

18 AUG 1960

OPEN SHELTER DECK

Spt.Rpt.No. 2163F

LLOYD'S REGISTER OF SHIPPING

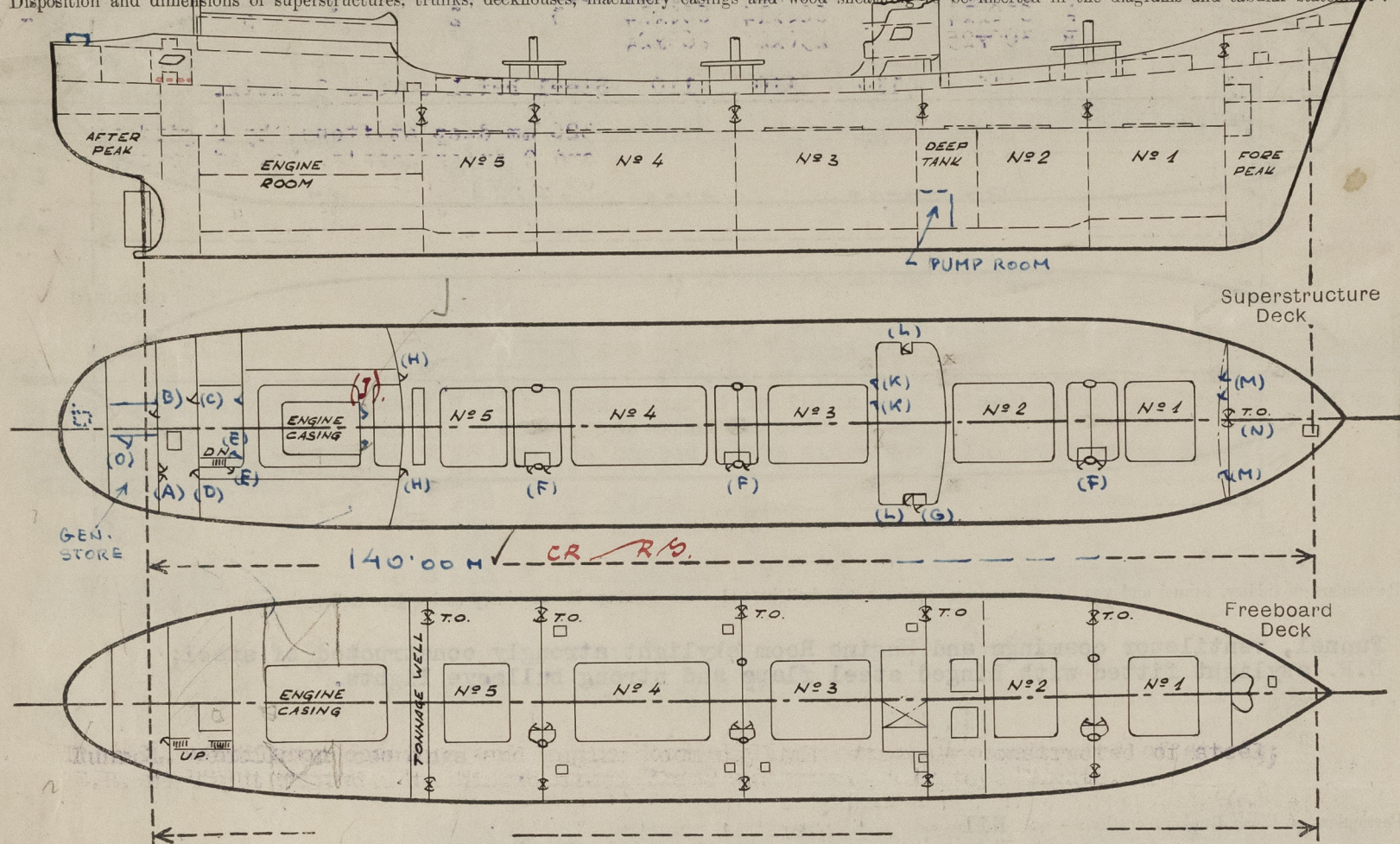
UNITED WITH THE BRITISH CORPORATION REGISTER

Index No. _____
(For London Office only.)SURVEYS FOR FREEBOARD.
(CONDITIONS OF ASSIGNMENT.)Ship's Name **"CHOPIN"**Port of Survey **SPLIT**

Official Number _____

Surveyor's Signature *Stipely*Nationality and Port of Registry **Polish - Gdynia**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	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height, Beam to Beam
well								
Poop Bulkhead Aft. tonn/bhd	-	7.5-7.0	100x75x9	700	Top: Brktd.	-	-	3253
Poop bhd. on Sh. Dk.	-	7.5	100x75x10	750	Bott: welded	-	-	2500
Bridge, After Bulkhead	-	7.5	100x75x9	640, 760	Top & Bott. sniped	1310x680	610	2500
Bridge, Forward Bulkhead	-	7.5-7.0	100x75x9	760	Top: Brktd	1260x960	610	3219
Forecastle Bulkhead on Sh. Dk.	150x8	7.5	75x75x8	610	Top & Bott. sniped	1520x635	460	2300
Bridge Aft. bhd	-	7.5	160x10 F.B.	760	Top & Bott. sniped	1600x1420	480	2500
Bridge Fwd. bhd	-	11	100x75x9	760	Top: brktd.	1310x910	610	2500
on Sh. Dk.	-	11	200x100x12	760	Bott: welded	1370x685	610	2500
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	-	-	-	-	-	-	-	-
Exposed Machinery Casings on Superstructure Decks	-	-	-	-	-	-	-	-
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	-	6.5	75x65x7	760	Top: cont.	1850x700	150	3570
amidship	150x10	9.5-9-8	130x90x10	760	F&A: Top: btd	1520x680	460	2500
Deckhouse	-	-	102x76x100	645	Bott: weld	1320x680	610	2500

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

Poop Bulkhead	Nil
Poop bhd. on Sh. Dk.	(A) Hinged double steel door not operated both sides (Class 2)
Bridge, After Bulkhead	(B) Hinged W.T. steel door operated both sides, 3 hinges, 3 toggles (Class 1)
Bridge, Forward Bulkhead	(C) Hinged double steel door operated both sides (Class 2)
Forecastle Bulkhead	(D) Hinged W.T. steel door operated both sides, 3 hinges, 3 toggles (Class 1)
on Sh. Dk.	(H) Hinged W.T. steel door operated both sides, 3 hinges, 2 toggles (Class 1)
on Sh. Dk.	(M) Hinged W.T. steel door operated both sides, 3 hinges, 3 toggles (Class 1)
Storm boards	(N) Storm boards 3" thick in welded channels (Class 2)
Bridge after bhd.	Portable steel plates with hook bolts operated 305 mm apart (Class 2)
Exposed Machinery Casings on Superstructure Decks	-
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	(L) Hinged strong steel doors operated both sides (Class 2)
Amidship on Sh. Dk.	(L) Sides: Hinged WT steel doors operated both sides, 3 hinges, 2 toggles (Class 1)
Deckhouse	(K) Aft: Hinged WT steel doors operated both sides, 3 hinges, 3 toggles (Class 1)

Chopin

The diagram illustrates the deck layout of a submarine, showing two main levels: the Peep, Foxle & Superstructure Deck and the Freeboard Deck. The Peep, Foxle & Superstructure Deck is the upper level, featuring a central longitudinal axis with compartments labeled N°1 through N°5. To the left of N°5 is the ENGINE CASING, and to the right of N°1 is the T.O. (Top of Obstacle) section. A freeing port is indicated on the left side of the Peep, Foxle & Superstructure Deck, with dimensions 500 x 400. The Freeboard Deck is the lower level, shown below the Peep, Foxle & Superstructure Deck. A legend on the right side of the diagram identifies symbols for various components: a square for Goosehead Vent., a circle for C.V. (Control Valve), a circle with a dot for M.V. (Main Valve), a circle with a cross for Vent. Intake, and a circle with a dot for Air pipe. The diagram also shows various pipes, valves, and structural details, including a dashed line indicating the centerline and a solid line indicating the deck edge.

Funnel, ventilator coamings and Engine Room skylight strongly constructed of steel; E.R. skylight fitted with hinged steel flaps and strong bullseye lights.

(C) Companionway to steering gear compartment and tweendecks spaces aft, enclosed in Bridge aft (Upperdeck). Hinged, WEATHERTIGHT, horizontally divided steel doors, operated both sides 1310x680 m/m, 4 hinges and 1 lock. Sill 610 m/m.

Particulars of Companionways :-

(including those incorporated in deckhouses and masthouses) :- (H) & (D) Companionway to steering gear compartment and tweendeck spaces aft, enclosed in bridge aft (on Upper dk). Hinged strong steel doors, operated both sides 1370x685 and 1310x680 m/m, Sill 610 m/m, 3 hinges, 2 toggles, rubber packing. (E) Companionway to steering gear compartment and tweendeck spaces aft, enclosed in Bridge aft (on Upper dk). Hinged strong steel doors operated both sides, 1760x690 m/m, Sill 230 m/m, 2 hinges, 1 toggle. (F) Companionway to tweendeck spaces and holds enclosed in strong steel Mast houses. Hinged W.T. steel doors operated both sides 1365x635 m/m, Sill 610 m/m, 3 hinges, 3 toggles, rubber packing. (G) Companionway to pump room amidship enclosed in strong steel deckhouse. Hinged W.T. steel door operated both sides 1370x680 m/m, Sill 610 m/m 3 hinges, 3 toggles, rubber packing.

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

915x10 mm with WT steel cover.

Upper Dk: 1 @ 600 " " MV - coaming 915x10 mm
2 @ 450 " " MV - coaming 915x10 mm
2 @ 600 " " MV thro' Samson Posts
2 @ 450 " " MV - coaming 915x10 mm
2 @ 159 " " Gooseneck Vent.coaming 915x10
1 @ 400x350 Vent.intake on dk.house,1415 mm
above dk., with WT steel cover.
1 @ 400x400 Vent.intake on dk.house,1415 mm
above dk.,with WT steel cover.
1 @ 400x400 Vent.intake on dk.house 1960 mm
above dk.with WT steel cover.

Bipod Masts: have 1000x350 and 1150x400 mm Vent.openings, 2250 m/m above mast house deck, with W.T. steel cover.

All vent.coamings with exhaust fan provided with 10 m/m thick steel covers stowed in readily accessible positions. Remainder have wood plugs and canvas covers. All vent.over 915 m/m height efficiently stayed.

Upper Dk:

2-98	"	p&s	to	No.1	DB	tank	
2-98	"	p&s	to	No.2	DB	tank	
1-181	"	p&s	to	Deep	tank		P
1-2"	"	p&s	to	cofferdam			
2-98	"	p&s	to	No.3	DB	side Tanks.	
1-149	"	p&s	to	No.3	DB	tank, centre.	
1-98	"	s.s.	-	-	-	-	
1-98	"	centre,	to	FW	tanks	in	tweendeck
2-98	"	p&s	to	DB	tank	No.4	sides
1-149	"	p&s	-	-	-	centre.	
1-149	"	p&s	to	DB	tank	No.5	centre
1-2"	"	p&s	to	cofferdams			
1-3"	"	p&s	to	Drinking	water	tank	✓

All air pipes fitted with
mouvable steel caps. Height
915 m/m. O.F. air pipes as
above but with wire gauze on
pipe.
All air pipes have canvas covers.

All air pipes have canvas covers.

Foxle Dk: 1-^{1/2}" dia p&s scupper on Foxle deck aft led direct to
 Upper Dk. ^{Shelton} Upper Deck: Spaces in Foxle are drained thro' 4-1^{1/2}"
 dia holes in Foxle front out to upper dk., with brass screwed plugs
 with chain attachment and one 4" dia scupper p.s. led overboard
 below 2nd deck thro' galv. steel storm valve on ship's side.
^{Shelton} Upper Dk is drained by 8-3^{1/2}" p&s scuppers, with outlets overboard
 above 2nd Dk. Well aft on upper dk. is drained by 1-5" p&s scupper
 with outlet overboard above 2nd Dk. Masthouses are drained thro' 1^{1/2}" dia holes to upper dk. with
 brass svrewed plugs with chain attachment. Deck house forward: All sanitary discharges, baths, W.C.
 wastes and soils and pantry (separately drained) from accommodation situated above upper deck are
 led overboard below 2nd deck thro' 1-6" p&s and 1-4" p&s galvanized steel storm valves at ship's side.
^{Shelton} Superstructure aft: All sanitary discharges baths, W.C. wastes and soils and galley (independently
 drained) from accommodation situated above upper dk are led overboard below 2nd dk thro' galvanized
 steel storm valves on ship's side (p.s. 2 - 4", 1-6", 1-3", 1-5", s.s.: 2-4", 1-6", 1-3", 1-1^{1/2}", 1-5")
 2nd Deck is drained by 10-3 1^{1/2}" dia p&s scuppers led direct to bilges with galvanized steel S.D.
 valves, operated from upper deck with open/shut indicator. Tonnage well is drained by 1-5" ^{Shelton}
 dia p&s scupper led overboard below 2nd deck with galvanized steel S.D.N.R.V. operated from upper
 deck with open/shut indicator. Provision and refrigerated stores on 2nd deck aft p.s. have
 independent drainage thro' trapped scupper pipes led to Engine Room bilges thro' 1-2" pipe with
 self closing cock. F.P. store and chain locker also steering gear compartment drain into wells and
 then overboard above freeboard deck thro' 2" hand pumps.

MADE BY
SUPERIMPOSED

Vertical distance of Sill of lowest Side Scuttle above top of keel.....	12.200 mm
Distance from amidships to centre of lowest Side Scuttle.....	68.035 mm

Particulars of Guard Rails & Bulwarks :—

Foxle deck: Bulwark 1400 mm high forward of frame No.195, gradually tapered to 200 mm height on frame No.175. Bulwark 7 mm thick with 160x10 and 75x37,5 mm half round bar, stiffened by 9-10 and 15 mm thick p&s stays reinforced with welded 60x12 flat bars. After end and sides fitted with 3 rails, stanchions spaced 1150 mm apart. Upper deck: bulwark full length 1150 mm high, 7 mm thick with 200x10 F.B. bar stiffened by 10 mm thick flanged brackets on every second frame. Poop deck: Bulwark 1100 mm high fitted forward of frame No.3 gradually tapered to 150 mm height on frame No.22. Bulwark 7 mm thick with 200x10 F.B. bar stiffened by 10 mm thick flanged brackets on every third frame. After end fitted with 3 rails stanchions spaced 1200 mm apart.

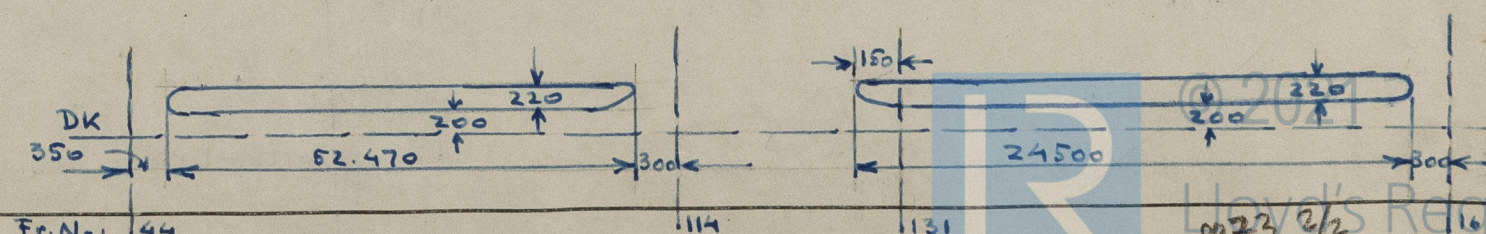
Particulars of Gangways, Lifelines, etc. :— Wire life lines fitted p.& s. to permanent eye plates.

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	4.88 m. ✓	1150 mm	500x400 mm	Four	80. ✓	38
Forward Well	100.65 m. 101.34 m.	1150 mm	52.470x220mm 24.500x220 mm	One One	11.54 5.39 16.93	3.07

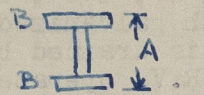
State position of each freeing port	{ After Well :— evenly distributed { Forward Well :— see sketch below.
(F. and A. position and height above deck edge)		

State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such:— **Fwd. well open. After well brass hinged shutters on all freeing ports**

Additional area where sheer is less than standard.



PARTICULARS OF PROTECTION TO OPENINGS, ETC.

HATCHWAYS ON FREEBOARD AND SUPERSTRUCTURE DECKS.											
<div> <div>Upper</div> <div>2nd deck</div> <div>Upper deck</div> </div>											
Description of Hatchway	No.1	No.2&5	No.3	No.4	No.1	No.2&3	No.4	No.5	Tonnage hatch	Provis. store hatch	aft
Dimensions of Hatchway	8.22x7.5	8.36x7.5	12.16x7.5	16.72x7.5	8.22x7.5	12.16x7.5	16.72x7.5	8.36x7.5	1.25x4.5	1.2x4.8	
COAMINGS	Height above Deck	230	230	230	230	1120	1120	1120	1120	300	610
	Thickness	12	12	12	12	12	12	12	12	12	12
	Stiffeners	-	-	-	-	HP 300x14	HP 220x12	-	-	-	-
	Brackets, Stays	-	-	-	-	-	-	-	-	-	-
HATCH BEAMS	Number	3	3	5	7	Brackets th.12 mm flanged 90 mm					
	Spacing	2095	2130	2053	2100	No. at sides:					
	Scantling and Sketch						No. at ends:				
	Bearing Surface	110	110	110	110	Steel hatch covers 8 mm.th.					
FORE AND AFTERS	Number	-	-	-	-	320 mm deep stiffened by 2 girders and 9 intercostals. No. of covers on each hatch:					
	Spacing	-	-	-	-	4 6 8 4					
	Unsupported Lengths	-	-	-	-	Bearing surface 100mm					
	Scantling* and Sketch	-	-	-	-						
HATCH COVERS	Material	125	wood 110	110	110	Steel 8 mm	Athward ship 100 mm	wood 65	wood 65	wood 65	
	Thickness	90	90	90	90						
	How fitted	-	-	-	-						
	Bearing Surface	-	-	-	-						
Spacing of Cleats	570	580	595	610	570	595	610	580	500	450	
Number of Tarpaulins	1	1	1	1	3	3	2	3	3	3	
<p>*Are wood fore and afters steel shod at all bearing surfaces? -</p> <p>Are battens and wedges efficient and in good condition? Yes</p> <p>Are tarpaulins in good condition and in accordance with rule requirements? Yes</p> <p>Are lashings provided in accordance with rule requirements? Yes (steel-band lashings on all upper deck hatches)</p> <p>Are wood covers fitted with galvanised end bands? Yes</p>											

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

- Hatch to bosun's store on foxle deck: Hatch 1100x1000 mm coaming, 610 mm, 11 mm thick with W.T. steel cover 8 mm thick, 2 hinges, 8 toggles, rubber packing.
- Access hatch to bosun's store inside foxle: Hatch 820x520 mm coaming 610 mm, 10 mm thick with W.T. steel cover, 10 mm thick, 2 hinges, 2 toggles, rubber packing.
- 6 Trimming hatches on 2nd Dk: Hatch 750x550 mm flush with deck, W.T. steel cover 10 mm thick, 2 hinges, 11 - 20 mm welded bolts, rubber packing.
- Deep tank hatches on 2nd Deck: 2 hatches 3200x3010 mm, coaming 230 mm, 12 mm thick with W.T. steel covers 13 mm thick stiffened by 3 continuous transversal flat bulb bars 180x10 mm and 3 intercostal longitudinal flat bulb bars 150x10 mm, fastened to coaming by 33 toggles, rubber packing.
- Provision store hatch on poop deck: (leading to well aft). Hatch 1800x1200 mm coaming 660 mm, 11 mm thick, with wood covers, 65 mm thick fitted F.& A. Bearing surface 70 mm.
- Hatch to paint store: (on poop deck). Hatch 610x610 mm coaming 460 mm, 10 mm thick with hinged W.T. steel cover 8 mm thick, 2 hinges, 8 toggles, rubber packing.
- (O) Entrance to General Store inside poop: Hinged strong steel doors, operated both sides. Class 2.



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