

PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS									
ON FREEBOARD DECK.					ON BRIDGE DECK.				
Description of Hatchway	N. 1.	N. 2.	N. 3.	N. 4.	N. 5.	N. 6.	N. 7.	N. 8.	N. 9.
Dimensions of Hatchway	27'-3" x 20'-0"	30'-4" x 20'-0"	27'-4" x 20'-0"	30'-4" x 20'-0"	30'-4" x 20'-0"	30'-4" x 20'-0"	27'-4" x 20'-0"	30'-4" x 20'-0"	30'-4" x 20'-0"
COAMINGS	Height above Deck	42" ✓	44" ✓	42" ✓	42" ✓	42" ✓	44" ✓	44" ✓	44" ✓
	Thickness	44" ✓	44" ✓	44" ✓	44" ✓	44" ✓	44" ✓	44" ✓	44" ✓
	Stiffeners	8 x 3 x 5	9 x 3 x 5	9 x 3 x 5	9 x 3 x 5	8 x 3 x 5	7 x 3 x 4	7 x 3 x 4	7 x 3 x 4
	Bulkheads, Stays	2 x 2	3	3	3	3	3	2	3
HATCH BEAMS	Number	4	4	3	4	4	4	3	4
	Spacing	5'-10"	6'-1"	5'-10"	6'-1"	6'-1"	5'-10"	5'-10"	6'-1"
	Scantling and Sketch	2 x 12 x 38	2 x 12 x 44	2 x 12 x 44	2 x 12 x 44	2 x 12 x 38	2 x 12 x 38	2 x 12 x 38	2 x 12 x 38
	Bearing Surface	32"	32"	32"	32"	32"	32"	32"	32"
FORE AND AFTERS	Number	None	None	None	None	None	None	None	None
	Spacing	None	None	None	None	None	None	None	None
	Unsupported Lengths	None	None	None	None	None	None	None	None
	Scantling* and Sketch	None	None	None	None	None	None	None	None
HATCH COVERS	Material	W.P. ✓	W.P. ✓	W.P. ✓	W.P. ✓	W.P. ✓	W.P. ✓	W.P. ✓	W.P. ✓
	Thickness	22" ✓	22" ✓	22" ✓	22" ✓	22" ✓	22" ✓	22" ✓	22" ✓
	How fitted	1.0 A. ✓	1.0 A. ✓	1.0 A. ✓	1.0 A. ✓	1.0 A. ✓	1.0 A. ✓	1.0 A. ✓	1.0 A. ✓
	Bearing Surface	3" ✓	32" ✓	32" ✓	32" ✓	3" ✓	3" ✓	3" ✓	3" ✓
Spacing of Cleats	28"	24"	24"	24"	24"	24"	24"	24"	24"
Number of Tarpaulins	2	1	1	1	1	1	1	1	1

*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? ☒

Coaling hatch, Coasting, 7.0 x 16.9. Com. 9.5 x 40
B.P. Cover 22. Bear. 3".
Cleats 26".
100 lbs tarpaulins.
2.0 x 2.6. Com. 18 x 30
Cover 22. Bear 2".
Cleats 16".
1 Tarpaulin.

Particulars of fiddley, funnel and ventilator coamings :—

Particulars of fiddley, funnel and ventilator coverings:—
at Ballinacree 12/5/142
Stippled gratings covered with strong steel hinged covers. ~~Set~~ ^{to be} permanently attached, as required.
Fiddley, funnel, & vents. in efficient condition.
The room skylight of steel, strongly constructed.

Particulars of Flush Bunker Scuttles:—

None.

Particulars of Companionways :—

Particulars of Companionways:—
One on poop leading to enclosed crew space, of steel 4'6" x 3'0" x 5'9" high,
framed wood door 1 1/8" solid, manœv. from both sides. Sill 18".

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

Particulars of Ventilators in exposed positions on freeboard and superstructure decks :—					
1 on foredeck	6 dia.	Coam.	34x38 to peak.	2 on poop	6 dia. Coam. 30x26 to crew.
	15 "	"	34x34 to hold.	2 S.W. vents.	on file 5x24. 8' high. to stern.
2 on bridge	15 "	"	36x38 "	2 "	bridge " 24 " lower bunkers.
1 on aft wall	15 "	"	90x38 " protected.	5 "	" poop " 8 " crew.
1 on poop	8 "	"	37x36 to tank.	Vents constructed on accordance with Rules.	
	9 "	"	30x26 to overo.	No place or covers fitted.	

4. Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks:—

Air Pipes in exposed positions on freeboard, raised quarter, or superstructure decks :-					
No.	Dia.	Hgt.	To peak.		
25	"	8	"	Satisfactory means of closing ventilator	
26	"	6	"	and air pipes	
27	"	50	"	No plugs or covers fitted.	
28	"	20	"		
29	"	24	To peak.		

of Gangway Cargo and Coaling Ports :—

Done.

Particulars of Scuppers and Sanitary Discharge Pipes :—

Particulars of Scuppers and Sanitary Discharge Pipes :-
Scupper from great d.k. on well led this stringer bar above d.k. bridge, fitted with wood plugs. ✓
Sanitary discharges from crew w.c. & lavatories led this ship's side below great d.k. with storm valves. ✓
Sanitary discharges from officers w.c. etc. led this ship's side above greenboard d.k. with storm valves. ✓

Particulars of Side Scuttles :—

Particulars of Side Scuttles:—
In pairs & dis. fitted with hinged deadlights. ✓
all of substantial construction.

Angulars of Guard Rails :—

Regulars of Guard Rails :-
 The 5'6" high 3 rods. Stanchions sp. 4'0" apart. ✓
 On Bridge 3'0" 3 5'0" ✓
 On Path 3'3" 3 5'0" ✓
 Steel standards or rails set in wells 3'7" high, & on midships part of bridge 3'0" high,
 strongly constructed & efficiently supported. ✓

Particulars of Gangways, Lifelines, etc.:—

Particulars of Gangways, Lifelines, etc.:-
Gangway from Bridge to poop on starboard side, 27" wide. Stanchions spaced about 8 feet apart, 3'-0" high with 1 Manila rope. ✓

~~No gangway, lifelines, or fittings in forward well.~~

Suitable provision made for rigging lifelines in the forward well for the use of the crew in the regular working of the ship.

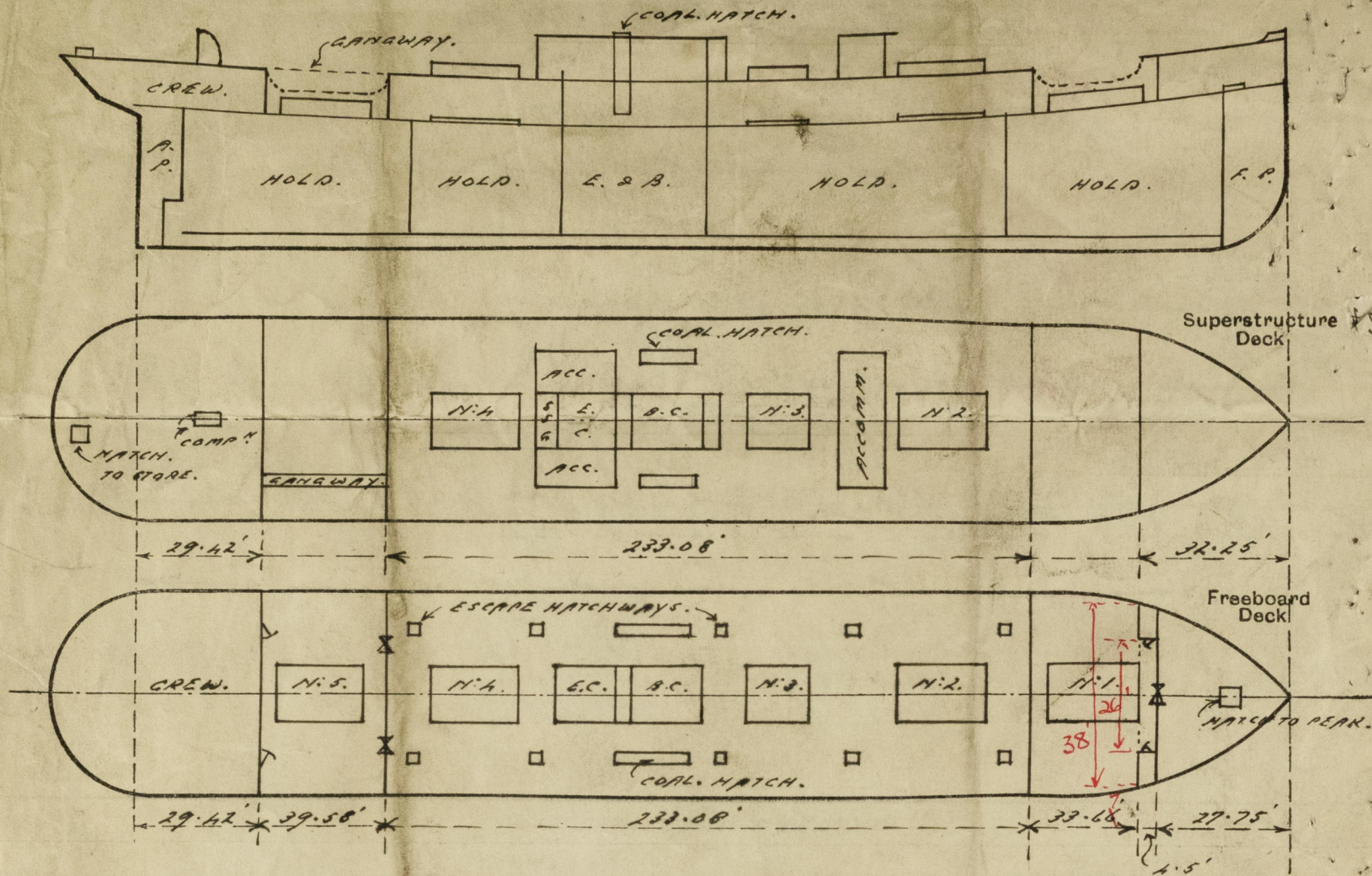
Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well	29' 7" ✓	3' 7"	1 @ 11' 8" x 7" 1 @ 6-0 x 7".	2.	10.24 sq. ft. ✓	10.45 sq. ft. ✓
Forward Well	23' 8" ✓	3' 7"	1 @ 11-8 x 7 1 @ 5-9 x 7	2.	10.10 sq. ft. ✓	9.9 sq. ft. ✓
<p>State position of each freeing port } After Well:— From bridge end Bow edge and slab 5' 0", 22'-6" } 13' above</p> <p>(F, and A. position and height above deck edge) } Forward Well:—" " " aft 5'-3", 22'-6" } 13' above</p> <p>State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :— Open slots above sheerstrake. ✓</p> <p>Additional area where sheer is less than standard.</p>						

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	18"x44" ✓	36" ✓	6"x2"x4 B.B.	29"	Sup. T. & B.	4'6" x 2'0"	24"	
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead	2nd pty. 30	ply. p. 22		29	None.	4'0" x 2'0"	18	
Bridge, Forward Bulkhead	18"x44" ✓	40	9"x2"x4 B.B.	30	Sup. T. & B.	None		
Forecastle Bulkhead	2nd pty. 22	ply. p. 22		16	None.	1 @ 4'0" x 2'0"	18	
Trunk, Aft						2 @ 4'6" x 2'0"	17	
Trunk, Forward								
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...								
Exposed Machinery Casings on Super-structure Deck	18"x36" ✓	30	3"x3"x30" ✓	28	Break Pts.	5'0" x 2'0"	20	7'-3"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	18"x32" ✓	30	3"x3"x30" ✓	28	Top	None		
Deckhouses on Flush Deck Ships ...								

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

Coop Bulkhead	...	...	2 hinged steel doors.	Closing appliances not satisfactory.
Raised Quarter Deck Bulkhead	...	...
Bridge, After Bulkhead	...	...	2 openings closed with 3" storm boards in riv ^{ed} channels full height.	
Bridge, Forward Bulkhead	...	...
Enclosed Bulkhead	...	...
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	...	...	1 opening closed with 1 1/2" storm boards in riv ^{ed} channels full height.	
Exposed Machinery Casings on Superstructure Decks	...	...	2 hinged steel doors manipulated from both sides.	✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	...	...	2 hinged steel doors.	Closing appliances not satisfactory.
Deckhouses on Flush Deck Ships	...	...

Superstructure bulkheads, trunks, deckhouses, casings, cargo and coaling hatchways, extent and thickness of sheathing on the freeboard deck, gangway, cargo and coaling ports, and any other openings, etc., which would affect the seaworthiness of the ship are to be shewn on the following sketches:—



$$F'CLE \quad LEN = 32.25$$

$$len \frac{26 \times 4.5}{38} = 3.08$$

$$\frac{3.08}{29.17} = \frac{E_{100} E}{3.08 \cdot 0.1}$$

Note any special features in the construction of the ship:—

Vessel surveyed afloat & confined to an examination of the means of closing the openings in the decks & sides of the vessel.

mod dr = 23.97
Keel = .14
24.11

$$\frac{.61}{1.00} \times 448 = \frac{274}{9937} = 10,211$$

Particulars of displacements from Litch Surveyors.
Extreme displ. @ 23'-6" extreme draught 9937 tons. Super inch imm. 37.41.
" " 24'-6" " 10385 " " " 37.46

Builder's name and yard number Burntisland S.B.C. Ltd.
Names of sister ships ✓
Owners (Managing) B. J. Sutherland & Co. Ltd., Newcastle-on-Tyne.
Fee £ 12 : 15 : 0 Received by me _____