

STEEL STEAMER ~~or MOTORSHIP~~

Received at London Office MAY -1 1941

State if Report has been sent on the Freeboard of the Vessel YES.State if Report is sent on the Machinery of the Vessel YES.Date of completion of report 28: 4: 41 Port of GLASGOW No. 63736
Survey held at GLASGOW Date First Survey 2nd Feby. 1940 Last Survey 22nd April 1941

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

SINGLE SCREW "EMPIRE ZEPHYR"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

C.S.S. without tonnage openingState Type of Erections FORECASTLE

TONNAGE under Tonnage Deck...

5954.50CLASS 100A1"WITH FREEBOARD"State if with freeboard as condition of Class WITH FREEBOARDBuilt at SCOTSTOWN GLASGOWLaunched 2nd MARCH 1941 Yard No. 432

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a)

L 401.0

Breadth (greatest moulded)

B 54.5Builders CHARLES CONNELL & CO. LTDHIS MAJESTY REPRESENTED BY
Owners THE MINISTER OF SHIPPING

Total

5954.50

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

CORR 35.66
DACT 36.5

Gross Tonnage

6326.69

Register Tonnage

4592.461st Longitudinal Number (L x D) = 143002nd Numeral L x (B + D) = 36154Managers KAYE, SON & CO., LTD
(Where necessary to be entered in Reg. Book.)Residence AS RECORDEDREGISTERED DIMENSIONS.
FEET.

Length

407.05

Framing Depth "d," at middle of length. See Sec. 3 (1d)

23'-6"

Breadth

54.75

Proportions—Depth to Length—Uppermost continuous deck to top of keel

10.99

Depth

33.20

Do. Long Bridge to top of keel

✓Draught Moulded 26'-4 1/4"Port of Registry GLASGOW

If surveyed while building, afloat, or in dry dock

BUILDING & AFLOAT.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	<u>27"</u>	<u>✓</u>			Bracket Floors, Frame	<u>6</u>	<u>3 1/2</u>	<u>7/16</u>	<u>✓</u>
" " from 1/3 length amidships to Collision bulkhead	<u>27"</u>	<u>✓</u>			" " Reversed Frame	<u>6</u>	<u>3 1/2</u>	<u>7/16</u>	<u>✓</u>
" " in peaks	<u>24"</u>	<u>✓</u>			" " Vertical Struts	<u>10</u>	<u>3 1/2</u>	<u>7/16</u>	<u>✓</u>
SIDE FRAMING.					Centre Girder, depth and thickness amidships	<u>50 1/2</u>		<u>47</u>	<u>✓</u>
Frame Amidships, Angle <u>E or F</u>	<u>12</u>	<u>3 1/2</u>	<u>45</u>	<u>✓</u>	" " top Angles	<u>3 1/2</u>	<u>3 1/2</u>	<u>7/16</u>	<u>✓</u>
" " Extends up to	<u>2nd DECK.</u>	<u>✓</u>			" " bottom Angles	<u>4</u>	<u>4</u>	<u>9/16</u>	<u>✓</u>
Reversed Frame Amidships, Angle	<u>✓</u>				Side Girders, No. each side and thickness	<u>1</u>	<u>2</u>	<u>35</u>	<u>✓</u>
" " Extends up to	<u>✓</u>				Margin Plate depth (excl. of flange) and thickness	<u>44 3/4</u>		<u>53</u>	<u>✓</u>
Depth of Framing Girder	<u>✓</u>				" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	<u>3 1/2</u>	<u>3 1/2</u>	<u>7/16</u>	<u>✓</u>
Frames in Uppermost Continuous 'tween Decks, Angle <u>E or F</u>	<u>6</u>	<u>3 1/2</u>	<u>7/16</u>	<u>✓</u>	" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	<u>3 1/2</u>	<u>3 1/2</u>	<u>7/16</u>	<u>✓</u>
" " Second 'tween Decks, Angle <u>E or F</u>	<u>8</u>	<u>3 1/2</u>	<u>7/16</u>	<u>✓</u>	" " Gussets, spacing and scantling abaft 1/4 len. from stem	<u>41</u>	<u>PLATE</u>		<u>✓</u>
" " Third " " " "	<u>12</u>	<u>3 1/2</u>	<u>45 B.A.</u>	<u>✓</u>	" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	<u>41</u>	<u>PLATE EVERY FRAME</u>		<u>✓</u>
" " from 1 len. for'd. to 15% len. from Stem	<u>7</u>	<u>3 1/2</u>	<u>7/16 B.A.</u>	<u>✓</u>	Tank Side Brackets, height above base line at toe of Frame and thickness	<u>80"</u>		<u>42</u>	<u>✓</u>
" " in Peaks, Angle <u>E or F</u>	<u>6</u>	<u>3 1/2</u>	<u>7/16 B.A.</u>	<u>✓</u>	INNER BOTTOM PLATING.				
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>7/8 R</u>	<u>2</u>	<u>6 1/4</u>	<u>✓</u>	Breadth and thickness of Middle Line Strake	<u>53</u>		<u>51</u>	<u>✓</u>
State if Frame Joggled	<u>YES</u>	<u>✓</u>			Thickness of remainder in Holds			<u>41</u>	<u>INCREASED "08 UNDER HATCHES</u>
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<u>AS APPROVED.</u>	<u>✓</u>			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	<u>YES</u>			<u>✓</u>
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<u>AS APPROVED.</u>	<u>✓</u>			BEAMS.				
SINGLE BOTTOM.					Uppermost Continuous Deck, amidships	<u>7</u>	<u>3</u>	<u>33</u>	<u>✓</u>
Floors, Depth and thickness at mid-line in Holds					" " in way of Bridge, Angle <u>E or F</u>	<u>AS APPROVED.</u>			<u>✓</u>
Height of Brackets at side above base line at toe of frame					Spacing	<u>EVERY FRAME.</u>			<u>✓</u>
Middle Line Keelson, on Floors, Angles, <u>E or F</u>					Second Deck, amidships, Angle <u>E or F</u>	<u>8</u>	<u>3 1/2</u>	<u>35</u>	<u>✓</u>
" " Through Plate or Intercoastal Plate					Spacing	<u>AS APPROVED.</u>			<u>✓</u>
" " Foundation Plate on Floors					Third Deck, amidships, Angle <u>E or F</u>				
" " Flat Plate Keel Angles					Spacing				
DOUBLE BOTTOM.					Fourth Deck, amidships, Angle <u>E or F</u>				
Solid Floors, thickness and spacing	<u>38</u>	<u>EVERY 3rd FR.</u>	<u>✓</u>		Spacing				
" " Are Frame and Reversed Frame joggled?	<u>YES</u>	<u>✓</u>			Poop Deck, Angle <u>E or F</u>				
Bracket Floors, breadth and thickness at middle line	<u>31 1/4</u>	<u>✓</u>	<u>38</u>	<u>✓</u>	Spacing				
" " breadth and thickness at margin plate	<u>32 1/4</u>	<u>✓</u>	<u>38</u>	<u>✓</u>	Bridge Deck, Angle <u>E or F</u>				
					Spacing				
					Forecastle Deck, Angle <u>E or F</u>	<u>10</u>	<u>3 1/2</u>	<u>7/16</u>	<u>✓</u>
					Spacing	<u>7</u>	<u>3</u>	<u>3/8</u>	<u>✓</u>

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

This is a sister vessel to the "EMPIRE SNOW" Glas Rep N° 63432.

List of Plans.

- (1) Midship Section.
- (2) Profile
- (3) Sternpost
- (4) Rudder.
- (5) Decks.
- (6) Painting Arrangements.
- (7) Hatch Webs.
- (8) Pillars & Girders.
- (9) N.T. Bulkheads.
- (10) W.T. Tween Dk. Bkds.
- (11) Coal Bunkers.
- (12) Pillar Head Connections.
- (13) Emergency Steering Gear.
- (14) Casings.
- (15) Knees.
- (16) Pumping Arrangements.
- (17) Quadrant & Tiller.
- (18) Centre Line Bulkhead.
- (19) Tunnel.

Forgings & Castings.
Sternframe
Rudder.
Quadrant & Tiller.

PARTICULARS OF ELECTRIC WELDING (if employed) Pillar Heads & Decks, & minor details.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book "with freeboard"
"wireless" "Direction Linder." Lloyds A & C.P. 2 DKS.
7 Bk. (coll to H.D.E. 6 Bk. to 2nd DKS.) "5 Dimensional W.T. Bk." in Tween Decks

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	WEIGHT HEAD & PIN 42 - 2 - 21	SURV INITS J.D.	CERT NO 3043	DATE OF TEST 28.6.40
	2nd "	41 - 2 - 5	J.T.	3298	11.7.40
	3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 32.5 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ☒
Official No. 168675 Signal Letters 2 DKS. Extreme Breadth over Belting ☒ (Circ. 1611) Over-all Length 420'-0" (Circ. 1705)
No. and Material of Decks 2 DKS.
Parts of Bottom of Vessel coated with cement or approved composition Portland Cement in N° 2, 3 & 4 Double Bottom Tanks & in Peaks.
Elsewhere cement wash.
Particulars of composition (if fitted) and of approval ☒

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>117.0</u>	<u>392.0</u>	Fore peak tank,	<u>23'</u>	<u>169</u>
Double bottom, under Engines and Boilers,			After peak tank,	<u>28'</u>	<u>210</u>
Double bottom, <u>N</u> under Engines <u>only</u> ,	<u>22.5</u>	<u>119.0</u>	Deep tank, aft,		
Double bottom, <u>N</u> under Boilers <u>only</u> , <u>DRY TANK (N.T.C)</u>	<u>18.0</u>		Deep tank, forward,		
Double bottom, forward,	<u>186.75</u>	<u>787.0</u>	Other tanks, if fitted,		
Total length (if continuous) and Capacity <input checked="" type="checkbox"/>	<u>344.25</u>	<u>1298.0</u>	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 6527

Date 9.4.40

Dates of Surveys held while building

1940 Feb: 2.28 Mar: 11.15 Apr: 5.9.15.22.24.29 May: 14.16.21.22 June: 5.12.18 July: 1.9.11.15.17.24
26.30 Aug: 2.5.8.12.14.21.28.29 Sep: 3.6.18.24 Oct: 3.10.18.25.30 Nov: 6.12.19.25.27.29 Dec
2.6.12.16.18.24.26 (1941) Jan: 6.8.10.15.16.17.20.22.25.29.30 Feb: 3.10.12.14.18.19.20.24.25
27.28 Mar: 2.6.19.21.27 Apr: 1.4.10.11.12.15.19.22

Total No. of Visits 90