Rpt. C.11.

GLASGOW REPORT No. 68084

11 FEB 1944

Index No. 37522
(For London Office only).

F. 51

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(CONDITIONS OF ASSIGNMENT.)

Ship's Name NORRISIA

Official Number 169753.

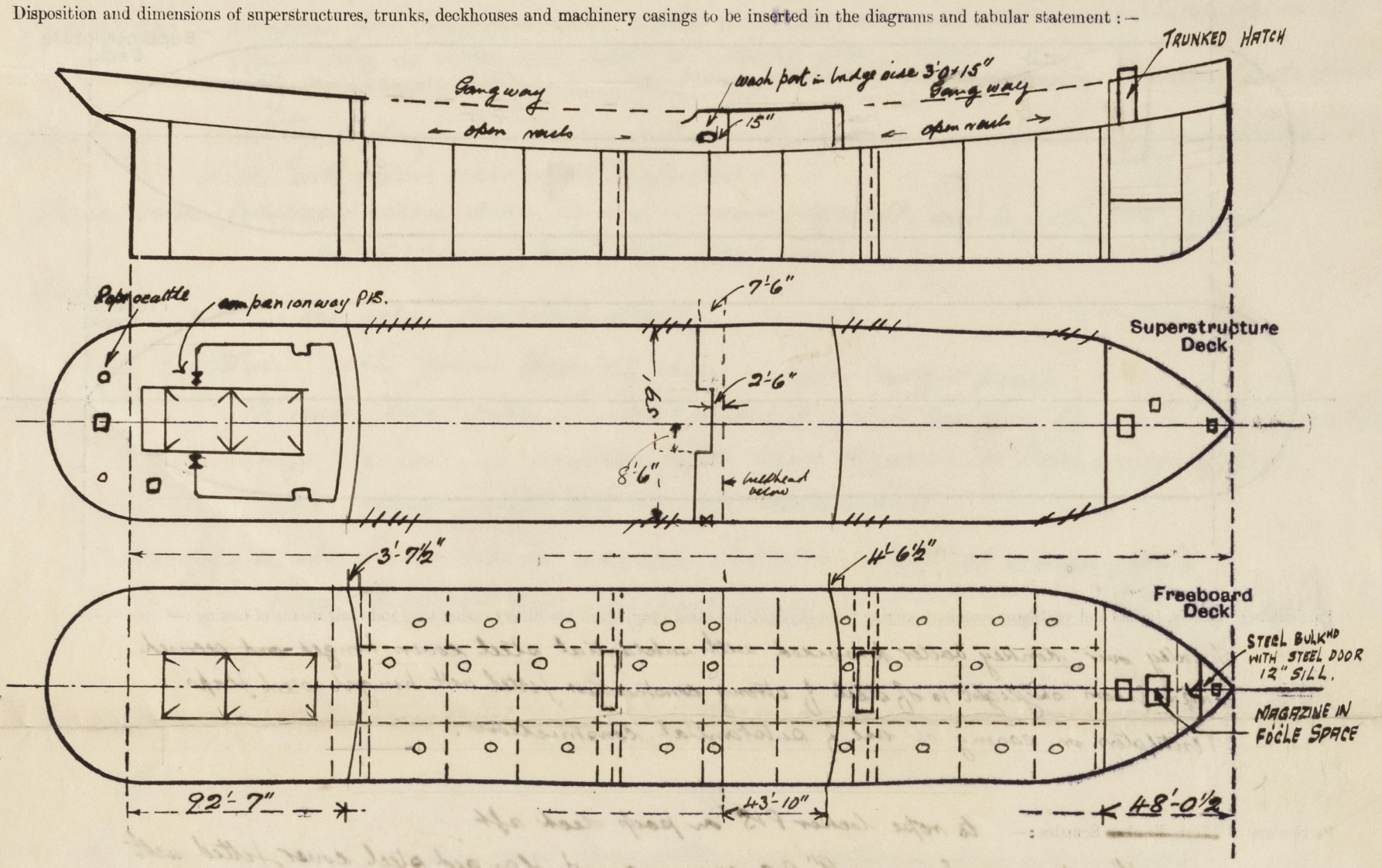
Nationality and Port of Registry British. London

Port of Survey Belfast and Glasgow

Surveyor's Signatures Wm. Balfour and W. J. Pyle

Date of Survey during construction.

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 welded	8×4×·50 L welded	27" to 30"	welded T+B	2@5'-0"×7'-6"	18"	7'-6"
Raised Quarter Deck Bulkhead								
Bridge, After Bulkhead		·30 welded	6"×5/16 welded	27" to 30"	welded T+B	2@5'-3"×3'-0" 1@5'-0"×2'-0"	18" 18"	7'-6"
Bridge, Forward Bulkhead		·44 welded	8×4×·50 L welded	27" to 30"	welded T+B	1@5'-0"×2'-6"	18"	7'-6"
Forecastle Bulkhead		·30 welded	6"×5/16 welded	24" to 36"	none	1@5'-0"×4'-0" 1@5'-0"×2'-6" 1@5'-0"×2'-0"	12" 15" 18"	7'-6"
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Freeboard or Raised Quarter Decks								
Exposed Machinery Casings on Superstructure Decks within deckhouse exc. shaft end	·30	·26	4×3"·32	31	none	none where exposed	✓	7'-6"
Machinery Casings within Superstructures 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	2. Hinged steel W.T. doors. ✳ ✓
Raised Quarter Deck Bulkhead	✓ ✓
Bridge, After Bulkhead	one hinged steel door W.T. ✳; Two portable stiffened plates secured by hook bolts.
Bridge, Forward Bulkhead	Hinged steel W.T. door. ✳
Forecastle Bulkhead	one hinged steel W.T. door ✳ (companionway); one hinged steel door ✳; one portable stiffened plate secured by Hook bolts
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	✓
Exposed Machinery Casings on Superstructure Decks	no openings
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	✓
Deckhouses on Flush Deck Ships	✓ ✳ operated from both sides.

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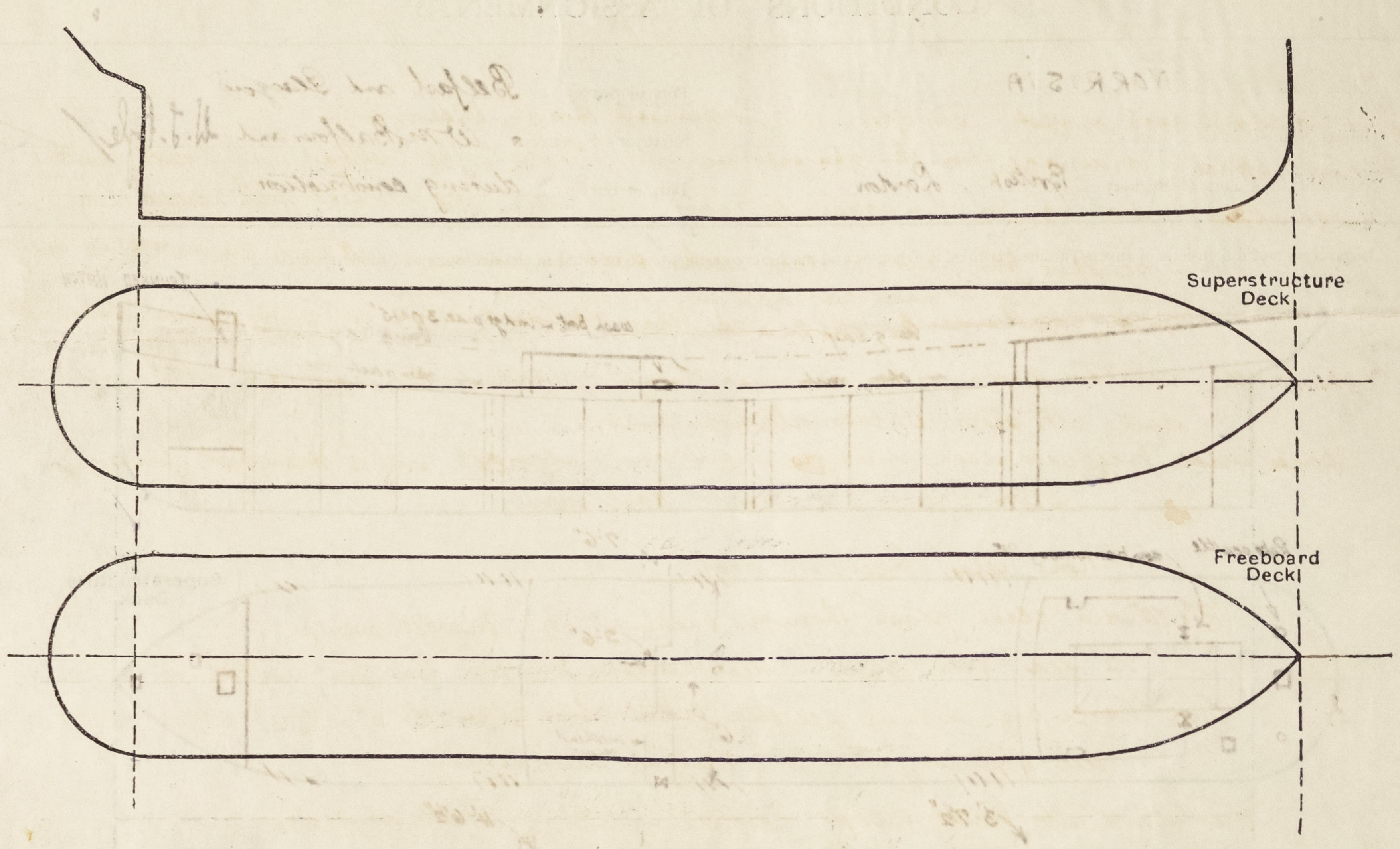
"NORRISIA"

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 :— ✓

Fiddley over donkey boiler provided with substantial steel covers hinged and secured ✓
Engine room skylight is of steel of strong construction fitted with hinged steel flaps ✓
Ventilators on casing top are of substantial construction.

Particulars of ~~Flush Bunker~~ Scuttles :— to rope locker P & S on poop deck aft ✓
The opening has a 9" B.A. coaming with flanged steel cover fitted with ✓
hemp packing secured by spindle, strong back and butterfly nut.

Particulars of Companionways :— One door in f'cle bulkhead to pump room 5' x 2' sill 18" door steel W.T. secured by toggles ✓
Access to pump room (cargo) in strong steel deckhouse, one each well, plating ·32 welded; stiffeners 5" x 3" angles L ·5/16
welded, spaced 27" to 30" door 30" x 58" sill 18" hinged steel W.T. door secured by toggles ✓
door in aft end of poop deckhouse, sill 18" door 26" x 63" leading down to Poop tween decks. ✓
all doors operated from both sides ✓

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

On forecastle deck :- 6 @ 10", 1 @ 6" C.V. coaming 36" x rule thickness to spaces in forecastle ✓
and below freeboard deck. 2 of 8" x 4" Syfo Vents 36" x 30 — 1 - 6" dia GNV. 32" high by rule thickness to store; 1 - 2½" dia GNV. 27" high by rule thickness to magazine
On Bridge deck :- 7 @ 6" 30" coam. x ·30 to Bridge tween decks ✓
On poop deck :- 6 @ 6", 2 @ 10" coaming 30" x rule thickness 13. S.H. Vents cast steel 36" ✓
1 @ 3" dia GNV. 22" high with gauze to magazine
Fore well :- 2 @ 9¼" dia derrick post ventilators to pump room efficiently supported ✓
Aft well :- 2 @ 9¼" dia " " " " " " " ✓
Boat deck 6" dia; 8" dia; 9" dia: 13" dia ventilators coaming 30" x rule thickness to poop tween decks ✓
Cowl ventilators on poop and f'cle provided with steel W.T. covers or wood or steel plugs & canvas covers
S.H.V provided with plugs. ✓

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

On forecastle deck :- 1 @ 4" to fore peak : 4 @ 4" to deep tank, 30" high to fore peak, 20" high to deep tank.
On freeboard deck fore well :- 2 @ 3" to for'd cofferdam carried up 6 ft on f'cle bulkhead & clipped thereto. ✓
Aft well :- 2 @ 3" to aft cofferdam carried up 6 ft on poop bulkhead & clipped thereto. ✓
2 @ 4" to oil fuel bunker carried up about 11 ft on poop bulkhead & clipped thereto. ✓
On poop deck :- 2 @ 2½" to aft peak : 4 @ 2½ to F.W. tanks : 1 @ 2½ to rudder trunk
1 @ 2½ to stern compt. 22" to 30" high ✓
On Casing top :- air pipes 2½" to 4" dia from tanks in engine space, height 18" above casing top ✓
All air pipes provided with canvas covers or wire gauze

Particulars of Gangway Cargo and Coaling Ports :—

None ✓

Particulars of Scuppers and Sanitary Discharge Pipes :—

From freeboard deck in wells: scuppers cut at gunwale through sheerstrake. ✓
Forecastle space :- drainage from this space by means of 1" holes in f'cle bulkhead with screwed plugs ✓
Bridge space :- drainage from this space is by means of 1" holes in after bulkhead with screwed plugs. ✓
Poop space :- scuppers from freeboard deck within poop led overboard with storm valves at ship's side.
screwed plug at inner ends except in Steering Gear Space. ✓
Sanitary discharges led overboard below freeboard deck with storm valves at ship's side ✓
Upper bridge :- sanitary discharges from accommodation on bridge deck led overboard above freeboard
deck with storm valves at ship's side. ✓
Spaces below freeboard deck drain to engine room bilges aft, and to drain hats forward
storm valves of malleable cast iron. ✓

Particulars of Side Scuttles :—

None below freeboard deck ✓
8" & 10" dia clear glass through shell in f'cle, bridge & poop.
12" dia clear glass in deck houses & 8" in Main Pump Rooms, 8" in Bridge End, F'cle front & 10" in Poop front.
Also large size escape scuttles fitted where required by Defence regulations ✓
All scuttles fitted with hinged deadlights
A substantially built escape scuttle fitted in shell at cruiser stern
between freeboard deck and poop deck. ✓

Vertical distance of Sill of lowest Side Scuttle above top of keel — None below freeboard deck ✓

Particulars of Guard Rails :— On poop, bridge and forecastle and between bulwarks in wells
3'-8" high - 3 rails stanchions 4'-6" to 5 ft apart. ✓

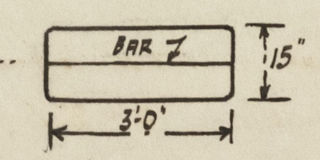
Particulars of Gangways, Lifelines, etc. :— Fore and aft gangway in wells 7'-9" high, channel stringer 6 x 3 x 3 x 3/8 P & S ✓
connected by 3 x 3 x 3/8 transverse angles spaced 4'-0" apart. Gangway plated ·32 with transverse strips
welded to plating with rails (two each side). ✓ Gangway supported by bracing to deck 4" x 4" x ½" ✓
spaced 8'-0" apart and spread 5'-3" transversely at deck ✓ Supports braced transversely by
3 x 3 x 5/16 angles diagonals and longitudinally by ties 3½ x 3½ x 3/8 angles fitted diagonally
in alternate spaces. ✓

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 inc. open bridge 154'-10"	at poop 15 ft at bridge 61 ft	3'-8"	3'-0" x 1'-3"	1 1	over 50% open rails	✓
Forward Well 120'-8" ...	at bridge 15 ft at f'cle 27 ft	3'-8"	3'-0" x 1'-3"	1 1	over 50% open rails	

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.

	← Tel deck		→	Freeboard deck		→	poop			
Description of Hatchway	Fore Peak	Fore hold	to magazine	27 Cargo tanks	Coffer dams + trunks (BOFF)	Forecastle Hatch	2 off			
Dimensions of Hatchway	30" × 30'	8' × 8'	24" × 30"	4'0" dia	24" × 18"	30" × 30"	30" × 30"			
COAMINGS — Height above Deck	9" Ba	30	9" above steel 6" above planking armour	10"	6"	9" BA	9" Ba			
COAMINGS — Thickness (Sides / Ends)	.46	.50	.46	3/4	.46	.46"	.46			
COAMINGS — Stiffeners	✓									
COAMINGS — Brackets, Stays	✓	trunked to upper Deck	✓							
HATCH BEAMS — Number, Spacing, Scantling and Sketch, Bearing Surface	✓	✓	✓	✓	✓	✓	✓			
FORE AND AFTERS — Number, Spacing, Unsupported Lengths, Scantling* and Sketch, Bearing Surface	✓	✓	✓	✓	✓	✓	✓			
HATCH COVERS — Material, Thickness, How fitted, Bearing Surface	Steel .50 hinged W.T.	Steel stiffened .50 hinged W.T.	steel .50 hinged W.T.	Steel .40 hinged O.T.	Steel .50 bolted O.T.	Steel .40" hinged W.T.	Steel .50 hinged W.T.			
Spacing of Cleats / Number of Tarpaulins	toggles 18" apart	toggles 18" apart	toggles 18" apart	toggles 30" apart	✓ ✓	toggles 18" apart.	toggles 18" apart.			

*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:—

Guard rails fitted round cargo hatches.

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.