

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

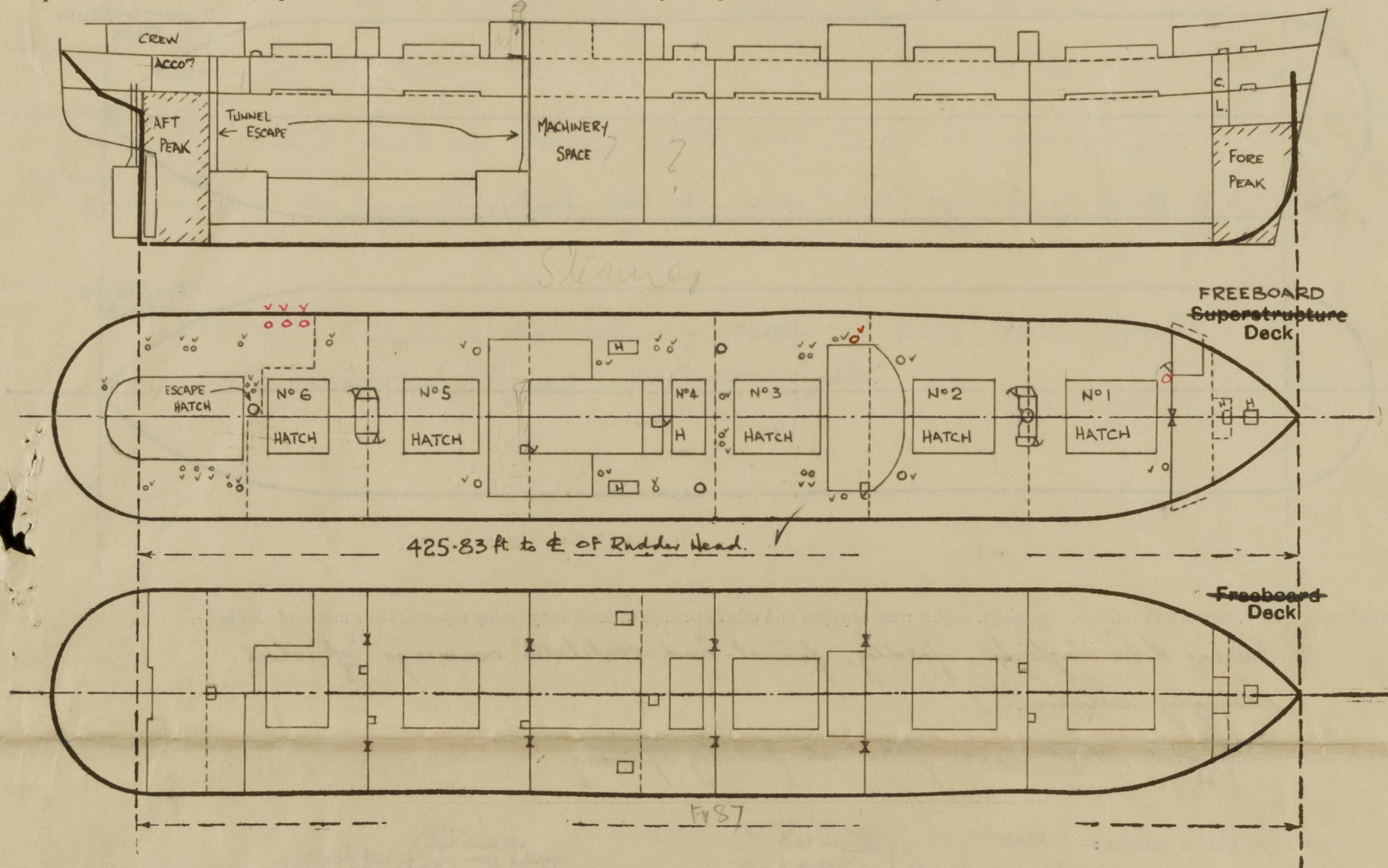
Index No. \_\_\_\_\_  
(For London Office only).

21 NOV 1941

N<sup>o</sup> 33254

Ship's Name **"EMPIRE NEWTON" ARTIZAN** Port of Survey **Sunderland**  
 Official Number **169006** 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
Deep Bulkheads between Decks ...	.26"	.26"	5 x 3 x .42 O.A.	30"	JOINTER RIV. T. & B.	6'-6" x 4'-0" 5'-0" x 4'-0"	NO SILL 19"	
Raised Quarter Deck Bulkhead ...	✓	✓						
Bridge, After Bulkhead ...	✓	✓						
Bridge, Forward Bulkhead ...	✓	✓						
Forecastle Bulkhead ...	.30"	.30"	4 x 3 x .40 O.A.	30"	JOINTER RIV. T. & B.	1 @ 5'-0" x 2'-2" 1 @ 5'-0" x 4'-0 1/2"	12" 12"	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" ✓	7'-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	Fore .34" AFT .30"	.25" .26"	3 x 3 x .35 & REV. TO 3 x 3 x .35 3 x 3 x .30	30" TO 46" 42"	BKT. T. & B. & JOINTER JOINTER RIV. & B.KTS.	4'-6" x 2'-0" 4'-6" x 2'-0"	24" ✓ 24"	7'-6" ✓ 7'-6" TO 8'-0" F

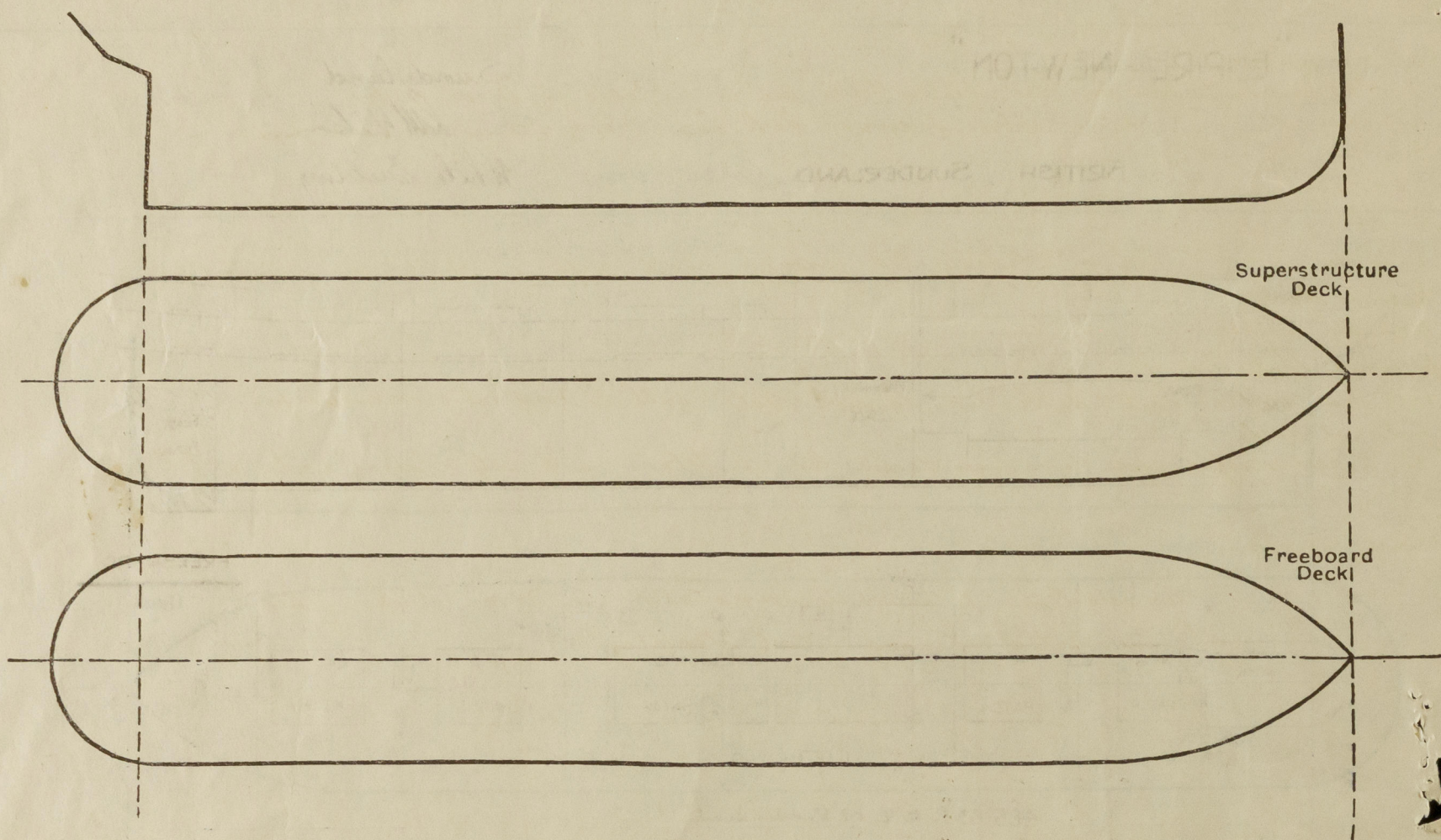
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Deep Bulkheads between Decks ...	.36" plate secured by 3/4" bolts spaced 3 3/4".	At Bld 87 .36" plate with 3/4" hook bolts spaced 12"	X
Raised Quarter Deck Bulkhead ...	✓		
Bridge, After Bulkhead ...	✓	Between deck bulkheads closed in accordance with M.S. 1835. 21/3/40.	
Bridge, Forward Bulkhead ...	✓		
Forecastle Bulkhead ...	.36" plate secured by 3/4" hook bolt spaced 12" apart.	Hinged steel door operated from both sides	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	Hinged steel doors operated from both sides		✓
Exposed Machinery Casings on Superstructure Decks ...	✓		
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	✓		
Deckhouses on Flush Deck Ships ...	Hinged steel doors operated from both sides		✓



## 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:—

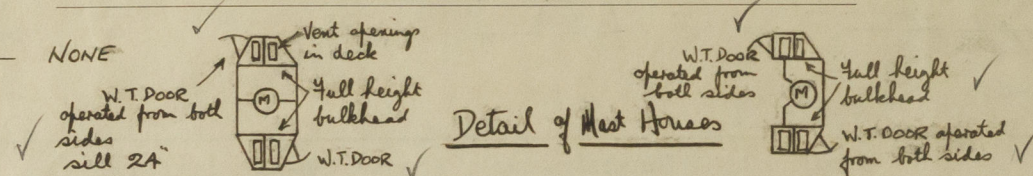


Particulars of fiddle, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing:—

Engine Room skylight, fiddle, funnel and ventilator coamings of steel strongly constructed.

Hinged steel cover fitted at fiddle opening

Particulars of Flush Bunker Scuttles:— NONE



Particulars of Companionways:— NONE

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

FORECASTLE			
1	Bowl vent	10" Dia.	coaming 34" x 32" to steering gear
1	"	12	" " 34" x 34" to accom.
4	"	18	" " 34" x 40" " Tween Decks
4	"	12	" " 34" x 34" " Bunker
4	"	14 1/2	" " 34" x 36" " Hold
4	"	12	" " 34" x 34" " Tween Decks
2	"	18	" " 126" x 40" (Staged) " "
1	"	18	" " 36" x 40" " Tween Decks
2	"	15	" " 34" x 36" " Cabin Store
69	"	6	" " 34" x 30" " accom.
4	"	10	" " 34" x 32" " "
4	"	7	" " 34" x 38" " "

FORECASTLE DECK

1	Bowl vent	18" Dia.	coaming 36" x 40" to hold on upper deck
1	"	10 1/2	" " 36" x 32" " Cabin Store
2	"	8	" " 36" x 30" " "

GOOSENECK VENTS ON UPPER DECK & FORECASTLE

3	6" x 4" C.I. G.N.V. to accom 3A to lift
1	6" x 4" " " " Hose 36" " "
2	7" x 5" " " " Bunker 42" " "

Ventilators fitted with wood plugs and canvas covers.

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

10	4" Dia	Air Pipes	33" high to lip C.I.	✓
13	3	"	33	✓
7	2 1/2	"	33	✓

Air pipes fitted with wood plugs and canvas covers.

Particulars of Gangway Cargo and Coaling Ports:—

NONE

Particulars of Scuppers and Sanitary Discharge Pipes:—

1-2	Dia	discharge from carpenter's shop in fore lead to H.R. Valve in tween decks	✓
4-4	Dia	" " houses above freeboard deck led to H.R. Valves in tween decks	✓
2-5	Dia	" " " " " " " " " " " "	✓
3-2	Dia	" " " " " " " " " " " "	✓
3-2 1/2	"	" " " " " " " " " " " "	✓
1-4	Dia	" " W.C. on 2nd deck led through shell with S.D.H.R. Valve controlled from foreboard deck	✓
1-2	Dia	" " " " " " " " " " " "	✓
1-1 1/2	Dia	waste } on 2nd deck led through shell with S.D.H.R. Valve controlled from foreboard deck	✓
12-2	Dia	scuppers from cargo tween decks led to bilges, with self closing cocks in E.R. only.	✓

Particulars of Side Scuttles:—

10" Dia sidelights to crew accommodation in tween decks, fitted with substantial hinged steel deadlights.

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

34'-3"

Particulars of Guard Rails:—

3'-9" high, 3 Rods; stanchions spaced 5 to 6 ft apart.

Forecastle 3'-4" high, 2 Rods.

Steel bulwark fitted in way of accommodation 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 fitted P. 85.

## 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 AMIDSHIPS	156'-0"	3'-6"	6'-10" x 9"	3	15.4 ft <sup>2</sup>	
Forward Well	✓					

State position of each freeing port ... (After Well:— AMIDSHIPS) Abreast #03 Hatch, #04 Hatch and Engine 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. ✓

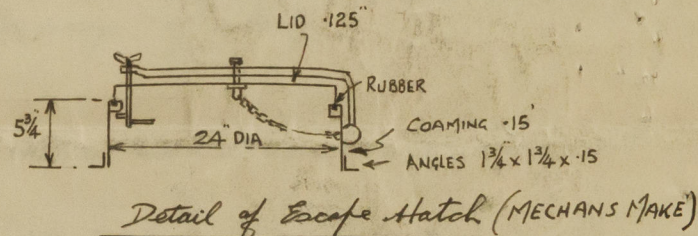
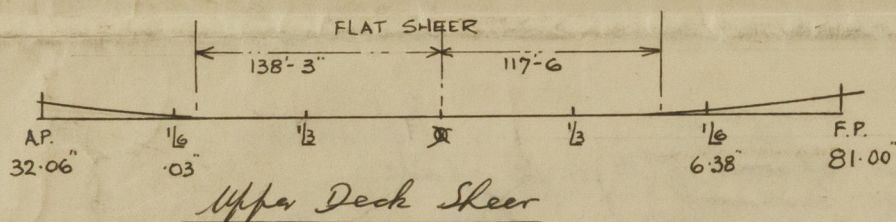
10-6" x 5" scuppers cut in stringer angle to drain freeboard deck.



# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.									
Description of Hatchway		No 1	No 2	Nos 3, 5 & 6	No 4	BUNKER HATCHES			
Dimensions of Hatchway		31' 6" x 20'	31' x 20'	31' x 20'	12' 11" x 20'	15' 6" x 5'			
COAMINGS	Height above Deck	30"		30"	30"	30"			
	Thickness	45"		44"	46"	44"			
	Sides	44"		44"	44"	44"			
	Ends	44"		44"	44"	44"			
Stiffeners		8" x 3" x 44"		8" x 3" x 44"	7" x 3" x 40"	7" x 3" x 38"			
Brackets, Stays		3-5 1/2" x 3" x 4"		3-5 1/2" x 3" x 4"	1-5 1/2" x 3" x 4"				
HATCH BEAMS	Number	5	5	5	1				
	Spacing	equal	equal	equal	equal				
	Scantling and Sketch	5" x 3" x 38"	5" x 3" x 38"	5" x 3" x 38"	5" x 3" x 38"				
		17 1/4" x 36"	16" x 36"	16" x 36"	18 5/8" x 38"				
Bearing Surface		5" x 3" x 38"	5" x 3" x 38"	5" x 3" x 38"	5" x 3" x 38"				
AT NO 1 HATCH ONLY		10" x 40" RIDER							
Bearing Surface		3/4"	3/4"	3/4"	3/4"				
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths								
	Scantling and Sketch								
Bearing Surface									
HATCH COVERS	Material	W.W.	W.W.	W.W.	W.W.	W.W.			
	Thickness	2 3/8"	2 3/8"	2 3/8"	2 3/8"	2 3/8"			
	How fitted	F.B.A.	F.B.A.	F.B.A.	F.B.A.	F.B.A.			
	Bearing Surface	5"	5"	5"	5"	3"			
Spacing of Cleats		24"	20"	20"	20"	20"			
Number of Tarpaulins		2	2	2	2	2			
<p>*Are wood fore and afters steel shod at all bearing surfaces? <input checked="" type="checkbox"/></p> <p>Are battens and wedges efficient and in good condition? <input checked="" type="checkbox"/></p> <p>Are tarpaulins in good condition and in accordance with rule requirements? <input checked="" type="checkbox"/></p> <p>Are lashings provided in accordance with rule requirements? <input checked="" type="checkbox"/> Locking bars fitted at all hatches</p>									

Particulars of any special features:—



Can this be removed from both sides?

The vessel has been built to scantlings as per plans approved 5/6/41 in order to obtain a draught in excess of that permitted by the Rules for a C.S.S. vessel having a tonnage opening.

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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