

Lloyd's Register of Shipping.

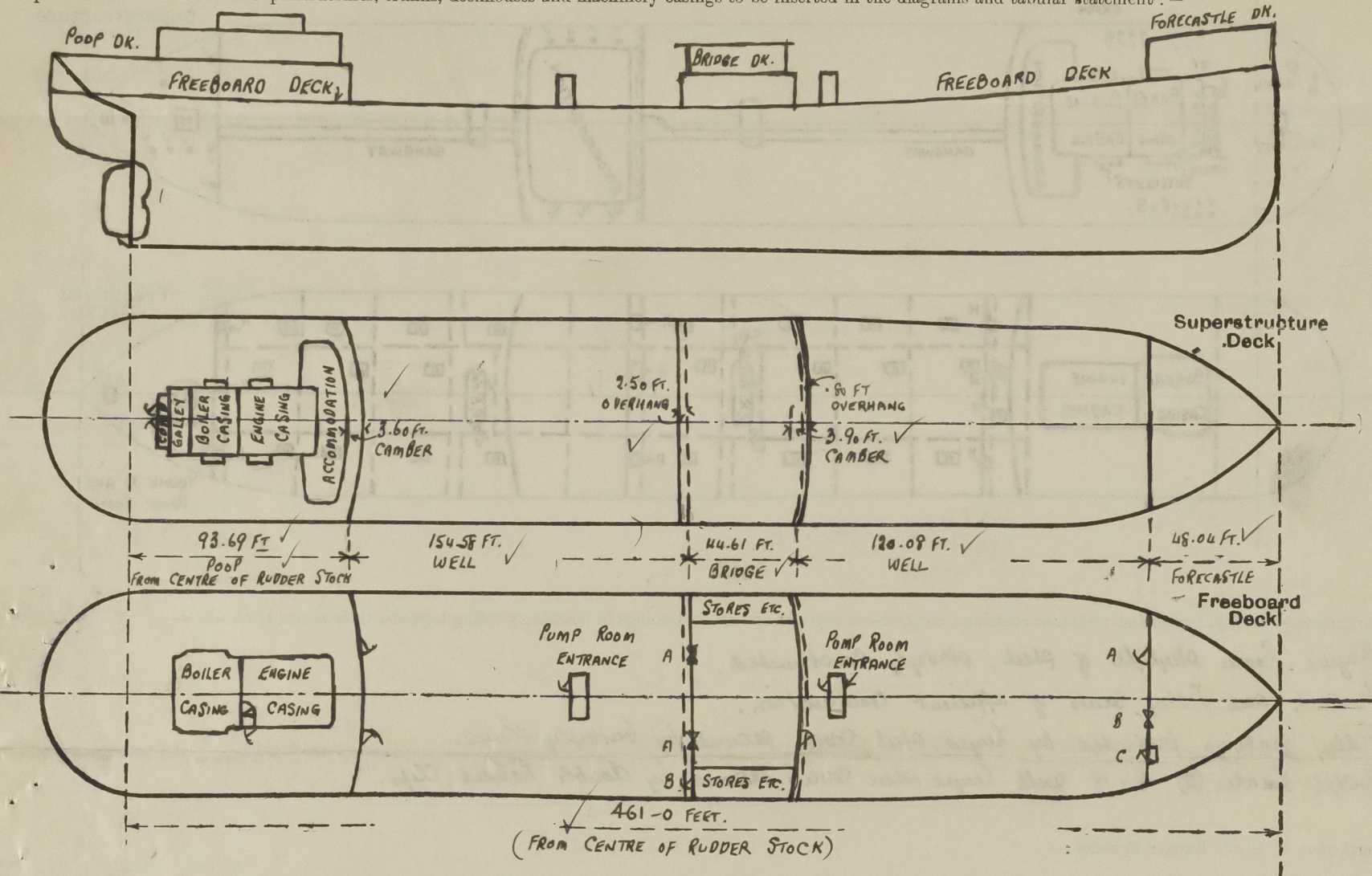
SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

FEB 15 1941.

Ship's Name **ECHODALE** Port of Survey **NEWCASTLE - ON - TYNE**
 Official Number **168069.** Surveyor's Signature **A. B. Johnson.**
 Nationality and Port of Registry **BRITISH, LONDON.** Date of Survey **DURING CONSTRUCTION 1940 - 41.**

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.

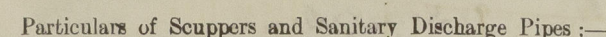
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	.44.		10 x 3 1/2 x .40 B.A.	about 30"	Keels at top Bridges at bottom	5-0 x 2-6 (2)	18"	7-6"
Raised Quarter Deck Bulkhead ...	NONE.							
Bridge, After Bulkhead ...		.32	5 x 3 x .30 ANG.	about 30"	Runs through boundary bars	5-0 x 3-0 3/4 (2) A. 5-0 x 2-0 (1) B.	18" 20"	7-6"
Bridge, Forward Bulkhead ...		.44	9 x 3 1/2 x .42 B.A.	about 33"	Bridges top and bottom	5-0 x 2-6 (1)	19"	7-6"
Forecastle Bulkhead ...		.32	4 x 3 x .34 ANG	about 30"	Runs through boundary bars	5-0 x 2-6 (1) A 5-1 x 4-1 (1) B	18" 23 1/2"	7-6"
Trunk, Aft ...	NONE.					4-1 x 2-0 (1) C	24"	
Trunk, Forward ...	NONE.							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	NONE.							
Exposed Machinery Casings on Superstructure Decks ...	.34	.30	3 x 3 x .30 ANG.	30 3/4"	Brackets at top continuous below superstructure deck	NONE		8-4"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	NONE.							
PUMP ROOM ENTRANCES on Flush Deck Ships ...	.40 flat casings. .30 aft end.	F.B.	6 x 3 x .36 B.A. about 30 x 33 4 x 3 x .32 ANG. about 30"		Brackets at top at bottom Brackets at top	4-6 x 2-3 in each entrance	24"	7-6"

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

Poop Bulkhead ...	2 HINGED STEEL W.T. DOORS OPERATED FROM BOTH SIDES	✓
Raised Quarter Deck Bulkhead ...	NONE.	✓
Bridge, After Bulkhead ...	1 HINGED STEEL W.T. DOOR OPERATED FROM BOTH SIDES.	✓
Bridge, Forward Bulkhead ...	2 PORTABLE STEEL PLATES SECURED BY HOOK BOLTS SPACED ABOUT 14 1/2" APART	✓
Forecastle Bulkhead ...	1 HINGED STEEL W.T. DOOR OPERATED FROM BOTH SIDES	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	1 PORTABLE STEEL PLATE SECURED BY HOOK BOLTS SPACED ABOUT 14" APART	✓
Exposed Machinery Casings on Superstructure Decks ...	2 HINGED STEEL W.T. DOORS OPERATED FROM BOTH SIDES	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	NONE	✓
PUMP ROOM ENTRANCES on Flush Deck Ships ...	NONE	✓
PUMP ROOM ENTRANCES on Flush Deck Ships ...	1 HINGED STEEL W.T. DOOR IN EACH OPERATED FROM BOTH SIDES.	✓

Particulars of Gangway Cargo and Coaling Ports :—

NONE.



Particulars of Side Scuttles:—

POOP SIDES: 10 and 12 dia. of substantial construction and fixed with deadlights

BRIDGE SIDES: 8 " " " " " " " "

FORECASTLE SIZES:- 8 " 4 " 4 " 4 " " " " "

Byways Room Skylights of steel, strongly constructed.

Funnel and Siding Bents of efficient construction.

Foley gratings protected by hinged steel covers secured by butterfly screws.

Escape Ladders (2) 18 x 18, with Lipped Steel covers secured by double Landed Clips.

Particulars of Flush Bunker Scuttles:—

NONE.

Particulars of Companionways:— Two on poop deck, to poop space, at aft end of machinery casing with Lugs steel doors. Secured by double Landed Clps. Doorways 5-0 x 23½, pels 26½ ✓
One a forecable bulkhead to aux pump room, stbd only, with Lugs steel w.T. door, secures. by double Landed Clps. Doorway 4-1 x 24, pels 24 ✓

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

ON POOP DECK.

11 e 5' dia with grommet head ✓
 29" above deck to opening.
 1 e 6" dia, covering 30" x 30" board ✓
 1 e 10" " " 30" x 32" ^{boards} ✓
 2 e 12" " " 30" x 34" ^{boards} ✓
 1 e 4' dia with grommet head,
 30" above deck to opening ✓

ON BRIDGE DECK.

7" @ 6" diam. Coarings 30 x 30 Carl Vents.

ON UPPER DECK.

4 @ 24" diam. poorly constructed vents to pump rooms. Coamings 18.3" above deck efficiently stayed to pump room entrance house, coral lead.

ON FORECASTLE DECK.

2 @ 8" diam.	Galvaney	36 x .30	} Coal beats ✓
1 @ 12 "	"	36 x .34	
6 @ 10 "	"	36 x .32	

CLOSING APPLIANCES.

24 Nests fitted with gas-tight flaps in Coarings.
Other Cowd Nests Coarings closed by screw down
W.T. flaps or wood flaps and canvas covers,
and goose-neck Nests by wood flaps or canvas covers.

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

ON POOP DECK.

1 @ 2' den, 5 @ 2 1/2' den, 3 @ 3' den
with goose-neck lead, about 24" above
deck to opening. ✓
2 @ 4' den, with Mushroom Lead, about
24" above deck to opening. ✓

ON UPPER DECK.

2 at 4' clear about 9.3 above deck to opening
efficiently stayed.

3 @ 3' clear about 7.0 above deck to opening
and 2 @ 3' clear about 7.6 above deck to
opening efficiently stayed.

ON FORECASTLE DECK

104' dia. with foreseen Lead, 18' above deck
to opening.
2 @ 4' dia. with mushroom Lead, 23' above deck
to opening. ✓

CLOSING APPLIANCES

Wine gauge covers fitted at Muckroom head. Wood Plugs on Canoes covers at foremast head.

Particulars of Guard Rails :—

AT POOP BRIDGE & FORECASTLE DECKS. 3-6 high, 3 rails, stanchions spaced about 4-9 apart. ✓

AT FREEBOARD DECK:-

<u>Open rails</u>	" " " "	✓
<u>balustrade</u>	3-6' high x 30' thick, 7" O.A. rail bar, 6" bulb plate stays	✓
	about 6'-0" about specially stayed adjacent to erection ends.	✓

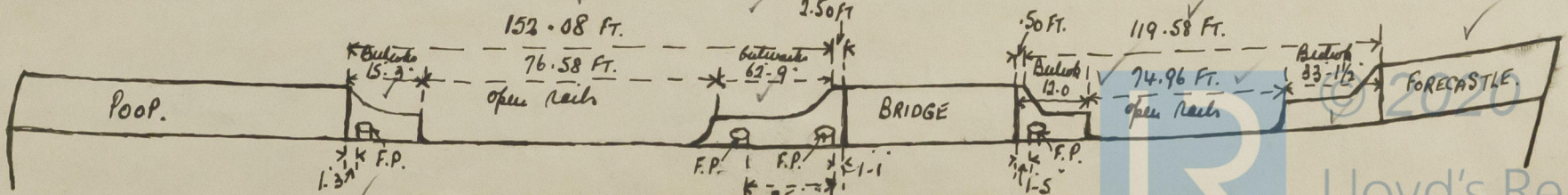
Particulars of Gangways, ~~Lifelines~~, etc.:— Keylet 7-6: width at top 3-3 and at bottom 4-9; supports $4 \times 4 \times .40$ ✓
 angle spaced about 7-6 apart and each with $3 \times 3 \times .40$ angle diagonal cross ties and brackets top & bottom;
 side diagonal $3\frac{1}{2} \times 3\frac{1}{2} \times .40$ angle fitted in alternate bays and bracketed top & bottom; sides of platform
 of $5 \times 3 \times .40$ B.A.; platform of wood 3" thick; guard standards 3-6 high and spaced about 5-0 apart.
 2 rails in Keylet. ✓

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	152.08 Ft.	3-6"	○ 3-0 × 1-3"	3	10.24 sq. ft. rope rails ✓	Lumber. ✓
Forward Well.	119.58 Ft.	3-6"	○ 3-0 × 1-3"	1	3.41 sq. ft. rope rails ✓	Lumber. ✓

State position of each freeing port { After Well:— *as per* } *13" above deck.*
(F. and A. position and height above deck edge) { Forward Well:— *sketch* }

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— *bars, 3 vertical in each.*

Additional area where sheer is less than standard.



PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										ON FORE DECK IN SUPERST. ONE.										
ON F.B. DECK										ON SUPERST. DECKS										
Description of Hatchway										CARGO TANKS	COFFEROAMS F & A	OIL FUEL BUNKER	To POOP STORES	To POOP ROPE STORE	FOR CARGO SPACE	FORE PEAK STORES	FORE PEAK STORES			
Dimensions of Hatchway										4.6 x 3.6 (27 ft)	1.6 x 2.0 (6 ft)	1.6 x 2.0 (2 ft)	3.3 x 2.6 (1 ft)	1.3 dia. (1 ft)	8.0 x 10.0 (1 ft)	2.6 x 2.6 (1 ft)	2.6 x 2.6 (1 ft)			
COAMINGS										Height above Deck	30	7	7	16 1/2	6 x 3 x 36	34	9 x 3 1/2 x 44	9 x 3 1/2 x 40		
										Thickness	40	40	40	40	Bulk angle	44	Bulk angle	Bulk angle		
										Sides										
										Ends										
										Stiffeners										
										Brackets, Stays										
HATCH BEAMS										Number	With 54	With 50 thick	With 50 thick	With 40 thick	With 40 thick	With 40 thick	With 40 thick			
										Spacing	thick lugs	thick lugs	thick lugs	thick lugs	thick lugs	thick lugs	thick lugs			
										Scantling and Sketch	Steel cover	thick lugs	thick lugs	thick lugs	thick lugs	thick lugs	thick lugs			
										Bearing Surface	thick lugs	thick lugs	thick lugs	thick lugs	thick lugs	thick lugs	thick lugs			
FORE AND AFTERS										Number										
										Spacing										
										Unsupported Lengths										
										Scantling* and Sketch										
										Bearing Surface										
HATCH COVERS										Material										
										Thickness										
										How fitted										
										Bearing Surface										
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 :—

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.

