

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

Nº 32081

"MAX BORNHOFEN"

(CONDITIONS OF ASSIGNMENT.)

Ship's Name *LLAN DAFF.*

Port of Survey *Sunderland.*

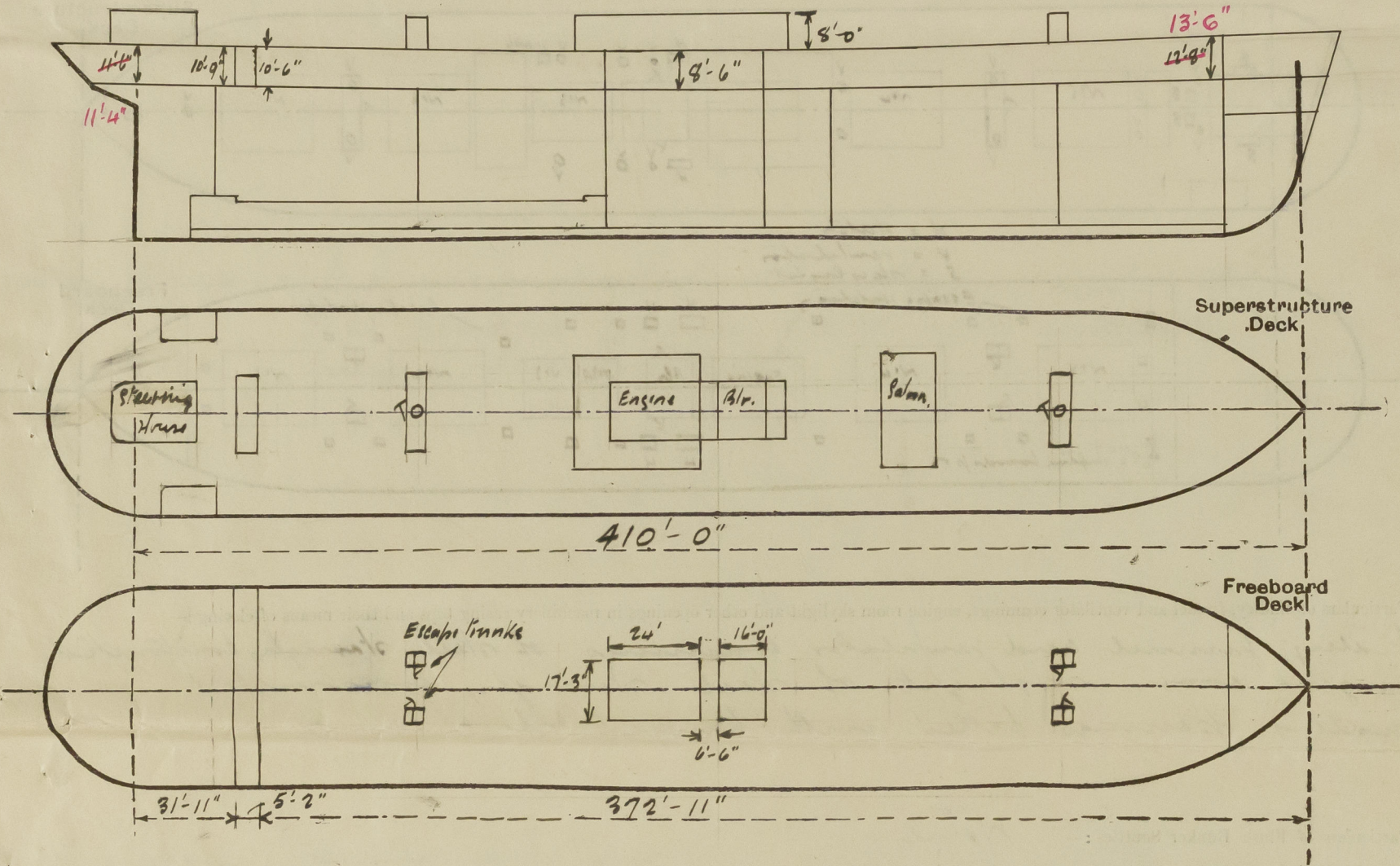
Official Number

Surveyor's Signature *Jas. J. Rennie*

Nationality and Port of Registry *British. London.*

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 ... ..	✓	30	5" flange	30" / 33"	✓	✓	✓	10'-9"
Raised Quarter Deck Bulkhead ...	✓							
Bridge, After Bulkhead ... ..	✓	30	5" flange	30" / 33"	✓	2' @ 6'-0" + 3'-1"	18"	10'-6"
Bridge, Forward Bulkhead ... ..	✓							
Forecastle Bulkhead ... ..	✓							
Trunk, Aft ... ..	✓							
Trunk, Forward ... ..	✓							
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓							
Exposed Machinery Casings on Superstructure Decks ... ..	34	30	3 1/2" x 3" x 30"	31" x 32"	Top. 12k bar. Bottom. "	1 Port 1 Starboard 4'-6" x 2'-4"	18"	8'-0"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	34	26	do.	do.	do.	1 Port 1 Starboard 4'-0" x 2'-0"	30"	8'-6"
Deckhouses on Flush Deck Ships ...	✓							

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

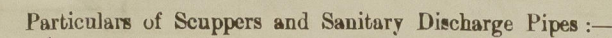
Poop Bulkhead ... ..	✓ No openings.
Raised Quarter Deck Bulkhead ...	✓
Bridge, After Bulkhead ... ..	Shifting boards 2 1/2" thick in riveted channels.
Bridge, Forward Bulkhead ... ..	✓
Forecastle Bulkhead ... ..	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Superstructure Decks ... ..	Hinged steel doors 30 thick operated from both sides.
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	Hinged steel doors 30 thick operated from both sides.
Deckhouses on Flush Deck Ships ...	



Sladoff.

Particulars of Gangway Cargo and Coaling Ports:—

None ✓



Particulars of Side Scuttles:—

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

35'-10"

Particulars of Guard Rails :—

A hand-drawn diagram of a long, narrow rectangular structure, possibly a runway or a track, with a total length of 126'3". The diagram is divided into several segments by vertical lines. The segments are labeled with their lengths: 11'6", 20'6", 126'3", 122', 112'9", and 17'6". Above the diagram, there are two labels: "Hans." above the first segment and "bu/walk." above the last two segments. The diagram is drawn with a ruler and includes dimension lines and arrows to indicate the measurements.

Particulars of Gangways, Lifelines, etc.:—

None.

Circulars or Ventilators in exposed positions on <del>deck</del> superstructure decks:—			
	Size	Vent.	6" dia. framing
To fore peak stow.	One	"	36" x .30. ✓
" hold & tween deck.	"	"	21" " 36" x .40. ✓
" "	Two	"	21" " 30" x .40. ✓
" "	Two	"	21" " 40" diameter ports ✓
" tween deck.	Two	"	12" " 30" x .34. ✓
" hold.	Two	"	21" " 30" x .40. ✓
" "	One	"	21" " 30" x .40. ✓
" funnel.	One	"	9" " 30" x .32. ✓
" crew pass.	Two	"	12" " 33" x .36. ✓
" after peak stow.	One.	"	6" " 30" x .30. ✓
" hold & tween decks.	Four.	"	30" " 18" x .40. (On top of mast houses). ✓
" cabin stow in tween deck.	Two	"	6" " Grommets. 18" to life ✓

Particulars of Air Pipes in exposed positions on <u>wooden</u> , <u>fixed</u> <u>quarter</u> or superstructure decks:—				
One	4 1/2"	forepeak	To fore peak tank.	13" to top.
Two	6"	"	"	20 1/2 tank.
"	4"	"	"	2 "
"	3 1/2"	"	"	3 "
"	3"	"	"	4 "
"	4"	"	"	5 "
"	4"	"	"	6 "
One	4 1/2"	"	"	after peak tank.

All airpipes fitted with wooden plugs. ✓

all airpipes fitted with  
wooden plugs. ✓

Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side <sup>1</sup>
Tonnage 9/1000 After Well ... ..	5' 16"	10' 9" - 10' 6"	24" x 18"	one.	3 sq ft ✓	
Forward Well ... ..						

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.

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# PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.											
← Superstructure Deck → ← Freeboard Deck →											
Description of Hatchway	No 1	No 2	No 3	No 4	No 1.	No 2.	No 3.	No 3 A.	No 4.	No 5.	
Dimensions of Hatchway	29'3" x 22'6"	31' x 22'	28'5" x 17'2"	36'2" x 22'0"	29'3" x 22'0"	31' x 22'	19'6" x 17'2"	10'6" x 17'2"	36'2" x 22'	36'2" x 22'	
COAMINGS	Height above Deck	30"	30"	30"	30"		11' x 12' = 44' B.A.				
	Thickness	44	44	44	44						
	Stiffeners	11 x 3 1/2 x 44	do	do	do						
	Brackets, Stays	Reith Patent	2	2	3						
HATCH BEAMS	Number	5	5	4	6	5	5	3	1	6	
	Spacing	4'-10 1/2"	5'-2"	6'-0" 5'-7"	5'-2"	4'-10 1/2"	5'-2"	4'-10"	5'-2"	5'-2"	
	Scantling and Sketch	Plate 19" x 36"	Plate 19" x 36"	Plate 15" x 32"	Plate 15" x 34"	Plate 23" x 40"	Plate 20" x 18"	Plate 15" x 16"	Plate 15" x 16"	Plate 20" x 18"	
	Bearing Surface	Angles 5'3" x 46"	Angles 5'3" x 46"	Angles 4'3" x 44"	Angles 5'3" x 46"	Angles 5'3" x 46"	Angles 5'3" x 46"	Angles 4'3" x 44"	Angles 4'3" x 44"	Angles 5'3" x 46"	
FORE AND AFTERS	Number										
	Spacing										
	Unsupported Lengths										
	Scantling* and Sketch										
HATCH COVERS	Material	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.	
	Thickness	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	2 1/2"	
	How fitted	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	
	Bearing Surface	3"	3"	3"	3"	3"	3"	3"	3"	3"	
Spacing of Cleats	22"	22"	22"	22"	24"	24"	24"	24"	24"	24"	
Number of Tarpaulins	2	2	2	2	1	1	1	1	1	1	

\*Are wood fore and afters steel shod at all bearing surfaces? *None.*  
 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? *Yes.*

Particulars of any special features:—

*None.*

*Sheets at Freeboard Deck.*

AP. 38.0"  
 1/6 L from AP 13.75"  
 2/6 L " 3.0"  
 Amidships "  
 2/6 L from F.P. 7.5"  
 1/6 L " 29.5"  
 F.P. 72.0"

*Other Hatches.*

*Upper Deck, to fore peak.*

*3'9" x 2'6". Coaming 30" x 44". rest bar 3".*

*wood covers 2 1/2". cleats 18". 2 tarpaulins.*

*Cabin above, 3'0" x 3'0". Coaming 30" x 34".*

*rest bar 3". wood covers 2 1/2". cleats 22".*

*2 tarpaulins.*

*Bunkers, 2 off. 9'9" x 3'6". Coaming 30" x 44".*

*rest bar 3". wood covers 2 1/2".*

*cleats 21". 2 tarpaulins.*

*After Peak Store, 2'6" x 2'6". 18" x 34".*

*rest bar 3". cleats 16". 2 tarpaulins.*

*Escape Hatches to No 1, 2 holds & main deck, 4 escape hatches to No 1, 2, 4, 5, holds. Framed.*

*in forward main house, 2 openings*

*3'6" x 3'0". Coaming 18". 2 steel doors 30".*

*Escape Hatches to No 4 & 5 holds & main*

*deck in after main house, 2 openings*

*3'6" x 3'0". Coaming 18". 2 steel doors 30".*

*Tonnage opening 22' x 5'2". Coaming*

*11" B.A. wood covers 2 1/2".*

*Hatch on casing top, 15' x 6'6". Coaming 9'3" x 18'6"*

*rest bar 3' x 40". cleats 24". Wood covers 2 1/2". 2 tarpaulins.*

*Freeboard Deck.*

*To fore peak, 3'9" x 3'0". Coaming 30" x 40 L.*

*wood covers 2 1/2".*

*Escape Hatches, 10 off 2' x 2'6". 10 off 2' x 2'4".*

*Coaming 9'3" x 18'6".*

*1 1/2" to 1 3/4" wide. hinged wood covers 2 1/2".*

*cleats 12" x 16". 1 tarpaulin.*

*2 Bunker hatches 4'10 1/2" x 3'6". 9' x 3 1/2" x 40'5". 3" rest bar.*

*wood covers 2 1/2". cleats 18" x 24". 1 tarpaulin.*

*2 Bunker hatches 9'9" x 3'6". 9' x 3 1/2" x 40'5". 3" rest bar.*

*wood covers 2 1/2". cleats 18" x 24". 1 tarpaulin.*

*2'9" x 2'9". Coaming 18". steel door 30".*

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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