



# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

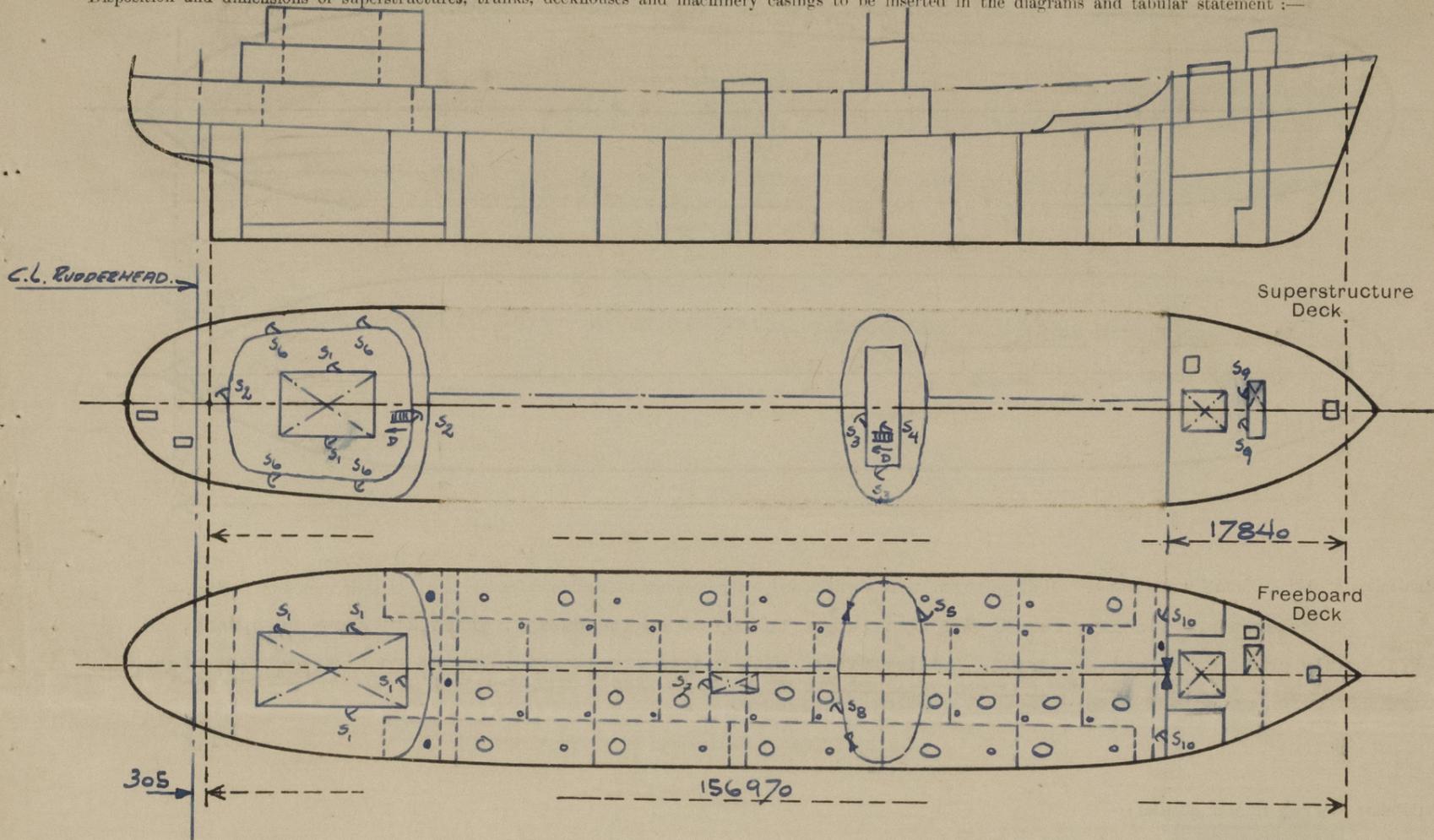
### (CONDITIONS OF ASSIGNMENT.)

Ship's Name..... **S H E T L A N D** ..... Port of Survey..... **Gothenburg** .....

Official Number..... **---** ..... Surveyor's Signature..... *Stauskruis* .....

Nationality and Port of Registry..... **Danish, Copenhagen** ..... Date of Survey..... **During construction** .....

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 MM.	Stiffeners MM.	Spacing MM.	End Attachments of Stiffeners	Size of Openings MM.	Height of Sills MM.	Height of Casings MM.
Poop Bulkhead ... ..		13.0	275x10x60x20 and bulkheads	750 - 850	Brackets top Welded bottom	None	---	---
Pump Room amidships ... ..		8.0	75x65x8	830	Welded top and bottom	670 x 1785	650	2580
Bridge, After Bulkhead ... ..		13.0	75x50x8	770	Brackets top Welded bottom	940 x 1590 800 x 1580	425 370	---
Bridge, Forward Bulkhead... ..		13.0	250x90x12	750 - 770	Brackets top Welded bottom	610 x 590	390	---
Forecastle Bulkhead... ..		8.0	75x50x8.5	750 - 820	Brackets top Welded bottom	1235 x 1540 610 x 1650	450 300	---
Trunk, Aft ... ..	Sides	6.5	75x50x6.5	850	Free top and bottom	640 x 1600	375	---
Trunk, Forward ... ..	Fwd.Bhd.	6.5	75x50x6.5	750	To longitud's top Free bottom	640 x 1600	335	---
<del>Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...</del>	Aft.Bhd.	6.5	75x50x6.5	750	To longitudinals top and bottom	None	---	---
<del>Exposed Machinery Casings on Superstructure Deck within deckhouse</del>	Sides	7.0	75x50x6.5	850	Continuous top None bottom	615 x 1535	385	---
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	Fwd.Bhd.	7.0	75x50x6.5	750	Continuous top None bottom	615 x 1535	385	---
Forw. pumproom trunk on freeboard deck ... ..	Aft.Bhd.	7.0	75x50x6.5	750	Continuous top To long's btm.	None	---	---
Trunk to dry cargo hold on freeboard deck ... ..		6.5	75x50x6	600 - 730	Continuous top and bottom	None	---	---
		7.5	60x30	670 - 890	Welded top & btm.	None	---	---

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

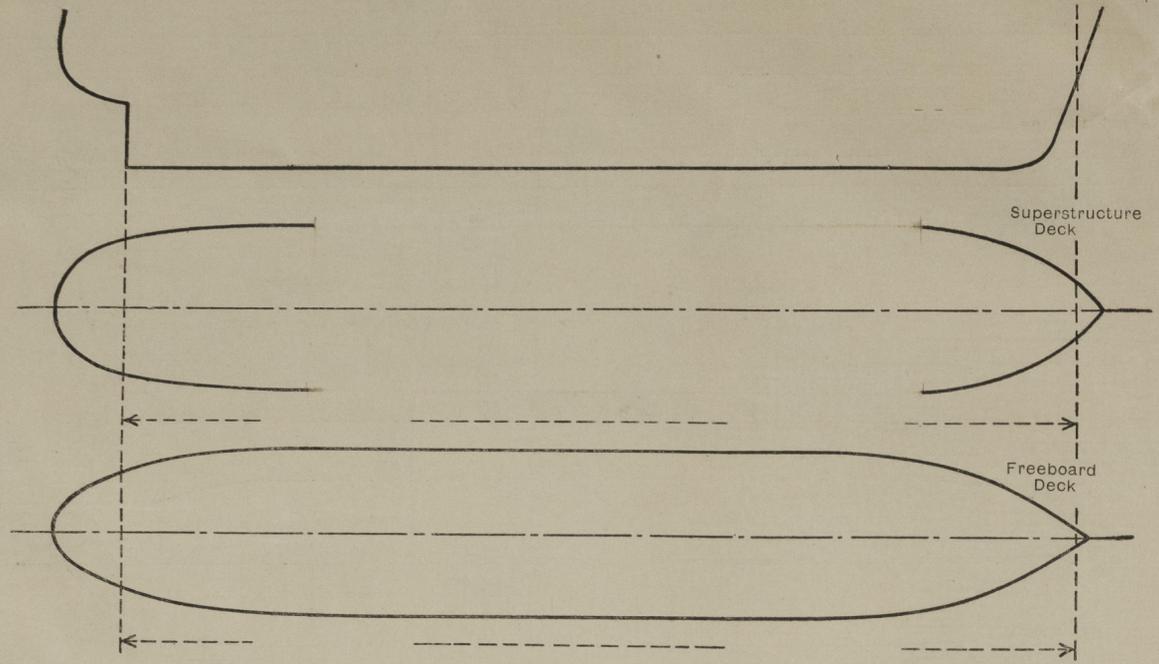
Poop Bulkhead ... ..	No openings.
Pump room amidships ... ..	Hinged steel door, closed watertight and operable from both sides.
Bridge, After Bulkhead ... ..	Steel hinged watertight door to Gyro Compartment.
Bridge, Forward Bulkhead ... ..	Portable steel plates with strongbacks, secured by bolts not passing through bulkhead and
Forecastle Bulkhead... ..	Hinged steel doors, closed watertight and operable from both sides.
<del>Exposed Machinery Casings on Freeboard or Raised Quarter Decks ...</del>	Hinged steel watertight doors, operable from both sides.
<del>Exposed Machinery Casings on Superstructure Decks ... ..</del>	Hinged steel plates with strongbacks, secured by bolts not passing through bulkhead and
Machinery Casings within Superstructures not fitted with Class I Closing Appliances ... ..	Hinged steel doors, operable from both sides.
Deckhouses on Flush Deck Ships ... ..	---



*Shetland.*

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 filley, funnel and ventilator coamings, engine room skylight and other openings in machinery casing tops and their means of closing :-

Motorship.- Fiddley, funnel and ventilators on top of engine casing, about 24' above poop deck, efficiently constructed and supported, Fiddley fitted with hinged steel cover. Engine room skylight of steel, strongly constructed and with efficient closing appliances.

Particulars of Flush Bunker Scuttles :-

None fitted.

Particulars of Companionways :-

Companionway to <sup>pump</sup> room forward on forecastle deck of steel, substantially constructed and with watertight door, operable from both sides. Sill 650 mm.

Gyro room entrance through midship deckhouse on top of bridge as per sketch on page 1.

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

All ventilators on freeboard- and superstructure decks, 915 mm. in height or above, efficiently constructed and supported and provided with means of closing.

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

All air pipes on freeboard-, poop-, bridge- and forecastle decks are of steel of goose neck type, 915 mm. high or above on freeboard deck, 800 mm. high or above on poop deck, 700 mm. high or above on forecastle deck, efficiently constructed and supported and provided with means of closing.

Particulars of Gangway Cargo and Coaling Ports :-

None fitted.

Particulars of Scuppers and Sanitary Discharge Pipes :-

Scuppers and sanitary discharges from accommodation on bridge deck led through steel trunk fitted with cement in wing cargo tanks No.2, port and starboard, and fitted with non-return valves on deck and through shell about 5800 mm. below upper deck.

Scuppers from lower 'tween deck and upper 'tween deck aft in poop to engine room bilge with screw plug on 'tween deck. Scuppers from refrigerated spaces on poop to engine room bilge fitted with screw plugs on upper deck and water trap.

Scuppers and sanitary discharges from accommodation in poop and on poop deck through shell in aft cofferdam and in engine room 5500/6000 mm. below upper deck, and fitted with non-return valves and sluice valves at shell.

Sanitary discharge from urinal on upper deck through ship's side in aft pump room about 5800 mm. below upper deck with non-return valve and sluice valve at shell.

Particulars of Side Scuttles :-

Side scuttles in superstructures are of substantial construction and fitted with hinged dead-lights.

Vertical distance of Sill of lowest Side Scuttle above top of keel. About 13 Metres.

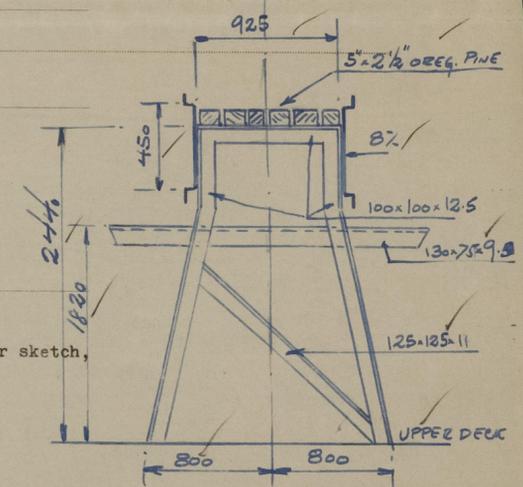
Particulars of Guard Rails :-

Open rails, 1075 mm. in height with 3 rods, are fitted on freeboard deck except forward part and on forecastle deck, efficiently constructed and supported. Stanchions spaced about 1200 mm. Steel bulwark fitted on forward part of freeboard deck and poop deck, of substantial construction as per sketch.

Guard rails on gangway, substantially constructed, have also 3 rods and stanchions spaced about 1550 mm.

Particulars of Gangways, Lifelines, etc. :-

Gangway fitted between poop-, bridge- and forecastle decks as per sketch, substantially constructed and supported about 3320 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 ... ..	---	---	---	---	---	---
Forward <del>XXX</del> part of... freeboard deck	15.7 M.	1075 mm.	---	---	---	---

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. ---

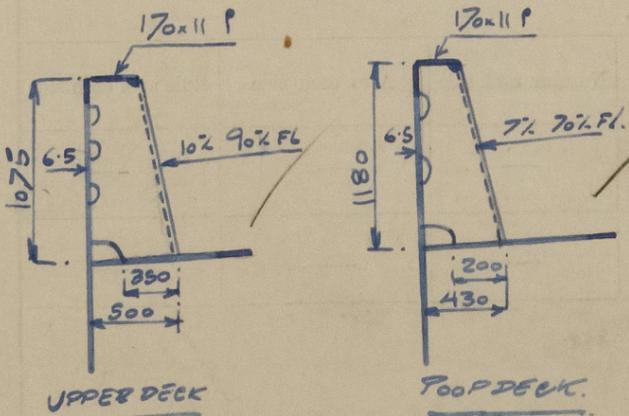
PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.												
	Freeboard deck					Forecastle deck			Poop deck			
Description of Hatchway	To Fore Peak	To Cargo Tanks	Manholes to cofferdams & side bunks	To Dry Cargo Hold	Ventilator hatches	To Fore Peak	To Dry Cargo Hold	To Hold below Fcld. Dk.	To Stores	To Provision		
Dimensions of Hatchway	1100x1100	1700x600	450x350	630x650	Ø 317	1200x1200	3375x3400	1000x1000	1200x750	1500x1000		
COAMINGS	Height above Deck	225	800	100	230	100	610	840	230	150	150	
	Thickness	8.0	10.0	10.0	8.0	10.0	7.5	11.0	9.0	9.0	9.0	
	Stiffeners	---	---	---	---	---	---	17x90x10	---	---	---	
	Brackets, Stays	---	---	---	---	---	---	1	---	---	---	
HATCH BEAMS	Number											
	Spacing											
FORE AND AFTERS	Number											
	Spacing											
HATCH COVERS	Material	Steel	Steel	Steel	Steel	Bronze	Steel	Steel	Steel	Steel	Steel	
	Thickness	6.5 stiff	11 stiff	12.5	7.5	12.5	7.5 stiff	8 stiff	7.5 stiff	7.5 stiff	7.5 stiff	
HATCH COVERS	How fitted	2 hinges	2 hinges	2 hinges	2 hinges	12 bolts	2 hinges	2 hinges	2 hinges	2 hinges	2 hinges	
	Bearing Surface	8 toggles	12 toggles	75.0	6 toggles	75.0	8 toggles	2 transv.	7 toggles	6 toggles	9 toggles	
Spacing of Cleats	---	---	---	---	---	---	390	---	---	---		
Number of Tarpaulins	---	---	---	---	---	---	---	---	---	---		

\*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? ---

Particulars of any special features :-

- Cargo tank hatch
- Ventilation hatches to cargo tanks
- Manholes to cofferdam and side bunkers
- S<sub>1</sub> Steel hinged door, operable from both sides, sill 385 -335 mm.
- S<sub>2</sub> Steel hinged door, operable from both sides, sill 460 mm.
- S<sub>3</sub> Wood hinged door, operable from both sides, sill 180 mm.
- S<sub>4</sub> Wood hinged door, operable from both sides, sill 425 mm.
- S<sub>5</sub> Steel hinged door, operable from both sides, sill 390 mm., closed watertight
- S<sub>6</sub> Wood hinged door, operable from both sides, sill 470 mm.
- S<sub>7</sub> Steel hinged door, operable from both sides, sill 650 mm., closed watertight
- S<sub>8</sub> Steel hinged door, sill 370 mm., closed watertight
- S<sub>9</sub> Steel hinged door, operable from both sides, sill 680 mm.



- S<sub>10</sub> Steel hinged door, operable from both sides, sill 300 mm., closed watertight
- D Down



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