

**Awning or Shelter Deck,
or Pt. Awning Deck.**

STEEL STEAMER.

No. 41522.

State if Report is also sent on the Machinery of the Vessel. **YES**

Port of GLASGOW Date of completion of Report 6.12.21 Received at London Office 22.12.1921
Survey held at ARDROSSAN Date, First Survey 27.2.20 Last Survey 22.12.1921

On the (State if Single, Twin, or Triple Screw) SINGLE SCREW S.S. "LANGFJORD" Rig SCHOONER

TONNAGE
Do. between Tonnage Dk. and 2nd, 4th, or Awning Dk. 3.00
Total under Upper Dk. 712.56
Do. of Poop 48.50
Do. of R. Qr. Dk. 17.17
Do. of Bridge House 34.44
Do. of Forecastle 72.99
Do. of Houses on Deck (SHELTER) 63
Do. of excess of Hatchways 63.33
Do. above Croon of Engine Room 964.20
Gross Tonnage 71.27
Less Crew Space 964
Net Tonnage 390.41
Spaces 5.25
GTONS 46.21
age 451.01

CLASS *100 A1 SHELTER Dk WITH FREEBOARD
Breadth (greatest moulded) 33.50
Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 22.00
Deduct height of 'tween deck when this does not exceed 5ft. 14.50
Transverse Number 48
Length on deck from fore part of stem to after part of sternpost 212.00
Longitudinal Number 10176
Depth "d" at middle of length. See Secs. 2 & 13. 11.24
Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 9.64
" " " Upper Deck at side to top of keel 14.62
Destined Voyage LAYING UP.

Master REFAH
Year of Appointment 1921
Built at ARDROSSAN
When built 1921 Launched 25.3.21
By whom built ARDROSSAN D.D. & S.B. CO. LTD
Owners NORWEGIAN AMERICAN S.S. CO. LTD
Managers " " " " " " " "
(Where necessary to be entered in Reg. Book.)
Residence KRISTIANIA
Port belonging to KRISTIANIA

Ft.		Ins.	BREADTH		Ft.	Ins.	DEPTH, ACTUAL		Top of Floors to top of Awning or Shelter Dk. Beams		Ft.	Ins.	No. of Decks with flat laid		No. of Tiers of Beams	
2		0	Moulded		33		6		Do.		22		0		2	
Register, 12.5 breadth 33.7 depth. 12.5 Upper Deck. Moulded depth, ft. 22 ins. 0 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual .. 8 1/2 ins.																
FRAMING.																
		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches in Ship.	Inches per Rule Or as Approved.	PILLARS.								
Boiler Space		5	3	36	5	3	36	PILLARS, in 'tween Deck, size and spacing								
Bars, amidships		5	3	36	5	3	36	2 1/2 SOLID @ 45 OR AS								
Upper Deck Beams		5	3	36	5	3	36	OTHERWISE APPROVED.								
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5	3	36	5	3	36									
Upper Deck Beams		5</														

WEB FRAMES. In Fore Body, No. and spacing. No. of Side Stringers. WEB FRAMES, In E. & B. Space, No. & spacing. BRACKET PLATES to Stringers between Web Frames, depth and thickness. BULKHEADS. W.T. BULKHEADS. COLLISION PARTITION. LONGITUDINAL. PLATING. STRAKES. MIDSHIP THICKNESS OF A, B & C STRAKES IS MAINTAINED TO FORWARD OF COLLISION BULK. BUTTS OF SIDE STRINGERS. TIE PLATES. Inner Bottom Plating, riveting of Edges. CENTRE GIRDER BUTTS. FRAMES, riveted through Plates with. RIVETS, state whether Iron or Steel. MASTS, SPARS, &c. LOWER MASTS. Rigging, Material and Size, Shrouds. Sails.

EQUIPMENT No. 12031 LETTER N ANCHORS. Number of Certificate. Anchors. WEIGHT, EX. STOCK. TEST, PER CERTIFICATE. CHAIN CABLES. HAWSERS AND WARPS. Boats. Steering Gear, Steam. Steering Gear, Hand. Pumps, Number. Windlass. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers. Ceiling in Holds. Cargo Hatchways. State size No. 1 Hatch. Number of Web Plates. Buttwelds. 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. THIS VESSEL HAS BEEN BUILT IN ACCORDANCE WITH PLANS APPROVED. THE MATERIAL & WORKMANSHIP ARE OF GOOD QUALITY. WIRELESS TELEGRAPHY & ELECTRIC LIGHT ARE FITTED. THE APPROVED PLANS & COPY OF MIDSHIP SECTION OF VESSEL AS BUILT, TOGETHER WITH 2 FORGING CERTIFICATES ARE FORWARDED HERewith. THIS VESSEL WAS LAUNCHED ON 25.3.21, BUT COMPLETION WAS DELAYED BY JOINERS STRIKE & IN MY OPINION THE DATE OF BUILD SHOULD BE RECORDED AS 12.21. THE VESSEL WAS DRY DOCKED, BOTTOM EXAMINED, FOUND IN ORDER & COATED 20.12.21. THE FREEBOARD IS AS ASSIGNED BY THE NORSE VERITAS & HAS BEEN CHECKED & FOUND IN ORDER. 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, as condition of Class. Committee's Minute. Character assigned. Recommend to L.C. date of build 12.21. Lloyds Register of Shipping. Date of build to be recorded as 12.21. Lloyds Register of Shipping.

W 457-0182(212)

GENERAL REMARKS—(continued).

Rpt. 4.

Date of writing

No. in Series
Reg. Book.

Master

Engineer

Boiler

Reg.

Nom.

ENC.

Dia.

Is to

in t

betw

line

Dia.

colle

No.

No.

No.

In

PARTICULARS FOR RECORD in the REGISTER BOOK. Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 34.0
(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) 1 DECK (STEEL) & SHELTER DECK (STEEL)
Official No. ✓; Signal Letters _____ State if Machinery is fitted aft No
How are the surfaces preserved from oxidation? Inside PAINT CEMENT & BITUMASTIC. Outside PAINT

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>30.6</u>	<u>62.5</u>	Fore peak tank,	<u>16.0</u>	<u>48.4</u>
Double bottom, under Engines and Boilers,			After peak tank,	<u>13.0</u>	<u>25.6</u>
Double bottom, if under Engines only,	<u>30.0</u>	<u>56.0</u>	Deep tank, aft,		
Double bottom, if under Boilers only, <u>(DRY) TESTED</u>	<u>16.15</u>		Deep tank, forward,		
Double bottom, forward,	<u>76.9</u>	<u>121.5</u>	Other tanks, if fitted,		
	Total capacity of double bottom <u>4.4</u>	<u>240.0</u>	(If necessary, furnish further information by sketch.)		

* The Vells 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. 5419
Date 2. 9. 1920
No. 316 in builder's yard.
DATES of Surveys held while building
1920 Feb 27 Mar 29 May 7. 12. 21. Jun 14. 9. Aug 2. 16. 18. 27. 30 Sep 6. 8. 13. 14. 20 29 Nov 12. 1
Dec 6. 20. 27. 29. 1921 Jan 24 Feb 7. 9. 11. 14. 21. 25 Mar 11. 18. 23. 24. 25 Apr 18 Jun 14 July 11.
Aug 29 Sep 2. 7. 8. 21 Oct 4. 12. 17 Nov 1. 8. 10. 15. 21. 28 Dec 5. 9. 13. 15. 16. 19. 22.

Surveyor's Signature

Wm. M. C. Meek

Total No. of Visits 62