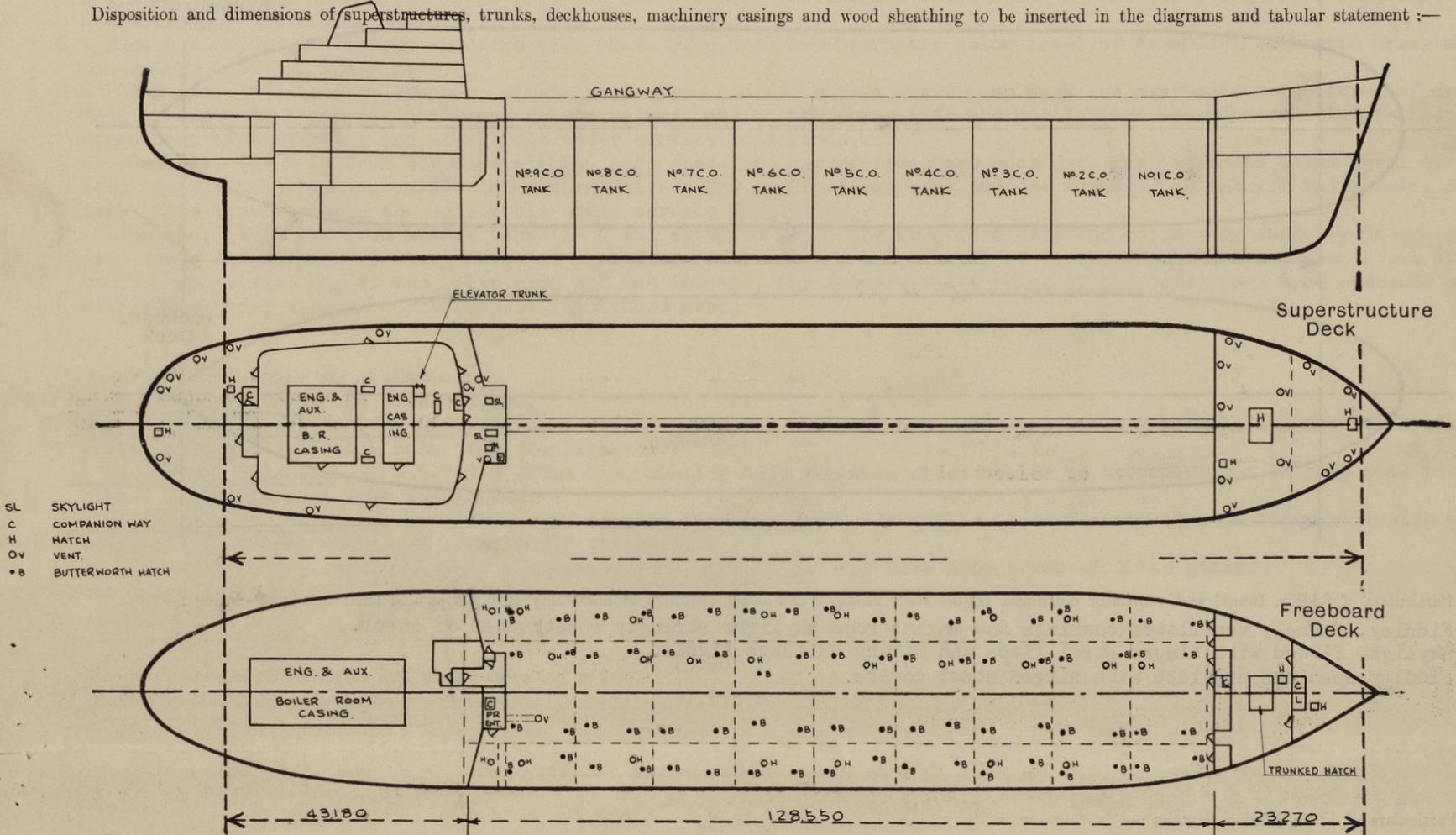


## SURVEYS FOR FREEBOARD (CONDITIONS OF ASSIGNMENT)

F-10005

Ship's Name "LUGANSK" Port of Survey Hiroshima, Japan.  
 Official Number 879 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 :-



	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 ✓ Sniped ✓ Lugged ✓	3 at 1600x700 (A) 1 at 1600x600 (F)	460 ✓	2600 ✓
<del>Bridge Deck and Bulkhead</del> ...	-	-	-	-	-	2 at 1600x700 2 at 1600x600	-	-
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</del> Pump Room Entrances	← Enclosed in poop and forecastle ✓ →							

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	-



PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS. (All dimensions in mm)											
Freeboard Deck											
Weather Portion			In Forecastle			Forecastle Deck			Poop Deck		
Description of Hatchway	21 Cargo Oil Hatches	72 Butterworth Openings.	O.F. Tank Hatch 1P & 1S	Access to Dry Cargo Space	Access to Bosuns Stores	Dry Cargo Hatch	Rope Hatch	Access to Fire Station	To Main Pump Room Entrance	Provision Hatch	
Dimensions of Hatchway	970x700 Oval	330dia.	600dia.	600x600	900x900	4110x4500	1220x1220	600x600	800x600	1200x1200	
COAMINGS	Height above Deck	760	90	760	230	230	610	610	610	460	460
	Thickness	12.5	12	12	12	12	12	12	12	12	12
	Stiffeners	1000									
	Brackets, Stays										
HATCH BEAMS	Number										
	Spacing										
FORE AND AFTERS	Number										
	Spacing										
HATCH COVERS	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	W.T. Steel
	Thickness	Dished 12.5	12	12	6	6	8	8	8	8	8
HATCH COVERS	How fitted	Hinged	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges
	Bearing Surface	Secured O.T. by Hinged Strong bar Bearing on Centre of Cover	4 Toggle bolts with hexagonal nuts.	6 Toggles	1 Toggle	1 Toggle	8 Toggles	7 Toggles	7 Toggles	8 Toggles	8 Toggles
Spacing of Cleats											
Number of Tarpaulins											

150 x 95 mm BP HORIZONTAL STIFFENERS AT COAMING TOP CORNING ADDITIONALLY STIFFENED BY 11 COAMING TOP 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 & R DIRECTION SPACED 750 mm APART WITH 250 x 12 mm B.P. INTERCOSTLES IN BATHWARTSHIP DIRECTION SPACED 685 mm APART COVER SECURED W.T. WITH TOGGLES SPACED 375 mm APART (MAX)

\*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 (Contd from previous page)

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

- a) By pump connected between the sewage tank and the discharge line inboard of the two non-return valves. ✓
- b) 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 malleable cast <sup>steel</sup> iron 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 malleable cast <sup>steel</sup> iron 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 malleable cast <sup>steel</sup> iron 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 Poop Deck (Continued)

Rope hatch:- 900 x 900mm, coaming 460mm high x 12mm thick, cover W.T. steel 8mm thick with two hinges and 7 toggles. ✓