

No. 40210 -

State if Report is also sent on the Machinery of the Vessel

Yes

THU. JUL. 22 1920

Port of Glasgow Date of completion of Report 16. 7. 20. Rec
Survey held at Dumbarton Date, First Survey 22. 8. 19.
On the (State of Single, Pair, or Single Series) Single s/s **LYGNERN**
(WITH FREEBOARD)

Received at London Office

Last Survey 9 July

1920

**TONNAGE under }
Tonnage Deck... }**
*Do. between Tonnage Dk. and }
3rd, 4th, or Awning Dk. }*

CLASS + 100 A.I. SHELTER DS
[LONGITUDINAL FRAMING]

Master Carl Anders Biel

Year of Appointment	(1) As Master in service of	
	owner of present vessel:—	191
	(2) As Master of this	
	vessel	191

Total under Upper Dk.	48.64.58
Do. of Poop	130.18
Do. of R. Qr. Dk.	✓
Do. of Bridge House	✓
Do. of Forecastle	30.78
Do. of Houses on Deck	259.03
Do. of excess of Hatchways	2.94
Do. above Crown of Engine Room ...	35.64

Depth, at middle of length, from top of keel to top of beams at side of uppermost Continuous Deck } 28.25 ✓

for light fixture Deck when this does not exceed 8ft + 1.0

Built at *Dumbarton*

When built 1920 Launched 22 May 1920

By whom built *A. McMillan & Son*

Owners *Rederiaktiebolaget Transatlantica*

Managers Gunnar Carlsson

Residence Göteborg

Port belonging to *Göteborg*

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock *Yes*

Ft.	Ins.	BREADTH	Ft.	Ins.	DEPTH, ACTUAL —Top of Floors to top of Awn. or Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid	2
400	0	Moulded ..	52	3	Do. do. Upper Deck Beams	34	9	No. of Tiers of Beams	2
per Register,									
400.0 breadth		52.7 depth.	25.6		Awn. or Shelter Dk. Moulded depth, ft. 37 ins. 3 To Awn. or Shelter Dk.			Round up of Uppermost Dk. Beam Actual	13 ins.
					Upper Deck. Moulded depth, ft. 28 ins. 3 To Upper Dk.				

[illegible]

Form No. 1B. WEB FRAMES, FORGINGS OR CASTINGS, BULKHEADS, PLATING, RIVETING, MASTS, SPARS, &c.

EQUIPMENT No. 35231 LETTER Z ANCHORS, CHAIN CABLES, HAWSERS AND WARPS, Boats, Steering Gear, Windlass, Engine Room Skylights, Coal Bunker Openings, Number of Scuppers, Ceiling in Holds, Cargo Hatchways, State size No. 1 Hatch, No. 2 Hatch, No. 3 Hatch, No. 4 Hatch, Bulwarks, Main Rail and Stays, Builder's Signature, Correspondence, Workmanship, Is the riveted work properly closed?, Are the liners between the frames and plates solid single pieces?, Are the butts of plating, stringers, &c., properly shifted and strapped?, Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)?, Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)?, General Remarks, Committee's Minute, Character assigned, The amount of Entry Fee, Special Survey Fee, Travelling Expenses, State whether the Vessel has been built under Special Survey, I am of opinion this Vessel should be Classed, With, or without Freeboard, Glasgow 21 JUL 1920, GLASGOW 21 JUL 1920, Character assigned +100 As Shelter Deck, Longitudinal Framing, Fitted for Oil Fuel 7.20 F.P. above 150°F, Lloyds Arc.P., + L.M.C. 7.20.

GENERA

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.		
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Spang.	
Framing of \angle , L or \times																
Frames in Bridge 'tween Decks...																
Frames from Uppermost Continuous Deck																
Framing from Awning, Shelter or Upper Deck to Margin Plate.	No. 1	8	3 1/2	40	8	3 1/2	40	8	3 1/2	40	8	3 1/2	40	7/8	5/4	
	" 2	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	" 3	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	" 4	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	" 5	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	" 6	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	" 7	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	" 8	8	3 1/2	44	"	"	"	8	3 1/2	44	"	"	"	"	"	
	" 9	10	3 1/2	44	10	3 1/2	44	10	3 1/2	44	10	3 1/2	44	"	"	
	" 10	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	" 11	10	3 1/2	48	10	3 1/2	44	10	3 1/2	48	10	3 1/2	44	"	"	
	" 12	10	3 1/2	60	10	3 1/2	56	10	3 1/2	60	10	3 1/2	56	"	"	
	" 13	8	3 1/2	40	10	3 1/2	40	8	3 1/2	40	10	3 1/2	40	"	"	
	" 14	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	" 15	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	" 16	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
Spacing of Longitudinal Frames		Amidships			At Ends			Amidships			At Ends					
		30			30			36			30					
					21 FOR						21 FOR					
					AT BOTTOM						AT BOTTOM					
Double Bottoms		Tank Top Longitudinals			Bottom			Amidships			At Ends					
\angle , L or \times		8			3 1/2			46			8			3 1/2		
		8			3 1/2			52			8			3 1/2		
Spacing of Longitudinals		30			30			30			30					
					21 FOR						21 FOR					
					AT BOTTOM						AT BOTTOM					
Transverses.																
In Bridge		Depth and Thickness														
'tween Decks		Face Angles														
		Lugs to Shell														
In Awning, Shelter or Upper 'tween Decks.		Depth and Thickness			16			38			16			38		
		Face Angles			3 1/2			3 1/2			44			3 1/2		
		Lugs to Shell			3 1/2			38			3 1/2			38		
In Hold.		Depth and Thickness			30			50			30			50		
		Face Angles			10			3 1/2			68			10		
		Lugs to Shell			6			46			6			46		
		Brackets			44			44			44			44		
Spacing of Transverse Frames		10-0, 12-0, 14-0 FT			10-0, 12-0			14-0 FT			10-0, 12-0			14-0 FT		
		* State if joggled or liners.														
Longitudinal Beams of		Bridge Deck			6			3			36			6		
\angle , L or \times		Avg. or Shltr. Dk.			7			3			42			7		
		Upper			8			3			40			8		
		Second			FOR											
		Third														

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

5c.4.10.—T.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as should appear in the Register Book) **2 Bth Steel 2 Tier Beams**
Official No. ; Signal Letters ☒ State if Machinery is fitted aft **Yes**
How are the surfaces preserved from oxidation? Inside **Cement wash with fillers & Bitumastic on floors in machinery space with bottom cemented** Outside **Paint & Composition**

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors **Cellular**

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	120	324	For peak tank,	22	144
Double bottom, under Engines and Boilers,	36	146	After peak tank,	19.3	175
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	189.6	644.5	Other tanks, if fitted,		
	Total capacity of double bottom	1174.5	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules **Yes**

Order for Special Survey No. **5326**

Date **19. 12. 19.**

No. **479** in builder's yard.

DATES of Surveys held while building

1919. Aug 22. 26. 29. Sept 5. Oct 6. 13. 31. Nov 4. 6. 14. 18. 26. Dec 5. 14. 22. 29.
1920. Jan 9. 16. 21. 27. 30. Feb 4. 11. 17. 20. 27. Mar 2. 9. 16. 19. 23. 26. 31. Apr 2. 9. 13. 16. 20. 23.
May 1. 4. 11. 18. 31. June 10. 14. July 2. 9.

Total No. of Visits **53**

Surveyor's Signature

Alfred Davis