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LLOYD'S REGISTER OF SHIPPING

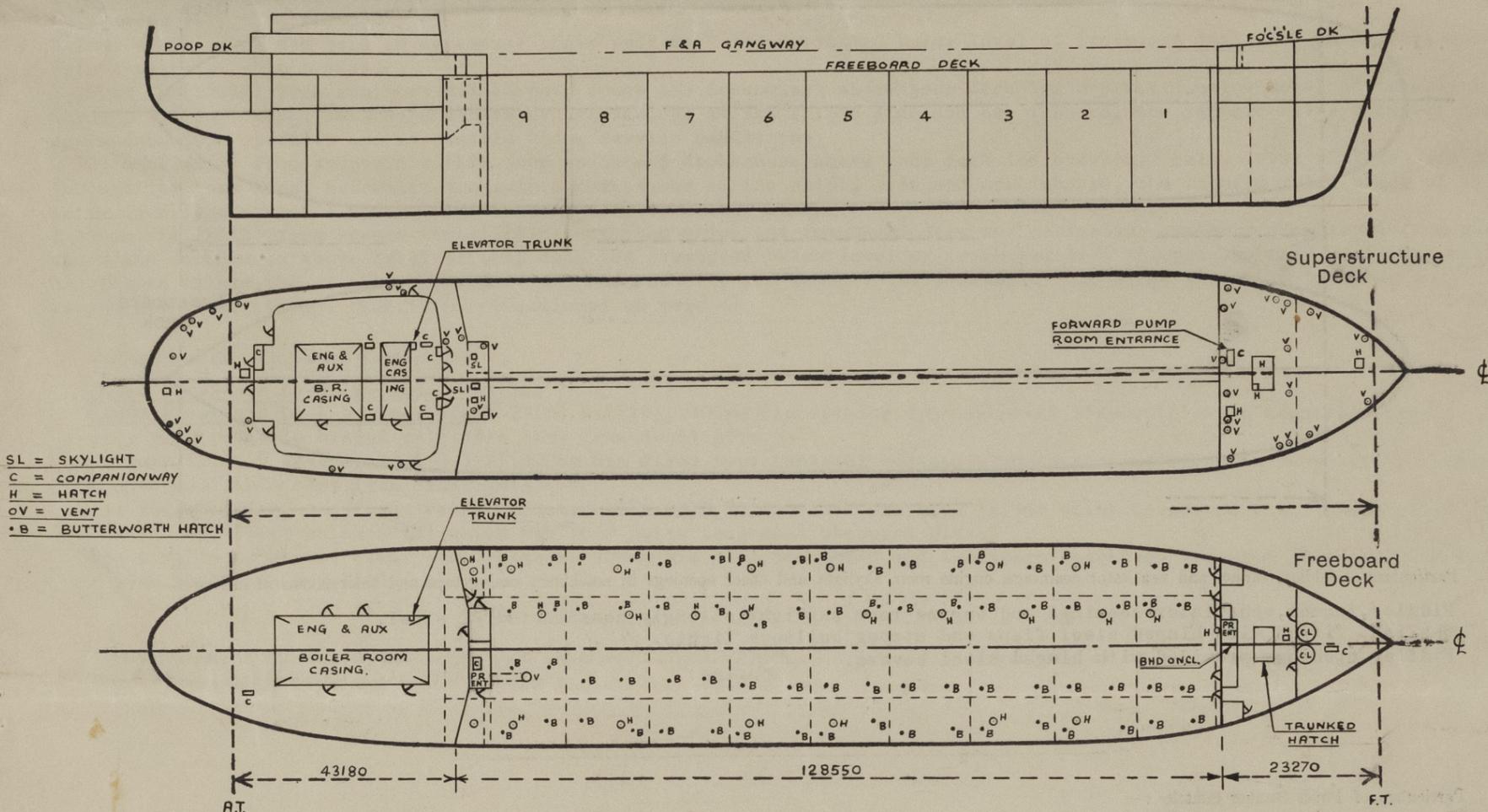
Index No.
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F-3008

SURVEYS FOR FREEBOARD (CONDITIONS OF ASSIGNMENT)

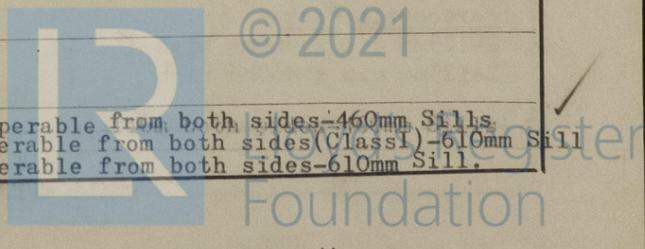
Ship's Name "LIKHOSLAVL" Port of Survey HIROSHIMA, JAPAN
 Official Number 281 Surveyor's Signature *J.F.K. Tobin*
 Nationality and Port of Registry RUSSIAN, ODESSA Date of Survey During construction

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	2@ 1600x600 1@ 1600x900	460 & 610 460	2600
Raised Quarter Deck Bulkhead Deckhouse on poop deck	P&S 8.5 Aft 7.5	8.5 7.5	100x75x7 Inv.A 100x75x7 Inv.A	800 750	Lugged Sniped	1@ 1600x700 1@ 1600x700	460	2600
Bridge After Bulkhead Bridge Forward Bulkhead	Front 9.5	9.5	200x10 B.P.	750	Lugged	3@ 1600x700 1@ 1600x600 4@ 1600x600		
Bridge Forward Bulkhead Forecastle Bulkhead	7.5	7.5	100x75x7 Inv.A	750	Bkts top Lugged bottom	2@ 1600x600 2@ 1600x700 1@ 1600x900	380 460 460	2500
Trunk, Aft ... Pumproom								
Trunk Forward Entrance aft			Enclosed in poop					
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 ...	-	-	-	-	-	-	-	-
Deckhouse on Pump Room Entrances For'd	10.5	10.5	150x90x9 Inv.A	500 F&A 570 Sides	Bkts F&A Lugged sides EX- cept Bkt Top S	1@ 1300x500 (Aft)	610	2050(Max)(P) 800(Min)(S)

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 ...	-
Deckhouse on poop	-Hinged steel watertight doors operable from both sides-460mm Sills
Pumproom Entrance Aft	-Hinged steel watertight door operable from both sides(Class I)-610mm Sill
Pumproom Entrance For'd	-Hinged steel watertight door operable from both sides-610mm Sill.



PARTICULARS OF PROTECTION TO OPENINGS, ETC.

		HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
		Freeboard deck				Poop deck			Forecastle deck		
		Weather portion		In Focsls							
Description of Hatchway	...	21 Cargo oil Hatches	72 Butter worth openings	OF Tank Hatches 2P & 1S	Access to For'd C/D	Access to Dry Cargo space	To main pump Rm Entrance	Provision Hatch	Rope Hatch	Rope Hatch	Access to Fire Station
Dimensions of Hatchway	...	970x700 Oval	320 dia	600 dia	600 dia	600x600	800x600	1200x1200	900x900	1220x1220	600x600
COAMINGS	Height above Deck	760	90	760	760	230	460	460	460	610	610
	Thickness	12.5	12	12	12	10	12	12	12	12	12
	Sides										
	Stiffeners	1000 Dia									
Brackets, Stays											
HATCH BEAMS	Number	Approved design									
	Spacing	Approved design									
FORE AND AFTERS	Unsupported Lengths	Approved design									
	Scantling* and Sketch	Approved design									
	Bearing Surface	Approved design									
HATCH COVERS	Material	OT steel	OT steel	OT steel	WT steel	NWT steel	WT steel	WT steel	WT steel	WT steel	WT steel
	Thickness	12.5	12	12	12	6	8	8	8	8	8
	How fitted	Hinged	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges	2 Hinges
	Bearing Surface	secured by hinged strong bar-bolts bearing on centre of cover.	4 Toggles	6 Toggles	6 Toggles		7 Toggles	8 Toggles	7 Toggles	8 Toggles	7 Toggles
Spacing of Cleats	...	...	...	...	...	...	...	...	...	...	...
Number of Tarpaulins	...	...	...	...	...	...	...	...	...	...	...

*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 1000x1000mm with 460x10mm 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 2000x1500mm with 460x10mm sill and with strong hinged steel watertight covers fitted with fixed bullseye lights.

Opening 1500x800mm insloping top of companionway on forecastle deck leading to forward pump room with strongly constructed steel watertight cover 8mm thick fitted with three 250mm dia fixed lights with outside deadlights. Steel cover provided with two hinges and eight toggles.

Scuppers and Sanitary Discharges (Continued from page 3)

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 bosun's stores and chain locker forward led overboard through forecastle side through two automatic non-return valves, the one at the ship's side being of cast steel and the inboard valve being of cast steel and 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 automatic non-return valves, the one at the ship's side being of cast steel and the inboard valve being of cast steel and 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 automatic non-return valves, the one at the ship's side being of cast steel and the inboard valve being of cast steel and 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.

Details of Hatches (Continued from above)

Dry Cargo Hatch on Forecastle Deck

Dimensions:— 4110x4500mm, coaming 610mm high x 11mm thick. 180x9.5mm B.P. horizontal stiffener at coaming top. Coaming additionally stiffened by 11mm brackets spaced 1370mm (max) (3 at ends, 2 at sides)

Hatch cover 11mm steel plate stiffened by 250x90x12/16mm Inv.A's in F & A direction spaced 750mm apart with 250x12mm B.P. intercostles in athwartship direction spaced 685mm apart. Cover secured W.T. with toggles spaced 375mm apart (max).

Access hatch 600x600mm fitted in starboard after corner of main hatch cover having 75x12mm coaming above main hatch cover and secured watertight by hinged steel cover 8mm thick with 2 hinges and 7 toggles.

Particulars of Companionways (Continued from page 2)

Companionway and machinery casing doors on freeboard deck aft. enclosed in poop.

Companionway in freeboard deck forward giving access to bosun's stores enclosed in forecastle and protected by 2 hinged steel watertight doors in forecastle end bulkhead operable from both sides, openings each 1600x700mm with 460mm sills (Class I).



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