

Lloyd's Register of Shipping.

Index No.
(For London Office only.)

MOB. RPT No 19007.

Ship's Name..... "LUMEN"

Official Number 183783

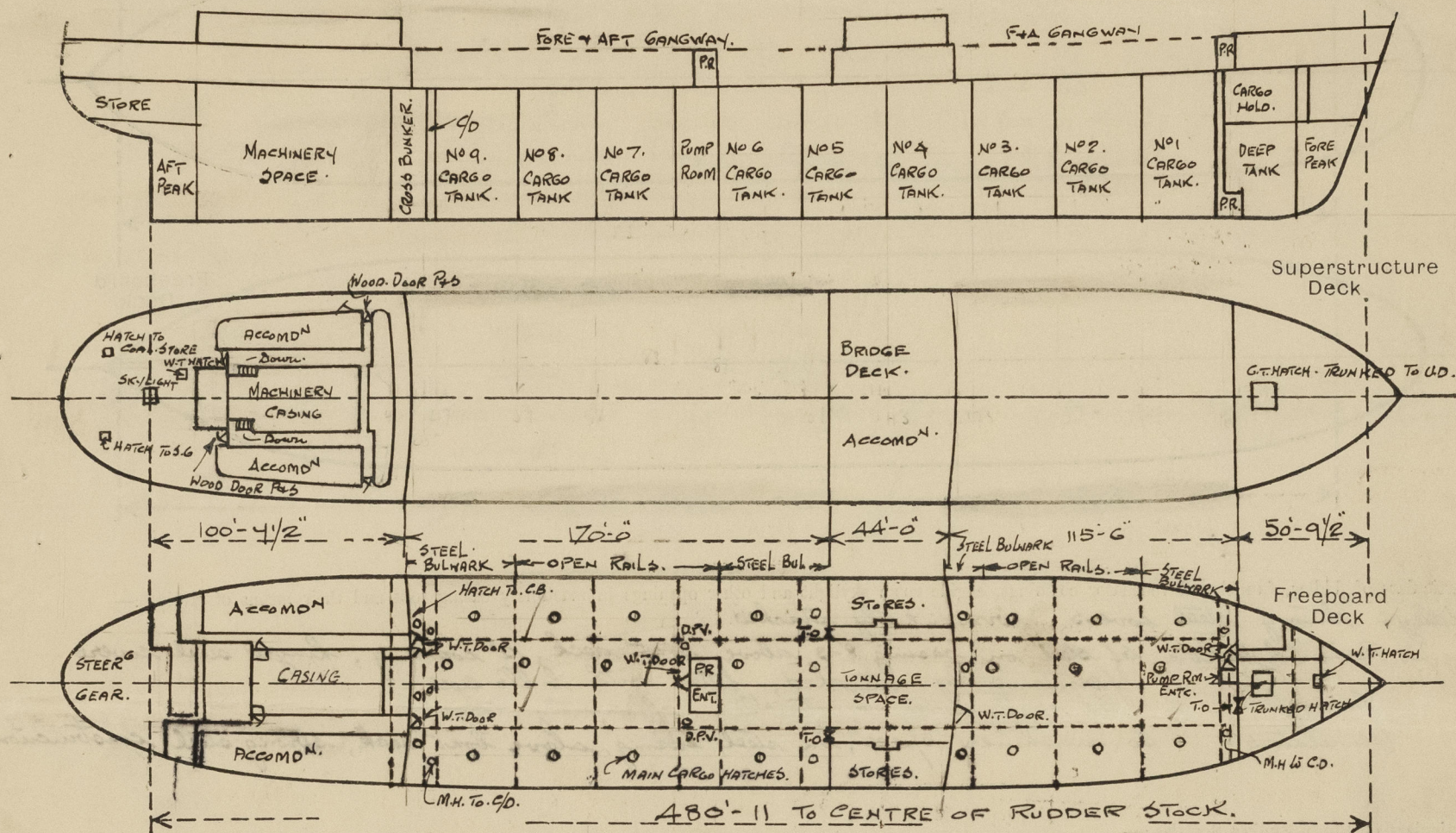
Port of Survey SOUTH BANK-ON-TEES.

Surveyor's Signature. *J. D. Rufus.*

Nationality and Port of Registry BRITISH. LIVERPOOL.

Date of Survey *Whilst building, afloat + in dry dock.*
1949-50.

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



Particulars of Superstructures, Trunks, Casings, Deckhouses.

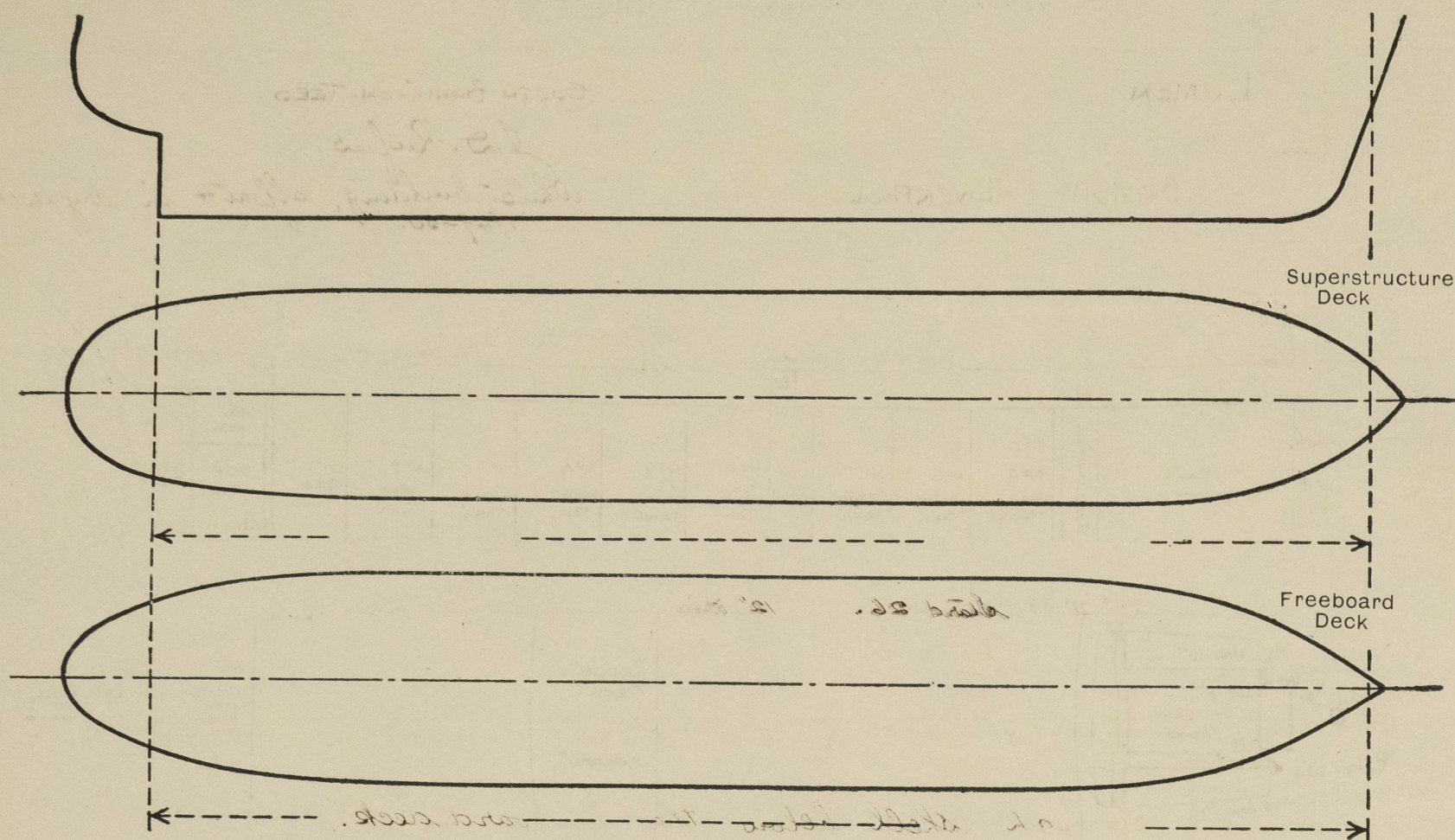
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead	—	44.	10' x 3 1/2" x 508 R.	33" MAX.	Rugged at top. Welded at bottom.	50. 5' 3" x 2'-6" CENTRE 4'-6" x 2'-6" PORT 5'-3" x 2'-6"	18" 24" 18" ✓	8'-0"
Raised Quarter Deck Bulkhead ...	—							
Bridge, After Bulkhead	—	30.	4 x 3 x 40 L. welded T.T.P.	33" MAX. ✓	NIL.	20 4'-8" x 3'-1"	22"	8'-0"
Bridge, Forward Bulkhead	—	44.	10 x 3 1/2" x 423 R.	38" MAX. ✓	Welded top & bottom.	5' 3" x 2'-6"	18"	8'-0"
Forecastle Bulkhead	—	30	4 x 3 x 32 L.	33" MAX.	NIL.	Port 4'-1" x 3'-1" Star 5'-3" x 3'-0"	24" 18"	7'-6"
Trunk, Aft	—							
Trunk, Forward	—							
Exposed Machinery Casings on Free- board or Raised Quarter Decks ...	—							
Exposed Machinery Casings on Super- structure Decks	—							
Machinery Casings within Superstruc- tures not fitted with Class I Closing Appliances	—							
Deckhouses on Flush Deck Ships ...	—							

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

Poop Bulkhead	Steel w.T. doors manipulated from both sides. ✓
Raised Quarter Deck Bulkhead ...	—
Bridge, After Bulkhead	Steel plates with hooked bolts. ✓
Bridge, Forward Bulkhead	w.T. Steel door manipulated from both sides. ✓
Forecastle Bulkhead... ..	w.T. Steel door. on Std side manipulated from both sides. ✓
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...	Steel plate with hooked bolts port side
Exposed Machinery Casings on Super-structure Decks	—
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	—
Deckhouses on Flush Deck Ships ...	—

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, ventilators, companionways, etc., which would affect the seaworthiness of the ship:—



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

Fiddle: Strong steel covers, permanently attached.
Engine Room Skylight: 16" steel on casing 8-3 above boat deck, 12" coaming, hinged steel covers.
Funnel: Permanently attached, fitted with bull's eyes.
Ventilators: 10 machinery space, on steel casing above boat deck, strong steel construction.

Particulars of Flush Bunker Scuttles:—

Particulars of Companionways:—

Pump Room entrance fore of strong steel construction, with W.T. Door manipulated from both side, sill 24" high.
 Pump Room entrance midship of strong steel construction, with W.T. Door manipulated from both sides, sill 24" high.
 Entrances to Pump deckhouse, strong hardwood doors manipulated from both sides, sills 18" high.

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

UPPER DECK	22 20" DIA.	40 Coaming.	48" high	* adequacy supported.
FORECASTLE DECK	12 8"	30	36	
	12 14"	36	36	*
	12 10"	32	36	
BRIDGE DECK	8 20 6"	30	30	*
POOP DECK	5 20 6"	30	30	
	2 20 12"	32	30	
	1 20 11"	32	30	
	2 20 14"	36	over 6-0" (stayed)	
G.M. VENTILATORS. 8 20 5, 2 20 4 1 20 3" — 30" high.				

closing appliances: Wood plugs & canvas covers.
 G.M. vents wood plugs.
 * Gas tight plugs fitted.

all ventilators welded to the deck.

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

POOP DECK. 2 1/2 to 4" Dia. 18" high.
FORECASTLE DECK. 3 20 6" Dia. 36 high.

closing appliances: Air pipes to water tanks. Wood plugs.
 Air pipes to oil tanks. Gauge at mouth with canvas boots.

Particulars of Gangway Cargo and Coaling Ports:—

Lumen.

Particulars of Scuppers and Sanitary Discharge Pipes:—

SCUPPERS.

From Upper Deck. 5 Pcs. 6"x2" aperture in gunwale angle.
 Left: Port Side. 2 20 3" Dia.
 Starboard Side. 1 20 3" Dia. Scupper from stern space discharges into machinery space, fitted with loaded cock.

SANITARY DISCHARGES.

Port Side aft: 2 20 4" Dia 4 20 3" Dia & 1 20 2" Dia.
 Starboard Side aft: 2 20 4" Dia 2 20 3" Dia & 2 20 2" Dia.
 Midship: Port: 3 20 4" Dia 1 20 2" Dia.
 Starboard: 2 20 4" Dia 2 20 3" Dia 2 20 2" Dia.

all discharges are from spaces above the free board deck.
 Storm valves of gunmetal with balanced gunmetal clacks.

Particulars of Side Scuttles:—

POOP: Port. 21 Starboard 26. 12" Dia.
BRIDGE: Port 5 Starboard 6. 10" Dia.
FORECASTLE: Port 4 Starboard 4. 10" Dia.

Thompson's Patent lights welded to shell, glass frames of brass. — deadlights — hinged of cast naval brass.

No lights through shell below the freeboard deck.

Vertical distance of Sill of lowest Side Scuttle above top of keel. Approx 42-3

Particulars of Guard Rails:—

POOP: 3"x1" Flat. Top Rail 1 3/8 tube with 2 lower rails 7/8" Dia rod.
 3-6" high.
FORECASTLE: Do.
UPPER DECK: Do.
GANGWAY: 3"x1" Flat. Top Rail 1 3/8 tube with one lower rail 7/8" Dia rod.
 3-6" high.

Particulars of Gangways, Lifelines, etc.:—

Strong & efficient steel gangway from midship house to forecastle and poop decks. 4"x4"x1/2" lgs. braced fore & athwartship with 3"x3"x1/4" Ls. spaced 8-0 to 9-0 apart with 6"x3"x3/8" channel stringers decked with 5 1/2"x3" Oregon Pine, fitted with handrails carried by 3"x1" flats. Gangway played 2-0 in association with a height of 15-0.

Particulars of Freeing Arrangements.

	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
Particular Bulwarks.						
After Well	48-0	3-6	1 20 3-6 x 9	2	—	—
Forward Well	45-0	3-6	2 20 3-6 x 9	2	—	—
	13-0	3-6	1 20 3-0 x 9	1	—	—
	34-6	3-6	1 20 3-6 x 9	1	—	—

Open rails are fitted for more than half length of exposed portion of wells.

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.											
ON F&E ROOF DECK.											
Description of Hatchway	...	...	O.T. TO CARGO TANKS 92¢.	O.T. TO CARGO TANKS 9. P+S.	O.T. TO CROSS BUNKERS 3 IN NO.	HATCH IN F&E TO STORE.	HATCH TO FORE HOLD (TRUNKED)	HATCH TO REFRIG	HATCH TO COAL STORE	HATCH TO S.G. SPACE	HATCH TO ROPE STORE
Dimensions of Hatchway	...	...	4'-0" DIA.	4'-0" DIA.	3'-0" DIA.	2'-1" x 2'-7"	8'-0" x 8'-0"	2'-9" x 2'-9"	2'-1" x 2'-1"	2'-1" x 2'-1"	2'-1" x 1'-9 1/2"
COAMINGS	Height above Deck	...	34"	33"	33"	9"	30"	12"	9"	9"	9"
	Thickness	...	.75	.75	.75	.40	.44	.40	.40	.40	.40
	Stiffeners	...	—	—	—	—	VERT 3x3x10 T.T.P.	—	—	—	—
	Brackets, Stays	...	—	—	—	—	44 FLG	—	—	—	—
HATCH BEAMS	Number	...									
	Spacing	...									
	Scantling and Sketch	...	<p>6x3x1/2 DBLR 2" GROC PACKING IN 1 1/2 x 3/8 FLATS. 1" Dia bolt with wing nut.</p>								
	Bearing Surface	...	FASTENING OF O.T. HATCH COVERS.								
FORE AND AFTERS	Number	...									
	Spacing	...									
	Unsupported Lengths	...									
	Scantling* and Sketch	...									
	Bearing Surface	...									
HATCH COVERS	Material	...	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL	STEEL
	Thickness	...	.50	.50	.50	.40	.40	.36	.30	.30	.40
	How fitted	...	ONE PIECE	ONE PIECE	ONE PIECE	ONE PIECE	ONE PIECE	ONE PIECE	ONE PIECE	ONE PIECE	ONE PIECE
	Bearing Surface	...	HINGED	HINGED	HINGED	HINGED	HINGED	HINGED	HINGED	HINGED	HINGED
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? —

Particulars of any special features:—

manholes to Ford cofferdam. 24"x18" steel coaming 8" high.
 hinged w.t. steel covers.
 manholes to after cofferdam. 24"x18" steel coaming 8" high.
 hinged w.t. steel covers.
 access hatch to store hatch on forecastle. 2'-6" x 2'-0" coaming
 3 1/2" x 50" flat, with hinged w.t. steel cover.