



BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT **BUREAU VERITAS**

INTERNATIONAL REGISTER FOR THE CLASSIFICATION OF SHIPPING AND AIRCRAFT

Section No.
Date of application

SURVEY FOR FREEBOARD

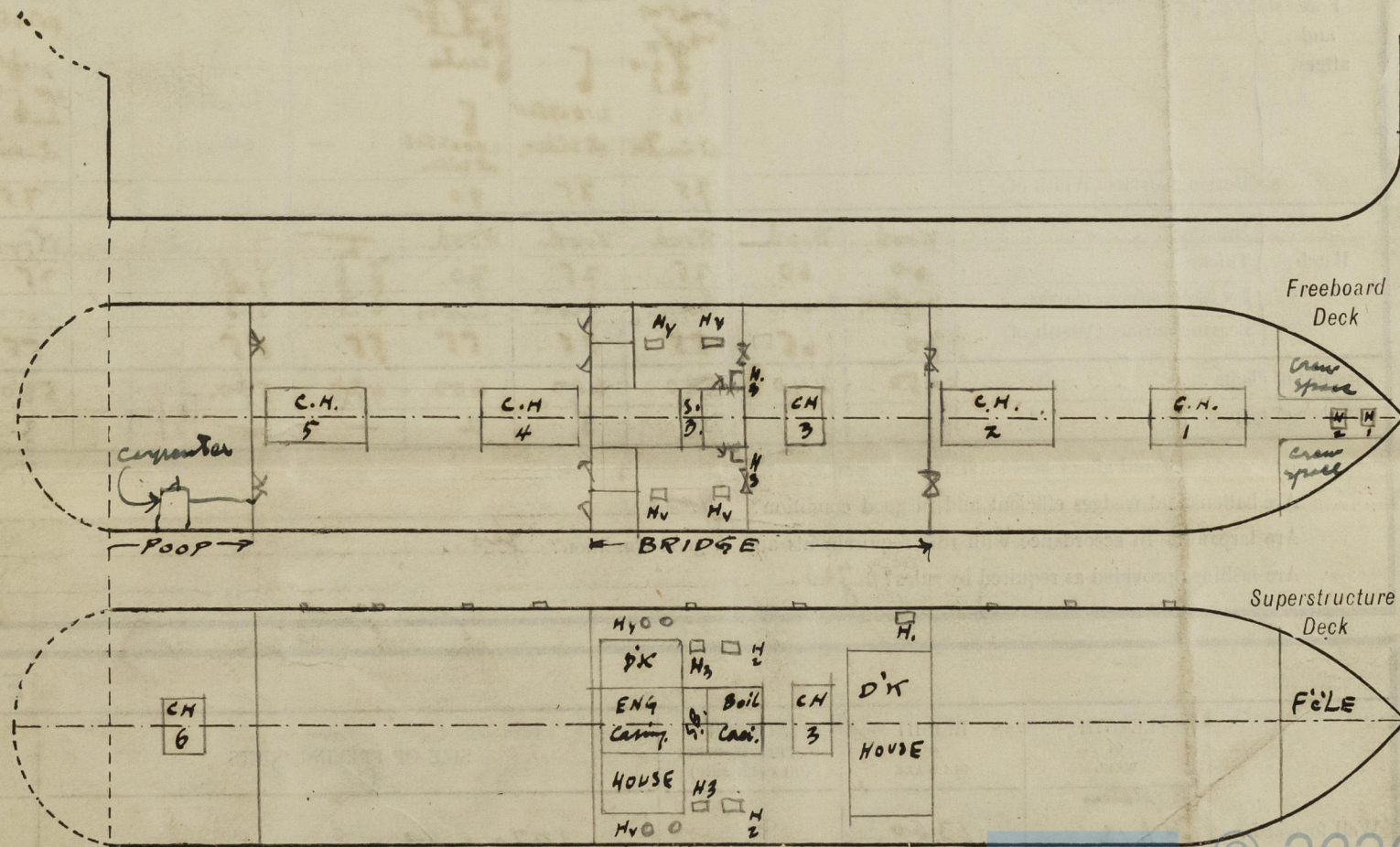
In view of the delivery of an INTERNATIONAL FREEBOARD CERTIFICATE

To the (1) *Single Screw* (2) *CARGO Steamer* (3) *BORE IX*
Gross Tonnage *4512* Port of Registry *ÅBO* Flag *Finnish*
Classification *BS** Owner *Angfartygs Aktiefelagst BORE*
Built in *10/1910* at *Dumbarton* by *A. McMillan & Sons Ltd.*
Building
Survey made at *KOTKA, FINLAND* on the *BORE IX* by *J. Thure Silander*

PRINCIPAL DIMENSIONS *

LENGTH (Rule xxxii)	L =	<i>114.93</i>	feet or meters.	F.P.	=	<i>2105 82.97</i>	ins. or mill.
BREADTH (Rule xxxiii)	=	<i>15.84</i>	feet or meters.	1/6 L. from F.P. =	<i>1015 39.96</i>	ins. or mill.	
DEPTH (Rule xxxiv)	D ₁ =	<i>11.00</i>	feet or meters.	1/3 L. " " =	<i>290 11.42</i>	ins. or mill.	
DISPLACEMENT A 0.85 D ₁	Δ =	<i>13500</i>	Tons or m ³ tons.	Amidships . . . =	<i>0</i>	ins. or mill.	
TONS per $\frac{\text{ins}}{\text{cent}}$ immersion	δ =	<i>40</i>	Tons or m ³ tons.	1/3 L. from A.P. =	<i>75 2.95</i>	ins. or mill.	
ROUND of beam	b =	<i>330</i>	ins. or mill.	1/6 L. " " =	<i>330 12.99</i>	ins. or mill.	
Thickness of stringerplate	e =	<i>15</i>	ins. or mill.	A.P. =	<i>1015 39.96</i>	ins. or mill.	
Thickness of deck sheathing	e ₁ =	—	ins. or mill.	Trim (if vessel is designed to trim } by stern)	—	feet, or meters.	
Length sheathed	l =	—	ins. or mill.	Distance from lowest point of sheer } curve to mid-ship section	—	feet, or meters.	

(* Give metric measurements if such are to be used on the Certificate.)



SKETCHES SHOWING THE SUPERSTRUCTURES, THEIR END BULKHEADS AND EXTENSIONS (ENCLOSED OR OPENED) THE LENGTH OF WELLS, THE DECKHOUSES, TRUNKS, MACHINERY CASINGS, CARGO AND COALING HATCHWAYS, CARGO DOORS AND OTHER OPENINGS IN DECKS AND SIDES WHICH AFFECT THE FREEBOARD. ASSIGN TO EACH OPENING IN FREEBOARD DECK AND SUPERSTRUCTURE DECK AN INDEX NUMBER OR LETTER WHICH WILL BE REPRODUCED AT HEAD OF COLUMNS IN THE TABLE ON NEXT PAGE. — HATCH THE PORTION OF THE DECK FITTED WITH WOOD PLANKING OR SHEATHING.

- (1) Steam motor, sailing, non propelled, etc.
- (2) Cargo ship, passenger ship, tanker, etc.
- (3) Name of ship.

002449-002456-0126

Dimensions				SUPERSTRUCTURES									
SUPERSTRUCTURE	LENGTH METERS	HEIGHT MILLIMETERS		Construction									
File enclosed				SUPERSTRUCTURE	COAMING	PLATE	STIFFENERS	SPACING	END ATTACH ¹	SIZE OF OPENINGS	HEIGHT of SILLS	HEIGHT of CASINGS	PARTICULARS OF CLOSING APPLIANCES (CLASS) (state if capable of being manipulated from both sides)
— overhang	11.93	2300		Forecastle bulkhead									
Bridge enclosed	30.49	2300		Bridge forward bulkhead	12	12	5 190 × 75 × 12	690	bracket	350 × 430 × 12	500		
— overhang forward				Bridge aft bulkhead	8	8	L 80 × 80 × 10	610		2 × 150 × 850	460		
— overhang aft				Raised quarter deck bulkhead						2 × 150 × 850			
R.Q.D. enclosed				Poop bulkhead	10	10	L 150 × 70 × 10	700	375 × 190 × 12	2 × 150 × 120	440		
— overhang	10.94	2300		Exposed Machinery casings on Freeboard or R.Q.D.									
Poop enclosed				Exposed Machinery casings on Superstructure deck	9	7	L 75 × 65 × 8	680		4 × 190 × 610	460	2300	
— overhang				Machinery casings within superstructures not fitted with class 1 clos. appl.	10	9	L 85 × 75 × 10	740		2 × 770 × 460	580	2300	
Trunk forward				Deckhouses on flush deck ships									
Trunk aft				Trunk forward									
				Trunk aft									

OPENINGS IN FREEBOARD DECK										OPENINGS IN SUPERSTRUCTURE DECK							
DESIGNATION OF THE OPENINGS	H.1.	H.2.	C.H.1.	C.H.2.	C.H.3.	H.3.	H.4.	S.B.	C.H.4.	C.H.5.	H.1.	C.H.3.	H.2.	H.3.	H.4.	S.B.	C.H.6.
Dimensions	1140 × 1210	690 × 770	8680 × 4920	9970 × 4920	3320 × 4890	900 × 760	2570 × 1360		8680 × 4920	8680 × 4920	1210 × 840	3320 × 4890	2570 × 1360	1090 × 1290	380% dia.	4360 × 1560	2430 × 8020
Coamings																	
Height above deck	230	250	920	920	770	240	240		920	920	310	310	240	240		220	760
Thickness (Sides and ends)	12	12	11	11	11	8	10		11	11	10	10	10	10		10	11
Stiffeners																	
Brackets, stays																	
Hatch beams																	
Number			2	3					2	2							
Spacing			2900	2480					2900	2900							
Scantlings (sketch)			520	520					520	520							
Bearing surface (Width of)			100 × 70 × 10						100 × 70 × 10								
Fore and afters																	
Number			3	3	3				3	3		3					1
Spacing			1230	1230	1222				1230	1230		1222					1530
Unsupported length			2900	2480	3320				2900	2900		3320					2430
Scantlings (sketch)			65 × 65 × 9	65 × 65 × 9	65 × 65 × 9				65 × 65 × 9	65 × 65 × 9		65 × 65 × 9					70 × 70 × 10
Bearing surface (Width of)			75	75	80				75	75		80					80
Hatch covers																	
Material	Wood	Wood	Wood	Wood	Wood				Wood	Wood	Wood	Wood	Wood	Wood		Wood	Wood
Thickness	60	60	75	75	70				75	75	60	70	65	70		65	60
How fitted, lengthwise, crosswise	lengthwise	cross	cross	cross	cross				cross	cross	cross	cross	cross	cross		lengthwise	cross
Bearing surface (Width of)	70	65	55	55	55	55	55		55	55	55	55	70	65		65	55
Spacing of cleats	450	440	580	600	600	470	570		580	580	490	600	570	440		610	550
Number of tarpaulins	3	3	2	2	2	2	2		3	3	2	2	1	1		2	2
Are wood fore and afters steel shod at bearing surfaces? <i>yes.</i>																	
Are battens and wedges efficient and in good condition? <i>yes.</i>																	
Are tarpaulins in accordance with rule requirements and in good condition? <i>yes.</i>																	
Are lashings provided as required by rules? <i>yes.</i>																	

FREEING PORTS					
Well forward	LENGTH of WELL Meters	HEIGHT of BULWARK	NUMBER OF FREEING PORTS (on each side)	SIZE OF FREEING PORTS	TOTAL AREA
Well forward	31.12	1360	3	1070 × 620	1.99 m ²
Well aft	30.45	1360	4	1070 × 620	2.65 m ²

State position of each freeing port and height of sill above upper face of deck. *first freeing port from front Bridge bulkhead 5500, and from aft Bridge bulkhead 4350 height of sill = 300*

State whether freeing ports are fitted with shutters or rails and give particulars of such. *balanced, on hinge bar 25% dia.*

Additional area where sheer is less than standard (rests with the Administration).

OTHER PARTICULARS

Coamings of tidleys, funnels, air casings : description. *Tidley fitted with hinged steel covers. 6 vents. and funnel pass through casing, height above bridge deck 2300 mm.*

Covers of flush deck coal openings in deck : material and description. *2 port & 2 starboard. 380 mm dia solidly closed.*

Companionways : description, distance from forward perpendicular.

Ventilators on exposed freeboard deck or superstructure deck : attachment to deck, means of closing. *on fore deck, 7 ventilators: } all venti-
1 - 220 dia x 440 coming fore well: - 33 1/2 on bridge } lators closed
2 - 300 " " 450 " 3 - 450 dia x 850 comm. 6 - small vents. } by wood and
2 - 440 " " 520 " 20 1/2 aft. well: - 33 1/2 on poop } tarpaulins.
3 - 140 " " 350 " 12 3 - 450 dia x 850 " 4 - 280 dia x 550 comm. 19 1/2 5 - small ventilators
220 dia x 440 comm. 17*

Air pipes on exposed parts of freeboard and superstructure decks : description, means of closing. *6 pipes 55 dia x 150 height. increased in height.*

Gangway, cargo and coaling doors, etc. : description.

Scuppers and sanitary discharge pipes : description. *all sanitary discharges above upper deck. scupper holes cut through bulwark deck angle bar. in aft well 4. P & S.B. 170 x 150 : in fore well 3 - P & S.B. 170 x 150. On bridge 2 - P & S.B. 100 mm dia. and running through bulk side:*

Sidelights : distance to top of keel, location type (fixed or to open), system of closing. *Sidelights only in superstructures. made to open and fitted with two wing nuts and blind covers.*

Bulwarks and rails : height of top above freeboard or superstructure deck, spacing of rails. *3 - bars 930 above deck on poop and fore. Bulwark fitted on bridge like 910 height.*

Crew spaces : position, gangways, ladders, lifelines. *Crew space forward in steel housing under fore deck. Carpenter's room under poop deck. wooden walls. Ladders and lifelines in order.*

Special features in the construction of the ship which may affect the freeboard.

Additional information regarding Tankers.

Is the pump room accessible from freeboard-deck? _____
How are the openings closed? _____
Are all hatchways fitted with watertight steel covers? _____
Are open rails fitted for at least half the length of the exposed portion of the weather deck? _____
_____ for the whole length of the trunk? _____

Additional information concerning ships carrying timber deck cargoes.

Has the deck sufficient strength for the weight of the deck cargo? _____
How are the steering appliances protected? _____
Is the bulwark specially stiffened? _____
For ships without poop : is a strong steel hood or deck house fitted aft? _____
Is the ship fitted with a double bottom on half-length amidships? _____
Is this part of the double bottom provided with longitudinal subdivision? _____
Spacing of eye plates for lashings? _____
Distances from end bulkheads to first eye plate? _____
Does the Surveyor consider necessary further strengthenings or arrangements? _____