

STEEL STEAMER or ~~MOTORSHIP~~

Received at London Office 5 JUN 1929

State of Report has been sent on the Freeboard of the Vessel *yes*
 State of Report is sent on the Machinery of the Vessel *yes*

Date of completion of report _____ Port of *Glasgow* No. *49280*
 Survey held at *Glasgow* Date First Survey *9.10.28* Last Survey *31st May 1929*
 On the *Single* *S.S. BENWYVIS*
 State Type *Vessel built to 1921-2 Rules* State Type of Erections *Sup. Bridge & Hull*
 TONNAGE under Tonnage Deck... *5528.18* CLASS ** 100 A.1* State if with freeboard as condition of Class *no* Built at *Glasgow*
 Do. of space or spaces between Tonnage Dk. and Upper Dk. *✓* Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1g) *428.0* Launched *9th April 1929* Yard No. *414*
 Total Breadth (greatest moulded) *53.7* Builders *Chas Connell & Co Ltd*
 Gross Tonnage *5920.18* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *32.25* Owners *Ben Line Steamers Ltd*
 Register Tonnage *3750.92* 1st Longitudinal Number (L x D) *transverse 85.95* Managers *H. Thomson & Co*
 LONGITUDINAL *36/86* (Where necessary to be entered in Reg. Book.)
 REGISTERED DIMENSIONS. FEET.
 Length *429.0* Framing Depth "d," at middle of length. See Sec. 3 (1d) *18.84* Residence *Leith*
 Breadth *53.95* Proportions—Depth to Length—Uppermost continuous deck to top of keel *18.27* Port of Registry *Leith*
 Depth *30.05* Draught Moulded *26.0 1/4* If surveyed while building afloat, *yes*

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	<i>27</i>		Bracket Floors, Frame	<i>1 1/2 8 1/2 42</i>	
" " from 3/4 length to Collision bulkhead	<i>27</i>		" " Reversed Frame	<i>1 3 40</i>	
" " in peaks	<i>24</i>		" " Vertical Struts	<i>1 3 40</i>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>42 1 52</i>	
Frame Amidships, Angle <i>E</i> or <i>[</i>	<i>10 3 1/2 58</i>		" " top Angles	<i>one 4 1/2 4 1/2 60</i>	
" " Extends up to <i>Main & Up to all 54</i>			" " bottom Angles	<i>two 4 1/2 4 1/2 60</i>	
Reversed Frame Amidships, Angle	<i>✓</i>		Side Girders, No. each side and thickness	<i>two 40</i>	
" " Extends up to...	<i>✓</i>		Margin Plate depth (excl. of flange) and thickness	<i>38 48</i>	
Depth of Framing Girder	<i>10</i>		" " Vertical Angle to Tank side	<i>5 5 50</i>	
Frames in Uppermost Continuous 'tween Decks, Angle <i>E</i> or <i>[</i>	<i>10 3 1/2 58</i>		" " Bracket abaft 1/2 len. from stem	<i>5 5 50</i>	
" " Second 'tween Decks, Angle <i>E</i> or <i>[</i>	<i>7 3 1/2 40</i>		" " Vertical Angle to Tank side	<i>5 5 50</i>	
" " Third " " "	<i>6 1/2 3 1/2 58</i>		" " Bracket forward 1/2 len. from stem	<i>5 5 50</i>	
Framing in Peaks, Angle or <i>[</i>	<i>7 1/2 3 1/2 44</i>		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>30 x 20 x 40 50" apart</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>1" and 7/8" 5 1/2</i>		" " Gussets, spacing and scantling forward 1/2 len. from stem	<i>do</i>	
State if Frame Joggled	<i>Yes</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>6 1/2 1 50</i>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>2 tiers beams 2 tiers stringers as per plan 1 half height 1 full height</i>		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>inflated each side bottom frames double thru struts plate plating 2 1/2" thick back to bulkhead</i>		Breadth and thickness of Middle Line Strake	<i>7/2 x 50</i>	
SINGLE BOTTOM.			Thickness of remainder in Holds	<i>40</i>	
Floors, Depth and thickness at mid line in Holds			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?	<i>Yes</i>	
Height of Brackets at side above base line at toe of frame			BEAMS.		
Middle Line Keelson, on Floors, Angles, <i>[</i> or <i>E</i>			Uppermost Continuous Deck, amidships in Wells, Angle <i>E</i> or <i>[</i>	<i>8 3 42</i>	
" " Through Plate or Intercoastal Plate			" " in way of Bridge, Angle <i>E</i> or <i>[</i>	<i>8 3 42</i>	
" " Foundation Plate on Floors			Spacing	<i>27</i>	
" " Flat Plate Keel Angles			Second Deck, amidships, Angle <i>E</i> or <i>[</i>	<i>12 x 3 1/2 x 3 1/2 46</i>	
Side Keelsons, No. each side			Spacing	<i>54</i>	
thickness of Intercoastal Plate			Third Deck, amidships, Angle, <i>[</i> or <i>E</i>		
Angles			Spacing		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, <i>[</i> or <i>E</i>		
Solid Floors, thickness and spacing	<i>40 0 51</i>		Spacing		
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>		Poop Deck, Angle <i>E</i> or <i>[</i>	<i>9 3 38</i>	
Bracket Floors, breadth and thickness at middle line	<i>36 x 40</i>		Spacing	<i>54" and 48"</i>	
" " breadth and thickness at margin plate	<i>36 x 40</i>		Bridge Deck, Angle, <i>E</i> or <i>[</i>	<i>8 3 40</i>	
			Spacing	<i>27</i>	
			Forecastle Deck, Angle, <i>E</i> or <i>[</i>	<i>9 x 3 1/2 x 3 1/2 42</i>	
			Spacing	<i>54" and 48"</i>	

PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS: No. of Rows.....	<i>Two rows of</i>		Stringer Plate, breadth and thickness in way of Bridge	<i>48 x 44</i>	
" in 'tween Decks, Size and Spacing.....	<i>Widely Spaced</i>		Thickness of Plating abreast Deck openings in way of Wells	<i>40</i>	
" " " " " "	<i>Pillars with</i>		Thickness of Plating abreast Deck openings in way of Bridge	<i>40</i>	
" in Holds " " "	<i>deck girders as per app^d plan</i>		Thickness of Plating within line of openings...	<i>40</i>	
" " " " " "			If Sheathed, material and thickness	<i>✓</i>	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....		
Plating, thickness of			If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	<i>63 x 68</i>		If Plated, state thickness.....		
" " " " in way of Bridge	<i>63 x 48</i>		Poop Deck.		
" Angle in Wells	<i>5 5 70</i>		Stringer Plate, breadth and thickness	<i>36 x 36</i>	<i>34</i>
Thickness of Plating abreast Deck openings in way of Wells	<i>50</i>		Plating, Sheathing, material and thickness	<i>34</i>	
Thickness of Plating abreast Deck openings in way of Bridge	<i>42</i>		Bridge Deck.		
Thickness of Plating within line of openings...	<i>50</i>		Stringer Plate, breadth and thickness.....	<i>66 x 54</i>	
If Sheathed, material and thickness	<i>✓</i>		Plating, Sheathing, material and thickness	<i>40</i>	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	<i>48 x 48</i>		Stringer Plate, breadth and thickness.....	<i>36 x 36</i>	
			Plating, Sheathing, material and thickness	<i>26</i>	
				<i>5 x 3 P.P.</i>	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>No</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	<i>48</i>	<i>1.06</i>	<i>.74</i>	<i>.74</i>		<i>Double</i>	<i>1</i>	<i>3 7/8</i>	<i>Quint</i>	<i>1 1/2</i>	<i>4 1/2</i>	<i>Lapped</i>
„ DBLG. (if any)		<i>✓</i>										
BOTTOM PLATING, No. of Strakes		<i>66</i>	<i>.48</i>	<i>.48</i>		<i>„</i>	<i>7/8</i>	<i>3 3/8</i>	<i>Quad</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Lapped</i>
BILGE PLATING, No. of Strakes		<i>66</i>	<i>.48</i>	<i>.48</i>		<i>„</i>	<i>„</i>	<i>„</i>	<i>„</i>	<i>„</i>	<i>„</i>	<i>„</i>
SIDE PLATING, No. of Strakes		<i>66</i>	<i>.46</i>	<i>.46</i>		<i>„</i>	<i>„</i>	<i>„</i>	<i>Treble</i>	<i>„</i>	<i>3 3/8</i>	<i>„</i>
UPPER DECK, Sheer-strake in Wells.....	<i>63</i>	<i>1.08</i>	<i>.46</i>	<i>.46</i>	<i>54 x 1.08</i>	<i>„</i>	<i>1 1/8</i>	<i>4 1/2</i>	<i>Quint</i>	<i>1 1/8</i>	<i>4 1/2</i>	<i>„</i>
UPPER DECK, Sheer-strake in Bridge ...	<i>54</i>	<i>.66</i>				<i>„</i>	<i>7/8</i>	<i>3 3/8</i>	<i>Treble</i>	<i>7/8</i>	<i>3 3/8</i>	<i>„</i>
STRAKE BELOW Sheer-strake in Wells.....		<i>.86</i>	<i>.46</i>	<i>.46</i>		<i>„</i>	<i>1</i>	<i>3 7/8</i>	<i>Quad</i>	<i>1</i>	<i>4</i>	<i>„</i>
STRAKE BELOW Sheer-strake in Bridge ...		<i>.66</i>				<i>„</i>	<i>7/8</i>	<i>3 3/8</i>	<i>Treble</i>	<i>7/8</i>	<i>3 3/8</i>	<i>„</i>
POOP SIDE PLATING				<i>.40</i>		<i>Single</i>	<i>3/4</i>	<i>3</i>	<i>Double</i>	<i>3/4</i>	<i>2 5/8</i>	<i>„</i>
BRIDGE SIDE PLATING ...	<i>70 and .66</i>					<i>Double</i>	<i>1</i>	<i>3 7/8</i>	<i>Quad</i>	<i>1</i>	<i>4</i>	<i>„</i>
FORECASTLE SIDE PLATING			<i>.42</i>			<i>Single</i>	<i>3/4</i>	<i>3</i>	<i>Double</i>	<i>3/4</i>	<i>2 5/8</i>	<i>„</i>

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	<i>6</i>
Extending to Upper Deck (Sec. 3 c)	<i>5</i>
" Deck next below	<i>1</i>
As per Rule	<i>4</i>

STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.		Spacing.		Scantlings.		Spacing.	
		Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
MIDSHIP BULKHD, Upper tween decks	<i>26</i>	<i>flang 5 1/2</i>	<i>30</i>						
" " Second	<i>✓</i>								
" " Third	<i>✓</i>								
" " Holds	<i>40 x 36 12 1/2 x 34 1/2 - 30</i>								
COLLISION " (in Hold)	<i>40 x 38 12 1/2 x 34 1/2 - 24</i>	<i>9 1/2 x 44</i>	<i>4 1/2</i>						
AFTER PEAK "	<i>40 x 34 9 1/2 x 44 1/2 - 24</i>	<i>Sumel flat</i>							

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	<i>Flat</i>	<i>Real Plate</i>		
STEM	<i>Rolled Steel</i>	<i>10 x 2 1/2</i>		
STERN FRAME { Propeller Post	<i>Steel</i>	<i>10 1/2 x 8</i>	<i>Darlington Forge</i>	
{ Rudder	<i>Forging</i>	<i>9 x 8</i>		
RUDDER—A x D.....	<i>500</i>			
Speed of Vessel	<i>not exceeding 17 Knots</i>			
RUDDER mainpiece at head ...	<i>Steel</i>	<i>10"</i>	<i>Inland Forge &</i>	
" " heel ...	<i>Forging</i>	<i>7 1/2</i>	<i>Wittkowski</i>	
" how constructed	<i>Circular Stock Shrink on Arms</i>			
" double or single plate	<i>Single Plate 1.1</i>			
" coupling, vertical or horizontal	<i>Vertical</i>			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Guichhoffnungshutte - Obduhren, David Colville & Son, Motherwell, Lanarkshire Steel Co. Sormann Long & Co. Middlesbrough - Portmunder Union Stahlwerke - Hörde,*

Has the Steel been tested as required by the Rules? *Yes*

-5 JUN 1929

EQUIPMENT No. 38434

LETTER A 7

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.				
62219	1st Bower ...	84	2	0	-	-	-	60	10	0	0	68-0-0	Stockless	S. Taylor & Son	Sept 10 ⁵ / ₂₉ W. Q. Dwyer	
62214	2nd "	84	1	7	-	-	-	60	10	0	0	68-0-0	"	do	do	" 9 ²⁹ / ₂₉ do
62211	3rd "	60	1	21	-	-	-	45	12	2	0	58-10-0	"	do	do	" 8 ²⁹ / ₂₉ do
	Collective weight.	229	1	0								194-10-0				
62143	Stream	19	3	24	5	1	24	20	15	0	0	19-0-0	Ordinary	do	do	" 25 ²⁹ / ₂₉ do

CHAIN CABLES.

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire.	Length and size per Table 53.	
	Length.	Diam.	Statu-tory.	Break-ing.	Supplied.	Per Rule.		Length.	Diam.					Length.	Ins.	Tons.	Length.	Ins.
4064	270	2 ⁵ / ₁₆	96 ¹ / ₄	134 ³ / ₄	735-0-9	720-3-0	270	2 ⁵ / ₁₆	270	2 ⁵ / ₁₆	S. Taylor & Son	10 ⁵ / ₂₉ L. Haffner	TOWLINE	120	5 ¹ / ₄	80 ¹ / ₂	120	5 ¹ / ₄
													HAWSERS & WARPS	105	3 ¹ / ₂	26	105	3 ¹ / ₂
														90	2 ³ / ₄	15 ¹ / ₂	90	2 ³ / ₄
														2-90	7	2-90	7	7
Iron Stream Chain or Steel Wire	90	5	73					90	5									

Steering Gear, Steam

Caldwell & Co. aft.

Steering Gear, Hand Control & Prop and Releasing tackle

Boats

Four

Steering Chains, Size and Test

no chains

Windlass Clarke Chapman Steam

Ceiling in Holds, thickness and material

none

Cargo Battens, thickness, material and spacing

6 x 2 P. spaced 9"

Cargo Hatchways.-(Upper Deck)

Steel beamings 30" x 44

Thickness of Hatches

2 1/2" pine

Size of No. 1 Hatchway (Forward)

27'0" x 18'0" No. 2 31'6" x 18'0" No. 3 39'0" x 18'0" No. 4 41'3" x 18'0" No. 5 31'6" x 18'0" No. 6 27'0" x 18'0"

Number of Shifting Beams and/or Fore and Afters

5 Shifting Beams in N^o 1, 2, 3, 4, 5, and 1 only in N^o 4-5

Builder's Signature

For CHARLES CONNELL & CO., Limited.

Secretary

SECRETARY.

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *no* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *no* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

The Workmanship and Material are good - This vessel has been built in accordance with the approved plans, the Secretary's letters of various dates and in general conformity with the Rules of 1921-2 - The double bottom tanks, the deep tank, and after peak tanks have been tested as required by the Rules - The weather decks, and the tunnel have been hose tested with satisfactory results - The foreboard has been verified, and the marks cut in on the vessel sides - The bottom forward of 3/5th length has been strengthened in accordance with Rules

Copy of letter from owners approving bulkhead arrangement is enclosed -

The amount of Entry Fee £ 9 : 0 : 0

Fees applied for, 1 JUN 1929

Special Survey Fee £ 348 : 0 : 0

Received by me, 6.6.29

Foreboard - Travelling Expenses if any £ 10 : 1 : 8

I am of opinion the Vessel should be Classed * 100 A.1. 1 Inter² bulkh² for², and 1 tween deck bulkh² dispensed with - 5 bulkh² to Upp. DK, 1 bulk² to second DK

State whether the Vessel has been built under Special Survey

Yes.

Signature

Albert Dawke

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

Date of issue

11/6/29

Committee's Minute

GLASGOW 4 JUN 1929

Character assigned

* 100 A1.

5.29

Lloyd's A+C.P.

+ L.M.C. 5.29.7D

1 Int. B.H. fore² & 1 Tw. DK. B.H. aft dispensed with 5 B.H. to Upper DK, 1 B.H. to 2nd DK

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.)

Sister Vessel - Bencruachan Gls Report N^o 48434
Benmohr " " 47940
Benvenue " " 46855

The approved Plans as noted below are forwarded herewith -
Midship section as built forwarded in advance.

- ✓ 1 Midship Section
- ✓ 1 Profile
- ✓ 1 Deck Plans
- ✓ 1 Budget for Aug^r N^o 414
- ✓ 1 Bulkheads
- ✓ 1 Panting Aug^r
- ✓ 1 Hatch Webs
- ✓ 1 Strengthening of bottom for^d
- ✓ 1 Sternpost and Rudder
- ✓ 1 Deep Tank
- ✓ 1 Pillar & Guides
- ✓ 1 Masts
- ✓ 1 Tunnel Plan
- ✓ 1 Siller
- ✓ 1 Quadrant
- ✓ 1 Pumping Plan

- Reports
- 1 Stern Frame
 - 1 Rudder
 - 1 Siller & Quadrant

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	Head & Shafts. Forged open heart Ingot Steel. Shackles - Unwelded Steel		
	2nd "	do	do	do
	3rd "	do	do	do

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 35.0 ft., R.Q.D. 5 ft., Bridge 145.25 ft., Forecastle 47.5 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 2 Sts Steel

Official No. 160659 ; Signal Letters Is bottom of Vessel coated with cement Cement fillets at Ramm & Bula Space Cemented if not give

PARTICULARS OF WATER BALLAST.—					
Where Fitted.	Length.		Where Fitted.	Length.	
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	115	290	Fore peak tank,	✓	32
Double bottom, under Engines and Boilers,	57	217	After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,	✓	949
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	205	646	Other tanks, if fitted,	✓	
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		
			1148		

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

Order for Special Survey No. 5940
Date 13.9.28
Dates of Surveys held while building
1928 Oct. 9. 12. 17. 22. 28 Nov. 8. 13. 20. 28 Dec. 10. 12. 17. 25 (1929) Jan. 7. 10. 15. 23. 28 Feb. 1. 12. 20. 25. 28
Mar. 4. 18. 20. 25. 28 Apr. 5 May 2. 6. 14. 17. 20. 24. 28. 31
Lloyd's Register Foundation
Total No. of Visits 38