bearing Surface	...									
	Material	...	O.T. Steel	O.T. Steel	O.T. Steel	N.W.T. Steel	N.W.T. Steel	W.T. Steel	W.T. Steel	W.T. Steel	W.T. Steel
	Thickness	...	12	12	12	6	6	8	8	8	8
HATCH COVERS	How fitted	...	Dished	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges
	Bearing Surface	...	Hinged	4 Toggle-holts with	6 Toggles	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges
		...	Secured	hexagonal nuts.	1 Toggle	1 Toggle	7 Toggles	8 Toggles	7 Toggles	8 Toggles	7 Toggles
		...	O.T. by Strong-bar Bearing on Centre of Cover.								
*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? -											
											Details of Hatches continued below.

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

Steel skylight on forward end of poop deck to after fire station 1000 x 1000 mm with 460 x 10mm sill and with strong hinged steel watertight covers fitted with fixed bullseye lights.

Steel skylight on forward end of poop deck to main pump room entrance 2000 x 1500 with 460 x 10mm sill and with strong hinged steel watertight covers fitted with fixed bullseye lights.

## Scuppers and Sanitary Discharges (Cont'd from previous page)

Discharge of the sewage tanks is accomplished by means of one of two methods.

- By pump connected between the sewage tank and the discharge line inboard of the two non-return valves.
- By eductor operated by water at high pressure connected between the sewage tank and the discharge line inboard of the two non-return valves.

NOTE: The port and starboard sewage tank systems are independent of one another.

1 - 50mm dia. (P) scupper draining bosuns stores and chain locker forward led overboard through forecastle side through two cast steel automatic non-return valves, one at the ships side and the inboard valve being accessible under service conditions. Discharge of these spaces is effected by means of a cast bronze eductor operated by water at high pressure connected to the discharge line between the two automatic non-return valves.

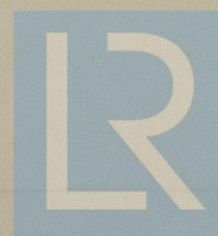
1 - 50mm dia. (P) scupper draining dry cargo space below freeboard deck in way of forecastle led overboard through forecastle side through two cast steel automatic non-return valves, one at the ships side and the inboard valve being accessible under service conditions. Discharge of this space is effected by means of a cast bronze eductor operated by water at high pressure connected to the discharge line between the two automatic non-return valves.

1 - 50mm dia. (P) scupper draining steering gear space below level of freeboard deck led overboard below level of freeboard deck through two cast steel automatic non-return valves, one at the ships side and the inboard valve being accessible under service conditions. Discharge of this space is effected by means of a cast bronze eductor operated by water at high pressure connected to the discharge line between the two automatic non-return valves.

## Hatches on Forecastle Deck (Continued)

Dry cargo hatch:— 4110 x 4500 mm, coaming 610 mm high x 11 mm thick. 180 x 9.5 mm B.P. horizontal stiffener at coaming top. Coaming additionally stiffened by 11 mm brackets spaced 1370 mm (max.) (3 at ends, 2 at sides). Hatch cover 11 mm plate stiffened by 250 x 90 x 12/16 mm INV.A's in F. & A. direction spaced 750 mm apart with 250 x 12 mm B.P. intercostles in athwartship direction spaced 685 mm apart. Cover secured W.T. with toggles spaced 375 mm apart (max.)

Access hatch 600 x 600 mm fitted in starboard after corner of main hatch cover having 75 x 12 mm coaming above main hatch cover and secured W.T. by hinged steel cover 8 mm thick with 2 hinges and 7 toggles.



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