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(For London Office only.)

# Lloyd's Register of Shipping.

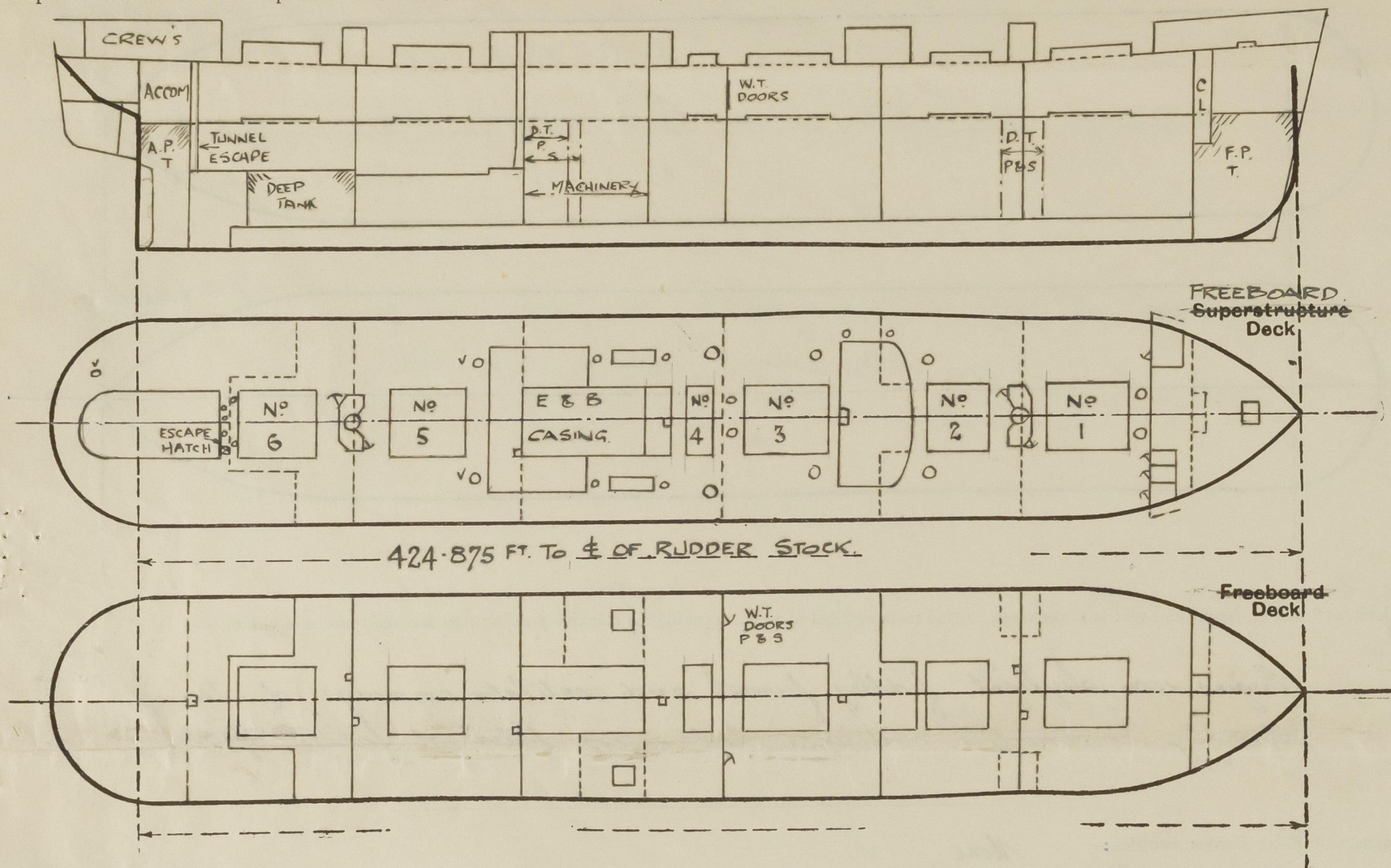
## SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

No 34078

Ship's Name "EMPIRE MANDALAY" Port of Survey *Sunderland*  
Official Number *✓* Surveyor's Signature *R. M. Wilson*  
Nationality and Port of Registry *British, Sunderland.* Date of Survey *While building.*

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 Bulkheads IN TWEEN DECKS.		<i>Carried up to weather deck.</i>			✓			
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	✓							
Bridge, Forward Bulkhead ...	✓							
Forecastle Bulkhead ...	.30	.30	5 x 3 x .32 O.A.	30"	✓	105'2" x 4'0" 30'4" x 2'1" 10'4" x 2'4"	12" 18" 18"	6'-9"
Trunk, Aft ...	✓							
Trunk, Forward ...	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	.35	.30	3 1/2 x 3 x 40	31"	Continuous	4'6" x 2'3"	24"	4'-9 3/4"
Exposed Machinery Casings on Superstructure Decks ...	✓							
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓							
Deckhouses on Flush Deck Ships Aft.	.34 .31	.25 .26	5 x 3 x 35 64 x 35 10 x 3 x 30 @ 36" 3 1/2 x 50 FLAT WELDED @ 36"		BKT. T.B.B. ✓	4'6" x 2'0" 4'6" x 2'0"	24 24	4'-6" 7'-0" A to 7'-6" F

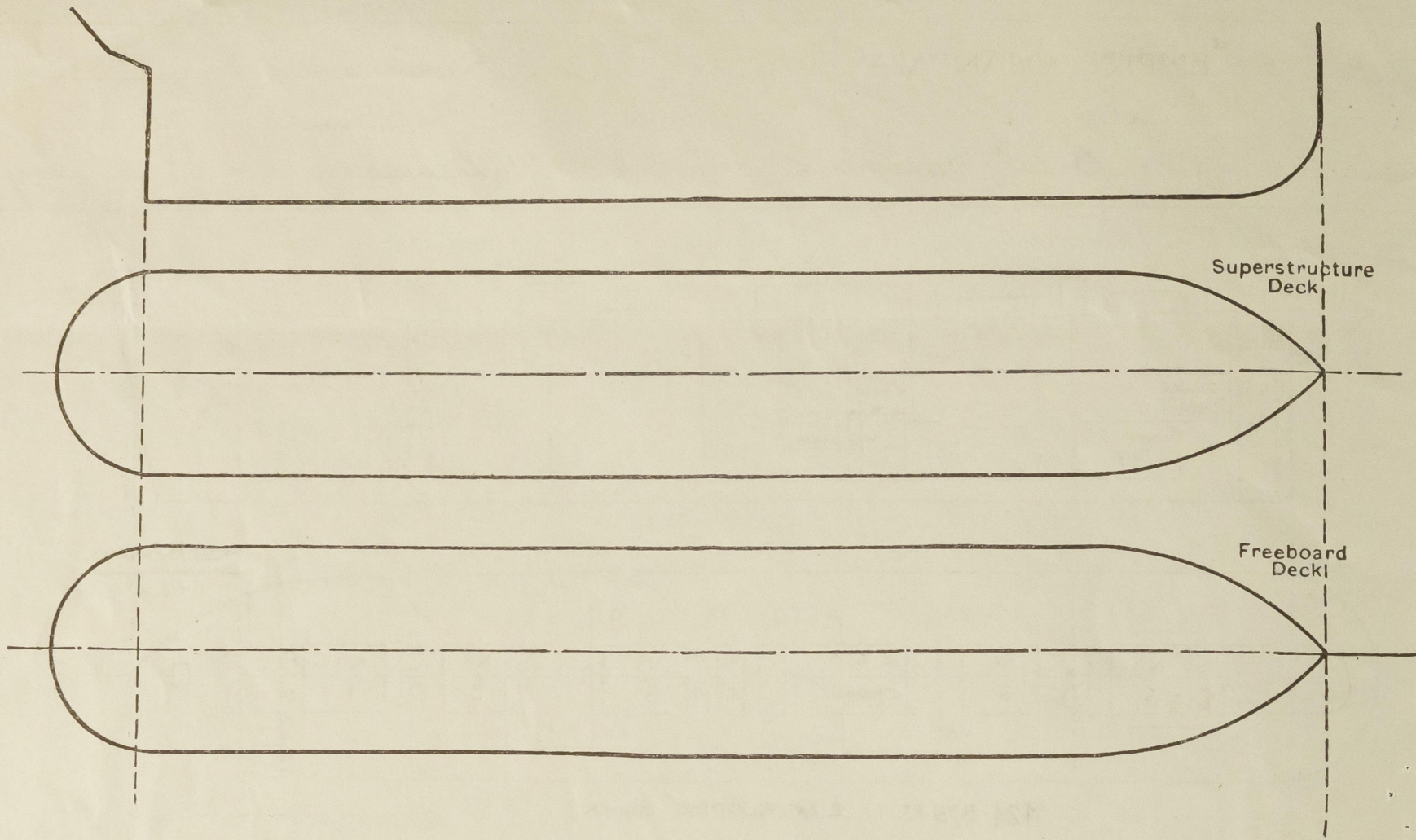
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

POOP Bulkheads IN TWEEN DECKS.	<i>W.Y. steel door P.B.S. on bulkhead no 87 operated from both sides.</i>
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ...	✓
Bridge, Forward Bulkhead ...	✓
Forecastle Bulkhead ...	<i>36" plate secured by 3/4" dia hooked bolts spaced 12" apart. Hinged steel door operated from both sides.</i>
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	<i>Hinged steel door operated from both sides.</i>
Exposed Machinery Casings on Superstructure Decks ...	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓
Deckhouses on Flush Deck Ships ...	<i>W.Y. steel door operated from both sides.</i>



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

Engine room skylight, fidley, funnel and ventilator coamings of steel ✓  
strongly constructed. Hinged steel covers fitted at fidley openings.

Particulars of Flush Bunker Scuttles :—

None

Particulars of Companionways :—

None

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

1	COWL	VENT	20 DIA.	COAMING	36" x 32"	TO STEERING GEAR
2	"	"	14 "	"	36" x 36"	TO ACCOM"
1	"	"	6 "	"	36" x 30"	do
2	"	"	18 "	"	36" x 40	HOLDS
4	"	"	18 "	"	10'6" x 34	(STAYED) do
4	"	"	12 "	"	36" x 40	BUNKER
2	"	"	18 "	"	36" x 40	HOLDS
2	"	"	9 "	"	36" x 32	DRY STORE
2	"	"	18 "	"	36" x 40	HOLDS
2	"	"	18 "	"	10'6" x 40	(STAYED) do

FORECASTLE DECK:-

1 CORN VENT 10" DIA COAMING 36"x.32" ✓  
2 " " 8 " " 36"x.32"

G.N. VENTS ✓

3-6" DIA G.N.U. ON FOSILE 35" TO LIP.  
3-6 " " TO ACCOM 33" TO LIP.

All ventilators fitted with wood plugs and canvas covers.

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

Upper Deck:- 14- 4" dia air pipes 33' high to lif.  
19- 3 " " " 33  
7- 2½" " " 33

Forecastle Deck:-

1-4" dia air pipe 24" high to lip  
1-3" " " " 24" " " "  
1-2 1/2" " " " 24" " " "

Air pipes fitted with wood plugs or gauxe  
and canvas covers.

3/8 dia snifter holes drilled in goosenecks as per Circular M.S. 222/44

Particulars of Gangway Cargo and Coaling Ports:—

None. ✓

EMPIRE MANDALAY.

Particulars of Scuppers and Sanitary Discharge Pipes :—

4-5" dia discharges from houses above freeboard deck led to N.R valves in Tween decks  
6-3½ " " " " " " ✓ " " "  
1-2½ " " " " " " ✓ " " "  
1-3 " " " " " " ✓ " " "  
2-4" dia from W.C. on 2<sup>nd</sup> deck led thro' shell with S.O. N.R Valve controlled from freeboard deck.  
1-2½ " - scupper " " " " " ✓ " " "  
1-2 " " " " " " " " " " "

12-2" dia scuffers from cargo tween decks led to bilges with self-closing  
cocks in Engine Room. ✓

Particulars of Side Scuttles :—

10" dia sidelights to accommodation: aft (tween decks)  
fitted with hinged deadlights ✓

Vertical distance of Sill of lowest Side Scuttle above top of keel.

35'-0"

Particulars of Guard Rails :—

Upper Deck:- 3'6" high, 3 rods, stanchions spaced 5 to 6 ft apart.

Forecastle Deck:- 3'3" high, 2 rods, stanchions spaced 5 to 6 ft apart

Steel bulwark fitted from fore end of saloon house to after end of engineer's house.

Particulars of Gangways, Lifelines, etc. :—

One 2" S.W. lifeline supplied with fittings for same P. & S.

## 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 <i>Amidships..</i>	<i>156'-0"</i>	<i>3'-6"</i>	<i>5'-0" x 9"</i>	<i>4</i>	<i>15 s.f.</i>	<i>✓</i>
Forward Well ... ..	<i>✓</i>					

State position of each freeing port	... ..	( <del>After Well</del> :— Amidships	Abreast nos 3 & 4 hatches and boiler casing
(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 :—

Bulwark slotted

Additional area where sheer is less than standard.

10 - 6"x5" scuppers cut in stringer angle to drain freeboard deck.



PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway	...	...	No 1	No 2	No 3	No 4	5 & 6	BUNKER HATCHES P.E.S.	BUNKER HATCH ON CASING TOP
Dimensions of Hatchway	...	...	31'-6" x 20'	31' x 20'	31' x 20'	12'-11" x 20'	31' x 20'	15'-6" x 5'	20' x 5'-2"
COAMINGS	{	Height above Deck	30"	30"	30"	30"	42"	30"	9' x 40"
		Thickness	44 8 10 L	45 6 10 L	44 6 10 L	46 8 10 L	44 8 10 L	44	44
		Sides	44	44	44	44	44	44	44
		Ends	44	44	44	44	44	44	44
Stiffeners	...	VERTLY	12 x 3 1/2 x 3 1/2 x 32 9 lbs	do	do	do	10 x 3 1/2 x 50 L	7 x 3 x 3/8 L	
Brackets, Stays	...	...	3-40 BKTS	do	do	1-40 BKT	3-40 BKTS	do	do
HATCH BEAMS	{	Number	5	5	5	5	5	...	...
		Spacing	equal	equal	equal	equal	equal	...	...
		Scantling and Sketch	5 x 3 x 40	5 x 3 x 38	5 x 3 x 38	5 x 3 x 38	5 x 3 x 38	...	...
		Bearing Surface	3/4	3/4	3/4	3/4	3/4	...	...
FORE AND AFTERS	{	Number	NONE	✓	✓	✓	✓	✓	✓
		Spacing	...	...	...	...	...	...	...
		Unsupported Lengths	...	...	...	...	...	...	...
		Scantling* and Sketch	...	...	...	...	...	...	...
HATCH COVERS	{	Material	W.W.	W.W.	W.W.	W.W.	W.W.	W.W.	W.W.
		Thickness	3"	3"	3"	3"	3"	3"	3"
		How fitted	F&A	F&A	F&A	F&A	F&A	THWART	F&A
		Bearing Surface	5	5	5	5	5	3	3
Spacing of Cleats	...	...	...	...	...	...	...	...	...
Number of Tarpaulins	...	...	...	...	...	...	...	...	...

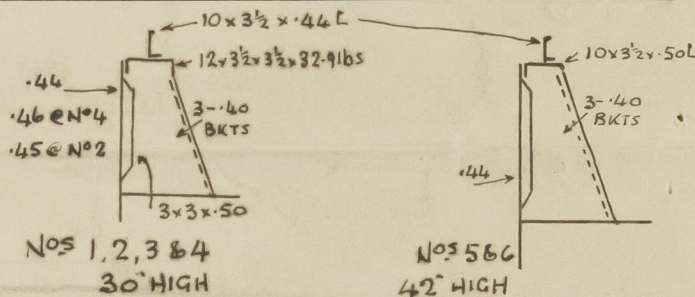
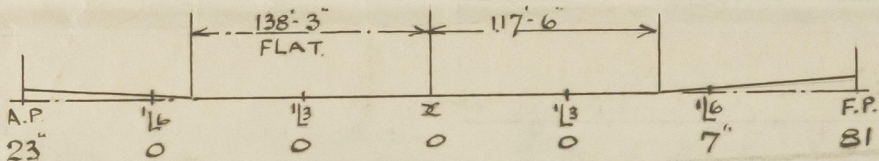
\*Are wood fore and afters steel shod at all bearing surfaces? *✓*

Are battens and wedges efficient and in good condition? *yes.*

Are tarpaulins in good condition and in accordance with rule requirements? *yes*

Are lashings provided in accordance with rule requirements? *locking bars fitted.*

Particulars of any special features:—



*This vessel has been built to scantlings as per plans approved 1/10/42 in order to obtain a draught in excess of that permitted by the Rules for a C.S.S. vessel having a tonnage opening.*

*Pre-fabricated materials have been incorporated in the vessel.*

Endorsement at first survey and at surveys for renewal of Certificate:—

The fittings and appliances are in accordance with the particulars shown on this form (or as now modified) and are in good condition.



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