

# LLOYD'S REGISTER OF SHIPPING

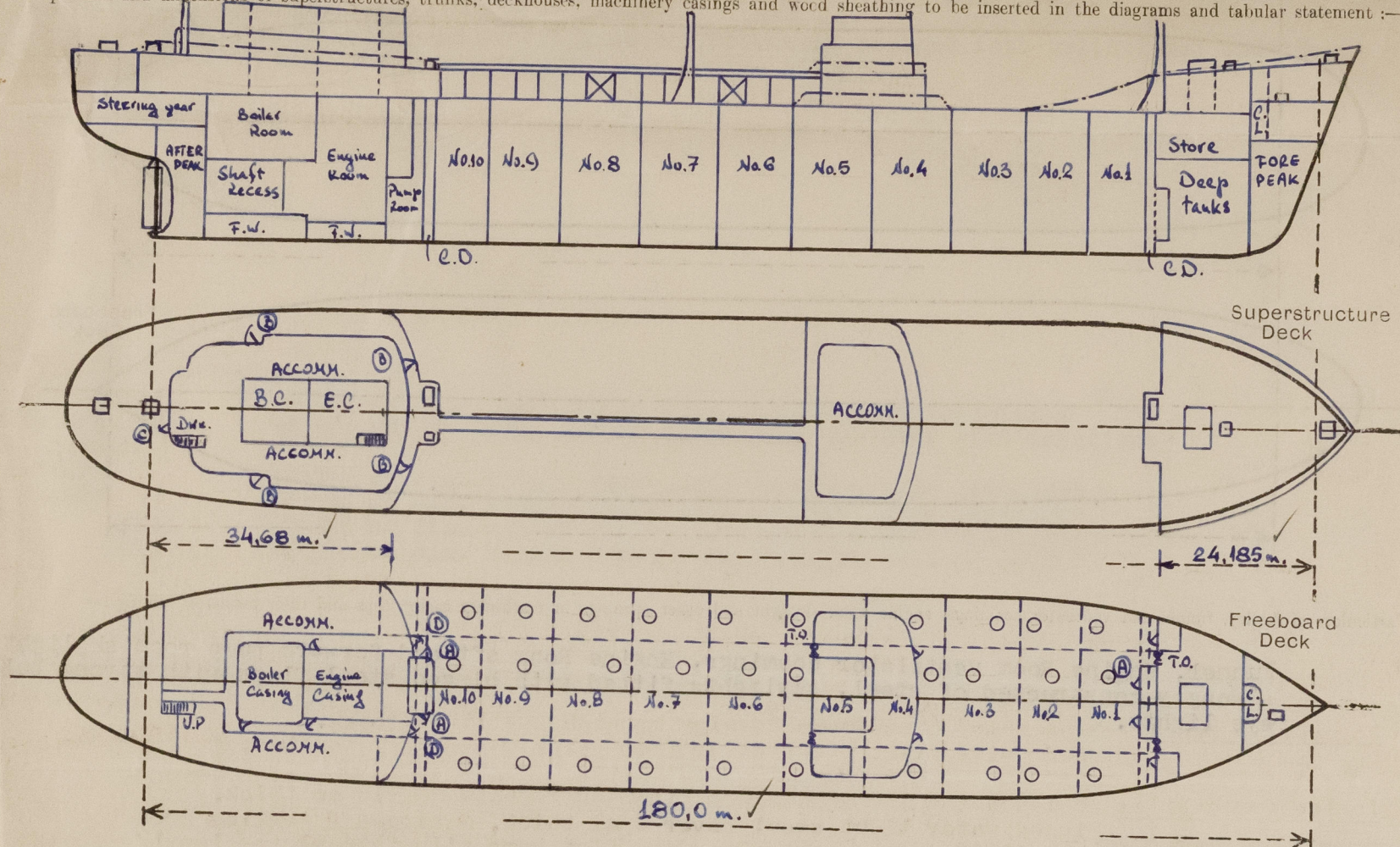
## SURVEYS FOR FREEBOARD

(CONDITIONS OF ASSIGNMENT)

 Index No. ....  
 (For London Office only.)

Ship's Name....."FRATERNITY"..... Port of Survey.....Rijeka.....  
 Official Number..... Surveyor's Signature.....*Stenc*.....  
 Nationality and Port of Registry.....Liberian-Monrovia..... Date of Survey.....Whilst building.....

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



Particulars of Superstructures, Trunks, Casings, Deckhouses.

	Coaming	Plating mm	Stiffeners mm	Spacing mm	End Attachments of Stiffeners	Size of Openings mm	Height of Sills mm	Height, Beam to Beam mm
Poop Bulkhead ... ..	-	11.5 ✓	180 x 8 F.B. ✓	700/800	BKTS. TOP & BOTTOM ✓	2 @ 1700 x 700 ✓	610 ✓	2.700 ✓
Raised Quarter Deck Bulkhead ...	-	-	-	-	-	-	-	-
Amidship Deck house	-	-	-	-	-	-	-	-
Bridge, After Bulkhead ... ..	-	9.5 ✓	180 x 8 F.B. ✓	700/800	WELDED TOP BOTTOM ✓	2 @ 1220 x 920 ✓	610 ✓	2.970 ✓
Amidship Deck house	-	-	-	-	-	-	-	-
Bridge, Forward Bulkhead ... ..	-	12.0 ✓	280 x 12 F.B. ✓	700/800	BKTS. TOP BOTTOM ✓	2 @ 1400 x 700 ✓	610 ✓	2.970 ✓
Forecastle Bulkhead ... ..	-	8.0 and 7.5 ✓	90 x 75 x 7 O.A. TOE 75 x 65 x 6 O.A. WELDED ✓	760/800	SNIPED TOP BOTTOM ✓	2 @ 1220 x 920 4 @ 1400 x 700 ✓	610 ✓	2.950 ✓
Trunk, Aft ... ..	-	-	-	-	-	-	-	-
Trunk, Forward ... ..	-	-	-	-	-	-	-	-
Exposed Machinery Casings on Free- board or Raised Quarter Decks ...	-	-	-	-	-	-	-	-
Exposed Machinery Casings on Super- structure Decks ... ..	-	-	-	-	-	-	-	-
Machinery Casings within Superstruc- tures not fitted with Class I Closing Appliances ... ..	-	6.0 ✓	75 x 7 F.B. TOE WELDED ✓	700/750	WELDED TOP BOTTOM SNIPED ✓	3 @ 1700 x 600 ✓	460 ✓	2.850 ✓
Deckhouses and Pump Room Entrances	Fwd. Aft. -	7.5 ✓ 11.5 ✓	75 x 65 x 7 O.A. TOE 180 x 8 F.B. WELDED ✓	700 700/800	SNIPED T. B. BKTS. T. B. ✓	1 @ 1400 x 700 2 @ 1400 x 700 ✓	610 ✓ 610 ✓	2.950 ✓ 2.600 ✓

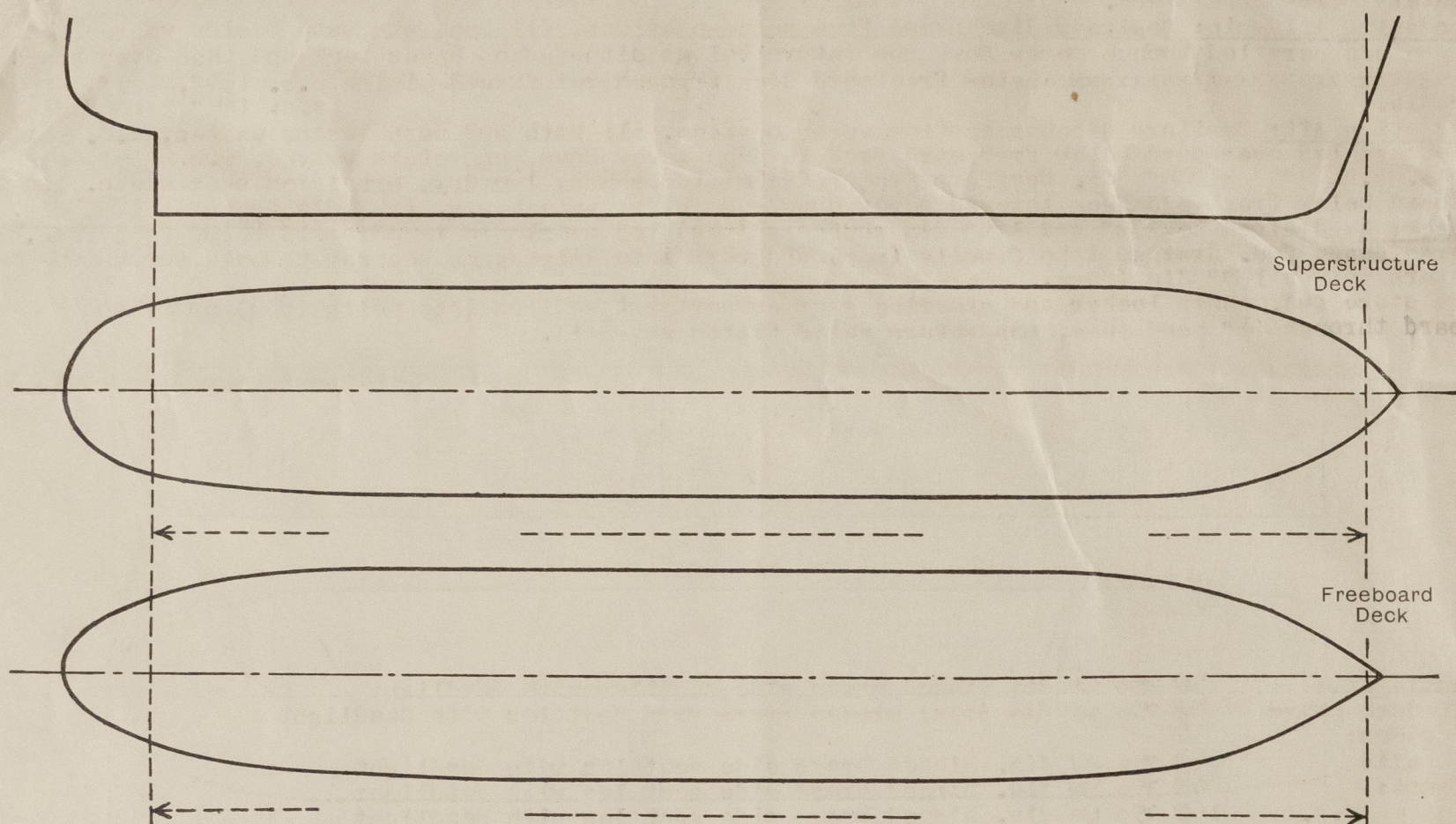
Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead ... ..	Hinged W.T. steel doors operated both sides ✓	(Class I)
Raised Quarter Deck Bulkhead ...	-	-
Midship Deck house	-	-
Bridge, After Bulkhead ... ..	Sliding steel plate secured by through bolts 310 mm apart ✓	(Class II)
Midship Deck house	-	-
Bridge, Forward Bulkhead ... ..	Hinged W.T. steel doors operated both sides ✓	(Class I)
Forecastle Bulkhead ... ..	{ Portable steel plates secured by through bolts 310 mm apart ✓	(Class II)
Exposed Machinery Casings on Free- board or Raised Quarter Decks ...	{ Hinged steel doors operated both sides ✓	(Class II)
Exposed Machinery Casings on Super- structure Decks ... ..	-	-
Machinery Casings within Superstruc- tures not fitted with Class I Closing Appliances ... ..	Hinged steel doors operated both sides ✓	(Class II)
Deckhouses and Pump Room Entrances	Hinged W.T. steel doors operated both sides ✓	(Class I)



## 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, side scuttles, scuppers, 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:—

Funnel, engine Room ventilator coamings, Engine Room aft and forward pump room skylight strongly constructed of steel, skylights fitted with hinged steel flaps with strong bulls eye lights.

Particulars of Flush Bunker Scuttles:—

None

Particulars of Companionways:—  
(including those incorporated in deckhouses and masthouses)

"A" Pump room entrances enclosed in strong steel deck house on Upper Deck and in Forecastle. Hinged W.T. steel doors operated from both sides 1400x700mm sill 610mm

"B" Companionways enclosed in strong steel deck house on Poop Deck. Hinged W.T. steel doors operated from both sides 1700x700mm sill 460mm

"C" Companionway enclosed in strong steel deck house on Poop Deck. Hinged two half steel door operated from both sides 1700x700mm sill 460mm

"D" Companionway enclosed in strong steel poop superstructure. Hinged W.T. steel door operated from both sides 1700x700mm sill 610mm

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

### Forecastle Deck

2@ 400 mm dia. C.V. Coaming 915x10mm  
2@ 500 mm dia. C.V. Coaming 915x10mm  
2@ 400 mm dia. C.V. Coaming 915x10mm  
1@ 350 mm dia. M.V. Coaming 915x9 mm  
1@ 350 mm dia. M.V. with fan coaming 915x9mm  
7@ Swan neck vents 170x170mm " 915x8mm

### Poop Deck

Front: 2@ 700 mm dia. C.V. Coaming 760x11 mm  
1@ Swan neck vent. 200x80mm coaming 760x8 mm  
Aft: 2@ 400 mm dia. C.V. Coaming 760x9mm  
1@ 500 mm dia. M.V. Coaming 760x10 mm  
1@ 500 mm dia. M.V. with fan coaming 760x10 mm  
2@ 400 mm dia. derrick post vents  
s.s. 6@ Swan neck vents 200x80 mm coaming 760x8 mm  
p.s. 3@ Swan neck vents 200x80 mm coaming 760x8 mm

NOTE: Ventilators other than derrick posts provided with wood plugs or watertight steel covers 10 mm thick and canvas covers.  
Efficiently stayed.

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

### Forecastle Deck:

1@ 5" dia. to Fore Peak  
1@ 8" dia. (p&s) to Deep tank

### Upper Deck:

1@ 4" dia. (p&s) to Cofferdam space fwd.  
1@ 4" dia. (p&s) to Cofferdam space aft.  
NOTE: Coaming of air pipes on Forecastle and Poop Deck are 760mm, those on Upper Deck are 915 mm.  
All air pipes provided with steel hoods which remain closed by gravity only.  
Air pipes to oil tanks fitted with wire gauze.

### Poop Deck:

Front: 2@ 5" dia. to Settling tanks  
2@ 5" dia. to side oil bunker  
Sides: 1@ 4" dia. (p&s) to D.B. Fresh water tanks  
1@ 4" dia. (p&s) to D.B. Fresh water tanks  
1@ 3" dia. (p) to Lub. oil tank  
1@ 4" dia. (p) to D.B. Fresh water aft  
1@ 2" dia. (p&s) to Distil water tanks  
1@ 8" dia. (p) to After peak tank  
1@ 2" dia. (p&s) to Drinking water tanks  
1@ 2" dia. (p) to Rudder trunk  
1@ 2" dia. L.C. to After upper peak tank

## Scuppers and Sanitary Discharge Pipes:—

Particulars of Scuppers and Sanitary Discharge Pipes:—

Forecastle Deck: drained thro' 1-3" dia. scupper (p&s) and 12" dia scupper (p&s) led inside Forecastle and pump room entrance onto Upper Deck.  
Upper Deck: Spaces inside forecastle drained by 4@ 1 1/2" dia. holes in forecastle front with brass screwed plugs on chains. Spaces inside amidship deck house drained by 4@ 1 1/2" dia. holes in amidship deck house aft with brass screwed plugs on chains. Open Deck is drained by 6@ 3 1/2" dia. scuppers (p&s) led over board immediately below Upper Deck.  
Accommodation Amidship: Sanitary discharges from accommodations, all bath and wash basins wastes, W.C. soils and scuppers led through Screw Down non return valves situated on Upper Deck and than over board below freeboard deck through reinforced piping p.s. 1@ 3", 1@ 5" & 1@ 6" s.s. 1@ 5" & 1@ 6" dia.  
Accommodation Aft: Sanitary discharges from accommodation, all bath and wash basins wastes, W.C. soils and scuppers led overboard below freeboard Deck through screw down non return valves, p.s. 3@ 5" & 2@ 4" dia. s.s. 3@ 5" & 2@ 4" dia. Scuppers from refrigerated rooms, laundry, provision stores etc. led over board below freeboard deck through screw down non return valves p.s. 1@ 4" dia and s.s. 1@ 4" dia.  
Poop Deck: is drained by 3@ 3" and 1@ 4" dia scuppers (p&s) led overboard immediately below Poop Deck.  
Dry cargo space fwd. drained into 2 wells (p&s) and than into bilge pump section through screw down non return valves 1@ 2" dia (p&s).  
Bosun's store fwd. chain locker and steering gear compartment drained into wells (p&s) and than overboard through 1 1/2" hand pump, non return valve fitted at shell.

Particulars of Side Scuttles and Deadlights:—

Forecastle aft: 4@ 250 mm dia hinged brass side scuttles with deadlight  
Midship deck house sides: 4@ 250 mm dia (p&s) hinged brass side scuttles with deadlight  
aft: 4@ 250 mm dia. hinged brass side scuttles with deadlight  
Poop front: 6@ 350 mm dia. hinged brass side scuttles with deadlight  
p.s. 16@ 350 mm dia. hinged brass side scuttles with deadlight  
s.s. 13@ 350 mm dia. hinged brass side scuttles with deadlight

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

Distance from amidships to centre of lowest Side Scuttle

Particulars of Guard Rails and Bulwarks:—

Forecastle Deck: Bulwark 1500 mm high forward tapering to 1150 mm high aft. Bulwark 7,5 thick with 6x3x3125" B.A. rail bar. Stiffened with 10 mm flanged bracket (p&s) spaced 1350 mm apart and 100x10 mm F.B. between them. After part and end fitted with 3 rails 1150 mm high and stanchions spaced 1200 mm apart.

Upper Deck: Fore part and Amidship Bulwark 1150 mm high 7,5 mm thick with 6x3x3115" B.A. rail bar stiffened with 10 mm flanged brackets (p&s) spaced 1500 mm apart, else where fitted 3 rails 1150 mm high and stanchions spaced 1500 mm apart.

Poop Deck: Bulwark front and sides 1150 mm high 7 mm thick with 6x3x375" B.A. rail bar stiffened with 10 mm flanged brackets spaced 1600 mm apart. After part fitted with 3 rails 1150 mm high and stanchion spaced 1200 mm apart.

Gangway fitted between amidship deckhouse and poop Deck.

Vertical supports spaced 3000 mm apart.

Fore and aft diagonal bracing 75x75x10 mm Q.A. on Fr. 60-61 & 66-67 for section of Gangway see back page.

2 expansion joints fitted forward and aft.  
3 rail 1050 mm high stanchions spaced 1400 mm apart.

## 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 ...			Open rails for more than 50% of length			
Forward Well ...			Ditto			
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.									
		UPPER DECK			FO'C'LE DECK		POOP DECK		
Description of Hatchway	...	Cargo hold hatches 30 a	Hatches to C.D. 4 a	Hatches to Deep Tanks 6 a	Hatch to Rope store	Fwd. hold Hatch	Hatch to Prov. Store	Hatch to Rope store	
Dimensions of Hatchway	...	1240 mm Dia	600 mm Dia	600 mm Dia	1210 x 1220	3430 x 5000	1120 x 1120	820 x 820	
COAMINGS	Height above Deck	215	300	300	310	650	460	460	
	Thickness	12	12	12	11	12	11	11	
	Stiffeners					120 x 8 F.F.			
	Brackets, Stays					2			
HATCH BEAMS	Number								
	Spacing								
	Scantling and Sketch								
	Bearing Surface								
FORE AND AFTERS	Number								
	Spacing								
	Unsupported Lengths								
	Scantling* and Sketch								
HATCH COVERS	Material			Steel					
	Thickness	15	12.5	12.5	8	*10	8	8	
	How fitted		Hinged			Hinged			
	Bearing Surface	Water Tight	Water Tight			Water Tight			
Spacing of Cleats	...	with screw	with screw	with 10	25	10	7		
Number of Tarpaulins	...	down	arrangements		toggles				
<p>*Are wood fore and afters steel shod at all bearing surfaces? -</p> <p>Are battens and wedges efficient and in good condition? -</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? -</p> <p>Are lashings provided in accordance with rule requirements? -</p> <p>Are wood covers fitted with galvanised end bands? -</p>									

Particulars of any special features:— (Timber Deck-cargo Fittings, Skylights, Sewage Systems, Ash Ejectors, Rubbish Shoots, etc.)

**Forecastle Deck:** Access hatch 670x670 mm coaming mm high and 11 mm thick.  
Hinged water tight steel cover 8 mm thick 2 hinges 7 toggles, greasy packing.

**Inside forecastle:** Access hatch 1020x620 mm coaming 300 mm high and 10 mm thick.  
Hinged water tight steel cover 8 mm thick, 2 hinges 2 toggles greasing packing.

\* **Fore hold hatch:** 10, th. stiffened by seven 200x9 mm flat bars with face plates 100x12 mm and two intercostals 200 x 9 mm flat bars with 100x12 mm face plates.

**Skylight of the pump room fwd. on the Forecastle Deck.** Hinged W.T. steel cover 790x1390 mm th. 6mm. two bulls eyes 250 mm dia. two hinges and eight toggles. Rubber packing, coaming 610x11 mm.

**Skylights of the pump room aft on the Poop Deck.** P.S. Two hinged W.T. steel covers 890x890 mm th. 6mm. four bullseyes 250 mm dia. two hinges four toggles on each cover. Rubber packing, coaming 310x7 mm. S.S. Two hinged W.T. steel covers 890x450 mm th. 6 mm. two bullseyes 250mm. dia. Two hinges four toggles on each cover. Rubber packing, coaming 310x7mm.

