

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

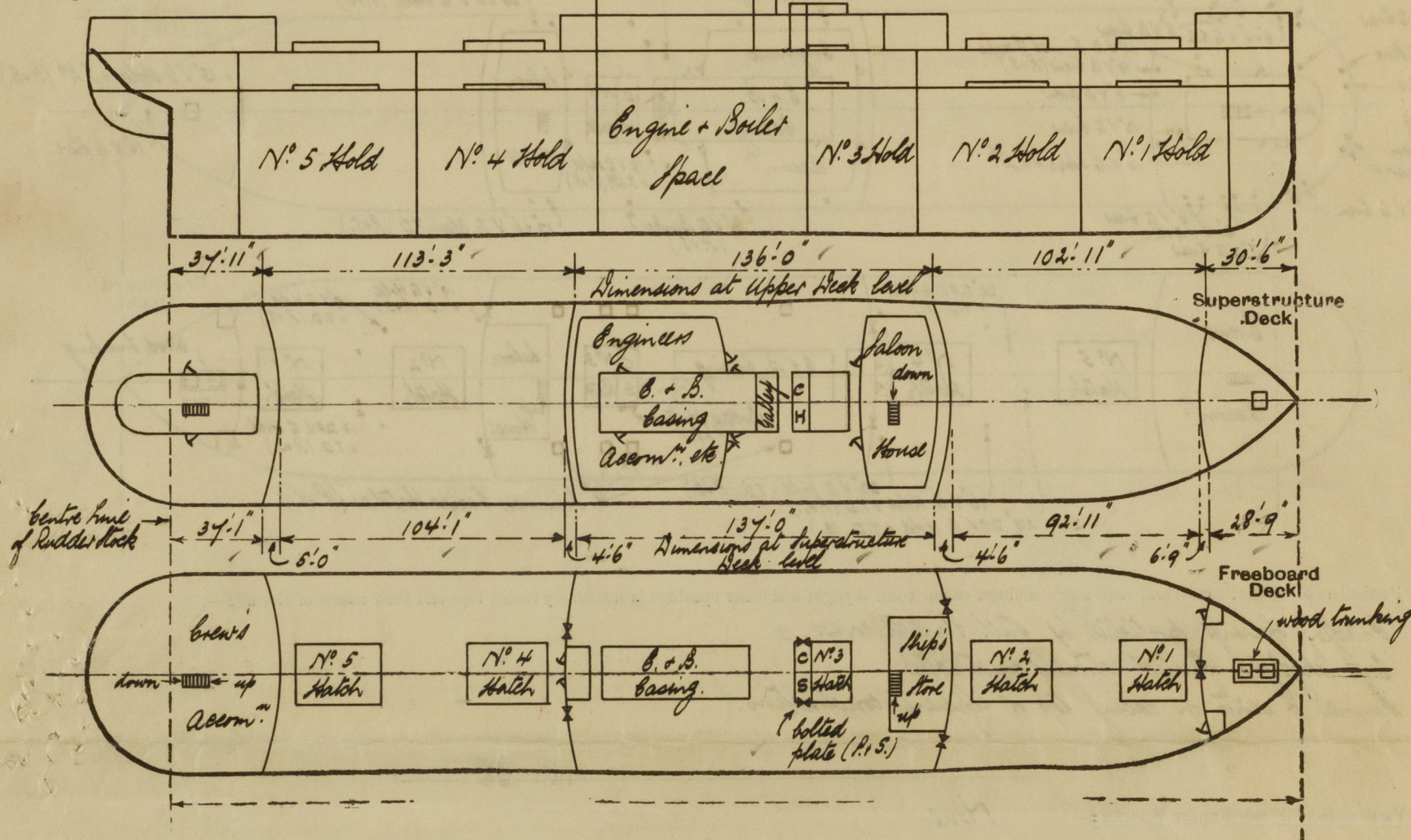
(CONDITIONS OF ASSIGNMENT.)

OCT 25 1918

BERNARD

Ship's Name **EMPIRE VOICE**Port of Survey *Glasgow*Official Number **165990**Surveyor's Signature *T. R. McIlvenna*Nationality and Port of Registry *British Glasgow*Date of Survey *Whilst 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.

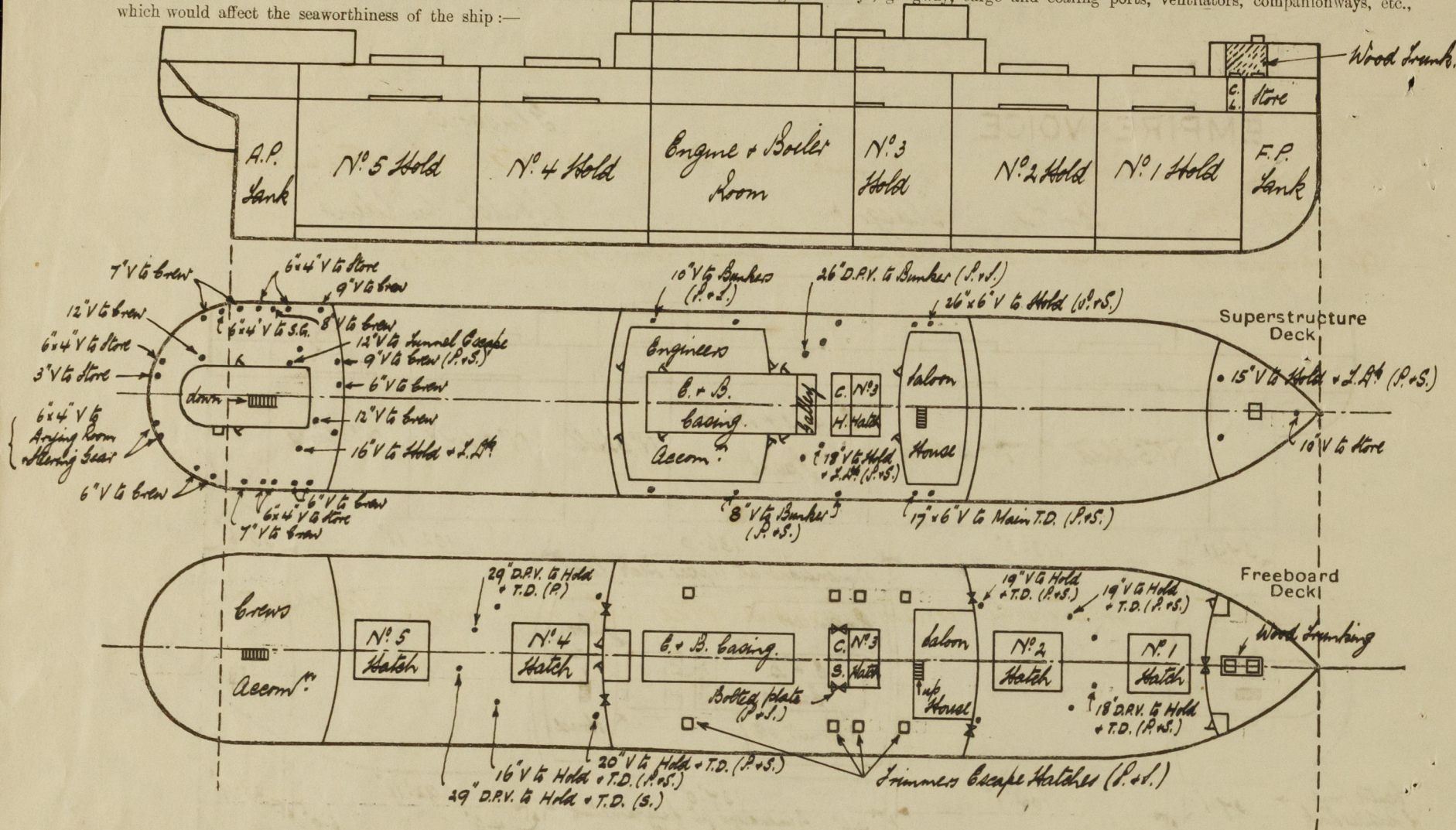
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	.35	✓ .35	{ 5x3x.36 B.A. 5x3x.34 B.A.	30" to 28"	Lugged top & bottom	none	18"	4' 6"
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ...	.30	.30 ✓	4x3x.34	31" to 21"	"	2 @ 5'6" x 3'6" 2 @ 5'0" x 2'6"	18" ✓	4' 6" ✓
Bridge, Forward Bulkhead ...	.40	.40 ✓	8x3x.45 B.A.	26 1/2"	"	2 @ 6'0" x 3'6" 2 @ 5'1" x 2'0"	9" ✓	4' 6" ✓
Forecastle Bulkhead ...	.28	.26 ✓	3 1/2 x 3 x .30	32" to 27"	"	1 @ 5'1" x 4'1"	18" ✓	4' 6" ✓
Trunk, Aft ...	✓							
Trunk, Forward ...	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓							
Exposed Machinery Casings on Superstructure Decks ...	.30 ✓	.30 ✓	3 x 3 x .30	30"	Riveted to bottom bar	2 @ 6'1 1/2" x 1'11 1/2"	21" (P) 15" (S)	8' 3 1/4" ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	.26 ✓	.26 ✓	3 1/2 x 2 1/2 x .30	30"	continuous	2 @ 5'0" x 4'0"	18"	4' 6" ✓
Deckhouses on Flush Deck Ships ...	✓							

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

Poop Bulkhead ...	None No openings ✓	Handed Steel WT Doors (See C.11 Contd)
Raised Quarter Deck Bulkhead ...	✓	
Bridge, After Bulkhead ...	2 hinged steel doors capable of manipulation from both sides. blank fastenings (on steel plate) 12" apart not passing through Bulkhead ✓	
Bridge, Forward Bulkhead ...	2 steel plates secured by bolts spaced 3 1/2" apart. ✓	
Forecastle Bulkhead ...	2 hinged steel doors capable of manipulation from both sides. blank fastenings (on steel plate) 12" apart not passing through Bulkhead ✓	
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓	
Exposed Machinery Casings on Superstructure Decks ...	2 hinged steel doors capable of manipulation from both sides ✓	
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	2 steel plates secured by bolts spaced 4" apart. ✓	
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:—

Sidealls firmly protected by steel hinged covers. ✓
C.R. design of steel strongly constructed ✓
Dunnel & vents on casing top of efficient construction. ✓

Particulars of Flush Bunker Scuttles :—

None.

Particulars of Companionways :—

Access to bow on after deckhouse on Dog Deck. Openings $4'10\frac{1}{2}" \times 2'6"$; sill 18".
Strong hinged steel doors capable of manipulation from both sides. ✓
Entrance to Engineers House at fore & after ends; openings $5'1\frac{1}{2}" \times 2'0" = 5'1\frac{1}{2}" \times 2'6"$.
Sills 15". Strong hinged steel doors capable of manipulation from both sides. ✓

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

POOP DECK		BRIDGE DECK.	
2 @ 16" dia.	craming 30" x 38" to Hold	2 @ 26" x 6" craming	30" x 36" to Hold
3 @ 4" "	" " 30" to Bow	2 @ 14" x 6" "	30" x 34" to Horn. H th
1 @ 8" "	" " " "	2 @ 18" dia. "	30" x 40" to Hold.
2 @ 12" "	" " " 34" "	2 @ 10" "	30" x 32" to Bunkers.
1 @ 12" "	" " " T.E.	4 @ 8" "	30" x 30" "
3 @ 9" "	" " 32" to Bow	2 @ 26" (DRY) "	24" high x 65" "
5 @ 6" "	" " 30" "		
1 @ 3" S.N.Y. "	" " " " " " "		
8 @ 6" x 4" "	" " " " " " "		

BRIDGE DECK.

2 @ 26" x 6" craming	30" x 36" to Hold	✓
2 @ 14" x 6" "	30" x 34" to Horn. Lk.	✓
2 @ 18" dia. "	30" x 40" to Hold.	✓
2 @ 10" " "	30" x 32" to Bunkers.	✓
4 @ 8" " "	30" x 30" "	✓
2 @ 26" "(DRY)" "	24 high x 65" "	✓

FCLE DECK:-

2 @ 15" dia. craming	36" x 36" to Hold	✓
1 @ 10" " "	" 32" to HORN	✓

All Vents (except Herring
Ports) fitted with Wood
Plugs & Canvas covers.

AFTER WELL

2 @ 16" dia.	coaming	36" x .38" to Hold.	✓
2 @ 20" "	"	19'0" x .40" "	(Stayed) ✓
2 @ 29" (D.P.V.)	"	46" high	✓

FORD, WELL.

4 @ 19" dia. craning 11'0" x 40" to Halls (stayed) ✓
2 @ 18" " (D.P.V.) " 11'6" x 50" " (stayed at Herrick Hall)

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

FCL DECK.

AFTER WELL
2 @ 6" dia. C.I. 36" in height to N° 6 A.D. Lank.

FORD WELL.

POOP DECK
2 @ 6" dia. C.I. 18" in height to A. P. Lank.
1 @ 3" " " " " " Rudder Trunk.

BRIDGE DECK.

2 @	6" dia.	E.I.	18" in height	to N ^o 2 A.B. Tank.
2 @	"	"	"	3 " "
2 @	"	"	"	4 " "
2 @	"	"	"	5 " "
2 @	"	"	"	6 " "

All Air Pipes fitted with wood plugs. ✓

Particulars of Gangway Cargo and Coaling Ports:—

None

Empire Voice

Particulars of Scuppers and Sanitary Discharge Pipes :—

All sumps & discharges from enclosed spaces led overboard & fitted with storm valves at ship's side.

No scupper or discharges led over-board from speeds below Fiveboard Gek. ✓

Particulars of Side Scuttles:—

All sidelights of substantial construction and fitted with steel hinged deadlights ✓

Vertical distance of Sill of lowest Side Scuttle above top of keel 35.8'

Particulars of Guard Rails :—

POOP & BRIDGE DECKS - Rails 3'-10" high; 3 rails; stanchions spaced about 5'-0" apart. ✓

FCE DECK:-

Particulars of Gangways, Lifelines, etc.:—

Provision made for fitting lifelines in Lord & After Walls.


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	113'-3"✓	3'-8½"✓	4'-0" x 1'-6"✓	4✓	24 ♂✓	22.65 ♂✓	
Forward Well	102'-11"✓	3'-8½"✓	4'-0" x 1'-6"✓	4✓	24 ♂✓	20.58 ♂✓	

State position of each freeing port { After Well :— from Bridge Land 14'-6", 45'-0", 68'-6", 98'-6"
(F. and A. position and height above deck edge) 10 { Forward Well :— from Bridge Land 12'-0", 39'-6", 64'-0", 91'-6"

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— $\frac{3}{4}$ " rods, no shutters

Additional area where sheer is less than standard.

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.										CASING	BRIDGE	FCLE DECK
FREEBOARD DECK										TOP	SPACE	
Description of Hatchway	N ^o 1	N ^o 2	N ^o 3	N ^o 4	N ^o 5	N ^o 3	Boat Hatch	Boat Hatch	T. E. Hatches	Hatch to Store		
Dimensions of Hatchway	27' x 22'	32'6" x 22'	14' x 18'	32'6" x 22'	32'6" x 22'	14' x 18'	5' x 18'	5' x 15'	27' x 30"	48' x 30"		
COAMINGS	Height above Deck ... 30" Thickness ... 44" Stiffeners ... 10 x 3 1/2 x 44" Brackets, Stays ... 2 at ends	as N ^o 1 2 at sides 1 at ends	9 40 ✓	as N ^o 1 ✓	as N ^o 1 ✓	as N ^o 1 1 at sides 1 at ends	as N ^o 1 ✓	9" B.A. ✓	9" x 40" Bulk plate welded to deck	30" 44" ✓		
HATCH BEAMS	Number ... 5'6" max. Spacing ... 5'6" max. Scantling and Sketch ...  Bearing Surface ... 20 1/2 x 37 angles 4 1/2 x 3 1/2 x 46	as N ^o 1 ✓	4'10" max. 15 1/2 x 36 angles 4 x 3 x 44 as N ^o 1	as N ^o 1 ✓	as N ^o 1 ✓	4'10" max. 14 1/2 x 32 angles 4 1/2 x 3 x 44 ✓	✓	✓	✓	✓		
FORE AND AFTERS	Number ... Spacing ... Unsupported Lengths ... Scantling* and Sketch ... Bearing Surface ...	✓	✓	✓	✓	✓	✓	✓	✓	✓		
HATCH COVERS	Material ... W.P. reinforced by half steel Thickness ... 2 3/8" x 18" How fitted ... 3 x 3 Bearing Surface ... 3 x 3	as N ^o 1 ✓	W.P. 2 3/8" 3 x 3 as N ^o 1	as N ^o 1 ✓	as N ^o 1 ✓	as N ^o 1 ✓	as N ^o 1 ✓	as N ^o 1 ✓	W.P. 2 3/8" Hinged 3" as N ^o 1	as N ^o 1 3 24"		
Spacing of Cleats	24"	as N ^o 1	24"	✓	✓	✓	✓	✓	under 24"	24"		
Number of Tarpaulins	2	as N ^o 1	1	✓	✓	✓	✓	✓	1	2		
*Are wood fore and afters steel shod at all bearing surfaces? <input checked="" type="checkbox"/> yes Are battens and wedges efficient and in good condition? <input checked="" type="checkbox"/> yes Are tarpaulins in good condition and in accordance with rule requirements? <input checked="" type="checkbox"/> yes Are lashings provided in accordance with rule requirements? <input checked="" type="checkbox"/> yes STEEL BARS.												

Particulars of any special features:—

Moulded displacement at 85% mld. depth = 15358 tons
 Block coefficient = .7618
 Tons per inch immersion 25' mld. draft = 47.88
 " " " 25'5" " = 48.04
 " " " 26 " " = 48.27

Midship section & Profile previously forwarded with 1st Entry sister vessel "EMPIRE LIGHT".
 Freeboard request form enclosed

Small hatchways on Upper Deck inside side have no covers or battering arrangements. They are protected by 2" W.P. trunking for full height of Upper Deck (see sketch)

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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