

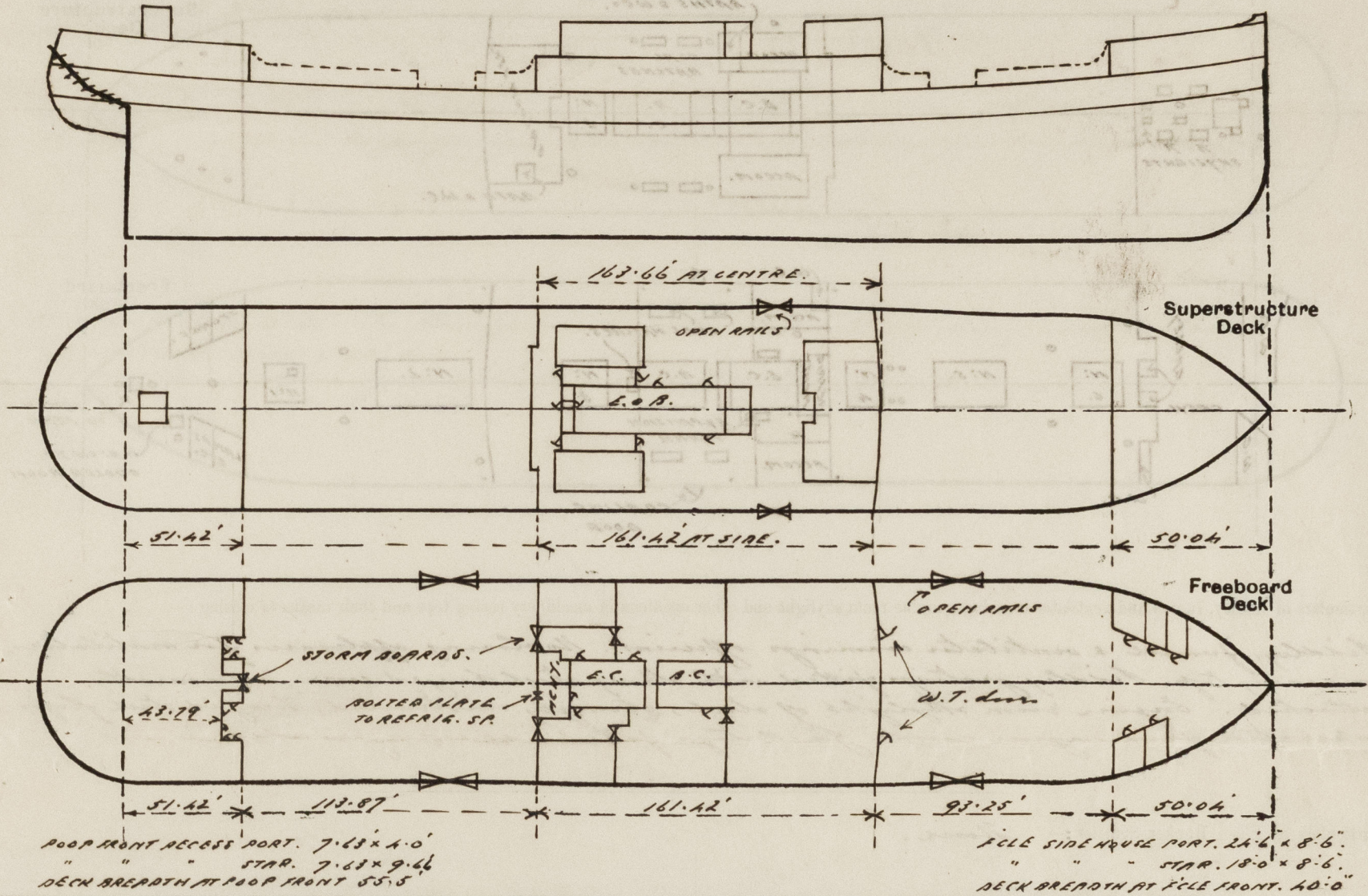
Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)

DEC 28 1937

Grk. Ref. No. 20482.

Ship's Name "MACHARDA"
Official Number 166228
Nationality and Port of Registry British, Liverpool.
Port of Survey Port Glasgow.
Surveyor's Signature H. L. Swinton.
Date of Survey While Building. 27-12-37.

Disposition and dimensions of superstructures, trunks, deckhouses and machinery casings to be inserted in the diagrams and tabular statement:—

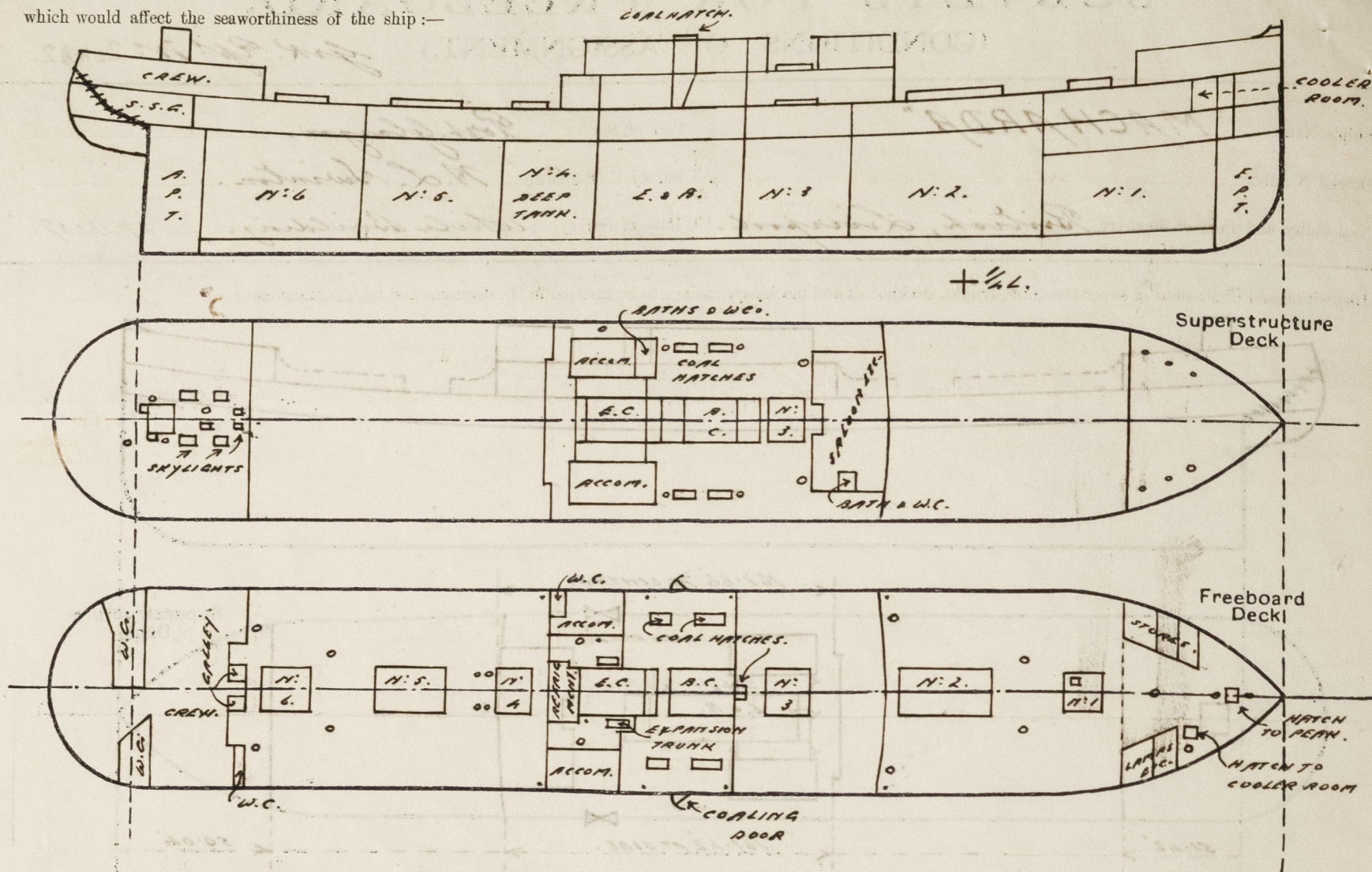


Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead ...	.38	.38	ANG. 6x3x.44/.48	24" & 26"	LUG. AT TOP. WELD. AT BOT.	4'10" x 24" 5'0" x 42"	18" 17"	8'0"
Raised Quarter Deck Bulkhead ...	✓	✓	✓	✓	✓	✓	✓	✓
Bridge, After Bulkhead ...	.30	.30	4x3x.34	31"	NONE	7'0" x 18"	NONE	9'0"
Bridge, Forward Bulkhead ...	.44	.44	10x3x.45/.49	30" & 31 1/2"	LUGGER.	5'0" x 26"	18"	9'0"
Forecastle Bulkhead SIDE HOUSES.	.30	.30	4x3x.32	30"	NONE.	4'9" x 14"	18"	8'0"
Trunk, Aft ...	✓	✓	✓	✓	✓	✓	✓	✓
Trunk, Forward ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓	✓	✓	✓	✓	✓	✓	✓
Exposed Machinery Casings on Superstructure Decks ...	36x.50	.30	3x3x.30	30"	AKTS. AT TOP	4'9" x 24"	18"	8'0"
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	30x.32	.26	3 1/2 x 2 1/2 x .30	30"	NONE.	4'9" x 24" 4'9" x 38"	18" 18"	9'0"
Deckhouses on Flush Deck Ships ...	✓	✓	✓	✓	✓	✓	✓	✓

Particulars of Closing Appliances (state if capable of being manipulated from both sides).	
Poop Bulkhead ...	6 solid steel doors (4 c 18", 2 c 16") & 3 steel doors. Manip. from both sides ✓
Raised Quarter Deck Bulkhead ...	1 opening closed with 2 1/2" storm boards in riveted chls. full height. ✓
Bridge, After Bulkhead ...	2 openings closed with 2 1/2" storm boards in riveted chls. full height. ✓
Bridge, Forward Bulkhead ...	1 opening closed with bolted plate for access to rigging. bolts 5" apart ✓ 2 hinged steel W.T. doors with clips 22" apart. Manip. from both sides. ✓
Forecastle Bulkhead SIDE HOUSES.	5 hinged steel doors (4 c 25", 1 c 44") Manip. from both sides. ✓
Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...	✓
Exposed Machinery Casings on Superstructure Decks ...	4 hinged steel doors, manipulated from both sides ✓
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ...	4 hinged steel doors (3 c 24", 1 c 38") Manip. from both sides. ✓
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 fiddley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing :—

Sidley, funnel & ventilator casings efficient. No closing appliances for ventilator on casing top. Sidley gratings fitted with steady steel hinged covers permanently attached. Engine room skylight of steel, strongly constructed, hinged steel flaps operated from engine room. Jackstays fitted. no covers provided.

Particulars of Flush Bunker Scuttles:— *None.*

Particulars of Companionways :— *None.*

SKYLIGHTS in On Prop. dd. to accommodation in prop. 4 @ 5'1" x 2'0", 2 @ 3'0" x 2'6", 1 @ 2'0" x 2'0", 1 @ 5'0" x 1'9", 1 @ 2'6" x 1'9". All of steel strongly constructed, hinged steel stops secured by quadrant. Jackstays fitted, no cover provided. ↓

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

1 on file d.t.	15" dia.	Coon	36 x 38 to boiler room.	1	"	"	10	"	30 x 32 to boiler room.
X 1 on upper d.t. under file	24" dia.	Coon	75 x 42 to hold.	4	Bridge d.t.	15" dia.	Coon	30 x 36 to boiler room.	
2 on upper d.t.	24	"	114 x 42 " stayed	1	"	10	"	30 x 32 to boiler room.	
2	24	"	162 x 42 " "	1	Prop d.t.	24	"	30 x 34 to tunnel	
X 2 " under bridge	18	"	84 x 42 to drag boat.	1	"	10	"	30 x 32 to S. & G.	
X 2	18	"	120 x 42 " " stayed	1	"	10	"	33 x 32 " "	
2	21	"	120 x 42 to boiler room	"	1	10	"	30 x 32 to off prop.	
2	24	"	126 x 42 to hold.	"					
2	24	"	144 x 42 " "						
X 2 on Bridge d.t.	24	"	168 x 42 " "						

above jotted with flange & canvas covers.

2 S.H. vents on Bridge d.t. 6" dia. 33" high

to air space on boiler room tank head

Above vents fitted with mushroom top working in strong
transverse crossbars. Vents marked X fitted with hinged
W.T. door to fore, doors secured by clips.

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

1 on side dkt. 4 dia. 30 high to top of peak tank.	1 on Bridge dkt. 4 dia. 24 high to W 6 S.B. tank.
1 on top dkt. under side. 5 dia. 24 high to W 1 S.B. tank.	2 - 4 - 24 - O.S. tank.
2 - 2 dia. 36 high to W 1 bridge well.	2 - top dkt. 2 - 36 - to upper room.
2 - 4 1/2 36 - W 2 S.B. tank.	2 - 7 - 40 - to high tank.
1 - 3 - 36 - dark steel.	1 - 4 1/2 - 36 - to W 7 S.B. tank.
2 on Bridge dkt. 4 1/2 - 26 - W 2 S.B. tank.	
4 - 4 1/2 - 24 - W 3 -	
4 - 5 - 24 - W 4 -	
4 - 4 - 24 - W 5 -	

Openings of air pipes to oil fuel tanks fitted with wire gauze.
Remainder fitted with wood plugs.

Particulars of Gangy Cargo and Coaling Ports:—

1. Hinge weathertight coaling door (port & starb) in Bridge side 4'-6" x 4'-10" specially constructed & secured by stowback. ✓

Particulars of Scuppers and Sanitary Discharge Pipes :—

2-1 "in" paper snuffers p.o.v. from wells led this ship's side below breast' d.d. no storm valve.
Remainder of snuffers from wells geared thru stinger angle above grubboard deck.
3-1 dia. snuffer p.o.v. from bridge space led this ship's side below breast' d.d. with storm valve.
1-1 dia. snuffer v.o.v. from evaporator room " " " " " " " " " " " " " " " " " "
1-1 dia. snuffer p.o.v. from galley in poop " " " " " " " " " " " " " " " " " "
1-0 dia. snuffer v.o.v. from cooler room in W.C. lower decks below breast' d.d. led this ship's side
below 2" d.d. with S.O.M.R. valve at ship's side geared to above grubboard deck & fitted
with screw plug on inner end.
Discharges from bath, W.C. etc. from accommodation above bridge d.d. led this ship's
side above grubboard deck with storm valves.
Discharge from W.C. in bridge space led this ship's side above grubboard deck with
storm valve.
Discharges from W.C.s in poops led this ship's side below grubboard deck with
storm valves.

Particulars of Side Scuttles:—

In Forecastle 9" dia. In Bidge & Prop 10" dia. In steering compartment (below freeboard deck) 10" dia.
all mottles of substantial construction & fitted with hinged deadlights.

Vertical distance of Sill of lowest Side Scuttle above top of keel 37'-3"

Particulars of Guard Rails :—

On Side & Prop. decks 5'-3" high 3 rds. Stanchions spaced about 4'-6" apart.
On Bridge deck about hatchways 5'-6" high 3 rds. Stanchions spaced about 4'-0" apart.
Somewhere on Bridge deck steel bulwark 5'-6" high strongly constructed & supported.
On Foreboard deck about W. 2 & 5 hatchways 4'-3" high 2 rds. & bulwark rail.
Stanchions spaced about 4'-6" apart, sheerblocks 14" above deck. Nowhere on
foreboard deck (in wells) steel bulwark 4'-3" high strongly constructed & supported.

Particulars of Gangways, Lifelines, etc. :—

Lifelines provided in forward & after with port & starb for the protection of the crew in getting to & from their quarters.

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 ... <i>43.87</i> ...	<i>96.12'</i>	<i>4.25'</i>	<i>open rails 17.75'</i>	<i>1.</i>	<i>54.67 sq.</i>	<i>22.77 sq.</i>
Forward Well <i>93.25</i> ...	<i>78.0'</i>	<i>4.25'</i>	<i>open rails 20.25'</i>	<i>1.</i>	<i>62.37 sq.</i>	<i>18.65 sq.</i>

State position of each freeing port { After Well:— 10.0' from Bridge end bulRd. }
(F. and A. position and height above deck edge) { Forward Well:— 18.0' from Bridge front bulRd. } 14" above deck edge.

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.									
ON FREEBOARD DECK									
Description of Hatchway	N: 1.	N: 2.	N: 3.	N: 4.	N: 5.	N: 6.	N: 7.	N: 8.	ON BRIDGE
Dimensions of Hatchway	15' 9" x 18' 0"	38' 12" x 21' 0"	20' 4" x 21' 0"	15' 0 1/2" x 21' 0"	30' 6" x 21' 0"	20' 4" x 21' 0"	15' 3" x 21' 0"		Hatch on Comb. dk. to fore part 4' 0" x 3' 0" Com. 2 1/2" x 2" over 3".
COAMINGS	Height above Deck ... 36"	36"	36"	32"	32"	32"	30"		W.T. hatch on Comb. dk. to Cooler room 3' 3" x 3' 3".
	Thickness ... 1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"		Com. 12 x 40. Cur. 1/4"
	Stiffeners ... 7 x 3 x 40	11 x 3 1/2 x 38	9 x 3 1/2 x 38	11 x 3 1/2 x 38	11 x 3 1/2 x 38	11 x 3 1/2 x 38	11 x 3 1/2 x 38		secured by toggle 11" off 2 rubber gaskets
	Brackets, Stays ... 3	5	5	2	7	4	2 STAYS.		
HATCH BEAMS	Number ... 6	5	5	2	5	3	2		W.T. hatch on top of 1st deck
	Spacing ... 5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"	5' 5"		hatch, to lower deck
	Scantling and Sketch ... 19 x 37	20 1/2 x 38	19 x 37	19 x 37	19 x 37	19 x 37	15 x 34		19 x 1 1/2" Com. 8 x 1/4"
	Bearing Surface ... 5 x 3 x 46	4 x 3 x 46	5 x 3 x 46	5 x 3 x 46	5 x 3 x 46	5 x 3 x 46	4 x 3 x 46		Cur. 5/8" keyed secured by toggle 1 each side insertion jointing.
FORE AND AFTERS	Number ...								Cooling hatch on Comb. dk under bridge 2' 6" x 4' 0"
	Spacing ...								Com. 9 x 3 1/2 x 40 B.A. Cur. 3"
	Unsupported Lengths ...								Rest 3' 1/2" Cleats 20" Tarp 1"
	Scantling and Sketch ...								Cooling hatch on Comb. dk under Bridge
	Bearing Surface ...								2 @ 17' 9 1/2" x 4' 0", 2 @ 10' 2" x 4' 0"
									Com. 9 x 3 1/2 x 40 B.A. Cur. 3"
									Rest 3' 1/2" Cleats 24" Tarp 1"
									Cooling hatch on Bridge
									4 @ 12' 9" x 4' 0" Com. 30 x 40
									Cur. 3" Rest 3' 1/2" Cleats 24"
									Tarp 3"
									Cooling hatch on lower deck
									8' 0" x 19' 0" Com. 9 x 3 1/2 x 40 B.A.
									1 Wob. 7 1/2" x 38" wry. 4 x 3 x 38 steel
									Cur. 3" Rest 3' 1/2" Cleats 24" Tarp 3"
HATCH COVERS	Material ... Steel	W.P.	W.P.	W.P.	W.P.	W.P.	W.P.		
	Thickness ... 50	3	3	3	3	3	3		
	How fitted ... Winged	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.	F. & A.		
	Bearing Surface ... 3	3	3	3	3	3	3		
Spacing of Cleats	Toggle 24"	24	24	24	24	24	24		
Number of Tarpaulins	3	3	1	3	3	3	3		
<p>*Are wood fore and afters steel shod at all bearing surfaces? <input checked="" type="checkbox"/></p> <p>Are battens and wedges efficient and in good condition? <input checked="" type="checkbox"/></p> <p>Are tarpaulins in good condition and in accordance with rule requirements? <input checked="" type="checkbox"/></p> <p>Are lashings provided in accordance with rule requirements? <input checked="" type="checkbox"/></p>									

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.