

STEEL STEAMER ~~OR~~ MOTORSHIPState if Report has been sent on the Freeboard of the Vessel *Yes*Received at London Office *11 JAN 1926*State if Report is sent on the Machinery of the Vessel *Yes*

Date of completion of report

Survey held at *Glasgow*Port of *Glasgow*Date First Survey *26. 3. 25*No. *45290*

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

*(Machinery not fitted aft)*Last Survey *4th Jan.*

1926

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

*Vessel built to 1921-2 Rules*State Type of Erections *Pop. Br. & File*

TONNAGE under Tonnage Deck

*5435.39*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.

Total

Gross Tonnage

5800.10

Register Tonnage

3684.09

REGISTERED DIMENSIONS.

FEET.

Length

420.2

Breadth

54.0

Depth

29.9

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

FEET.

L 419.0

Breadth (greatest moulded)

B 53.7

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

*D 32.27*1st Longitudinal Number (L x D) *Transverse**85.99*

2nd Numerical L x (B + D)

36021

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

18.89

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

12.98

Do. Long Bridge to top of keel

10.4

Draught Moulded

*25-11³/₄*Launched *26th Nov. 1925* Yard No. *405*Builders *Charles Connell & Co. Ltd.*Owners *Ben Line Steamers Ltd.*Managers *Wm. Thomson & Co.*

(Where necessary to be entered in Reg. Book.)

Residence *Leith*Port of Registry *Leith*If surveyed while building, *and* *float*, or in dry dock*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>24</i>		Bracket Floors, Frame	<i>7 1/2 3 1/2 42</i>	
" " from 1/4 length to Collision bulkhead	<i>27</i>		" " Reversed Frame	<i>7 3 40</i>	
" " in peaks	<i>24</i>		" " Vertical Struts	<i>7 3 40</i>	
DE FRAMING.			Centre Girder, depth and thickness amidships	<i>44 x 52</i>	
Frame Amidships, Angle, E or F	<i>10 3 1/2 58</i>		" " top Angle	<i>one 4 1/2 4 1/2 60</i>	
" " Extends up to <i>2nd Deck + Bridge deck</i>			" " bottom Angles	<i>two 4 1/2 4 1/2 60</i>	
Reversed Frame Amidships, Angle	<i>3 3 1/2 38</i>		Side Girders, No. each side and thickness	<i>two 40</i>	
" " Extends up to <i>upper deck</i>			Margin Plate depth (excl. of flange) and thickness	<i>38 x 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, E or F	<i>10 3 1/2 58</i>		" " Bracket abaft 1/4 len. from stem	<i>3 1/2 3 1/2 40</i>	
" " Second 'tween Decks, Angle, E or F	<i>7 3 1/2 40</i>		" " Vertical Angle to Tank side	<i>5 5 50</i>	
" " Third			" " Bracket forward 1/4 len. from stem	<i>30 x 24 x 40</i>	
Framing in Peaks, Angle or F	<i>A.P. 6 1/2 3 1/2 38</i>		" " Gussets, spacing and scantling abaft 1/4 len. from stem	<i>54" apart</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7 1/2 angle 3 1/2 44</i>		" " Gussets, spacing and scantling forward 1/4 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>67 x 40</i>	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	<i>2 tiers beams 2 side stringers no per plan 1 half height 1 full height full each side Bottom frames doubled 3 stringers plating 1/8" thickness to Collision Bulk.</i>		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars			Breadth and thickness of Middle Line Strake	<i>7 1/2 x 50</i>	
ANGLE 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, E or F			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	<i>8 3 42</i>	
" " Through Plate or Intercoastal Plate			" " in way of Bridge, Angle, E or F	<i>8 3 42</i>	
" " Foundation Plate on Floors			Spacing	<i>27</i>	
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, E or F	<i>10 3 1/2 56</i>	
Side Keelsons, No. each side			Spacing	<i>11 x 3 1/2 x 3 1/2 x 60</i>	
" " thickness of Intercoastal Plate			Third Deck, amidships, Angle, E or F		
" " Angles			Spacing		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, E or F		
Solid Floors, thickness and spacing	<i>40 81</i>		Spacing		
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>		Poop Deck, Angle, E or F	<i>8 3 56</i>	
Bracket Floors, breadth and thickness at middle line	<i>36 x 40</i>		Spacing	<i>54 9 48</i>	
" " breadth and thickness at margin plate	<i>36 x 40</i>		Bridge Deck, Angle, E or F	<i>8 3 40</i>	
			Spacing	<i>27</i>	
			Forecastle Deck, Angle, E or F	<i>9 x 3 1/2 x 3 1/2 x 42</i>	
			Spacing	<i>54 9 48</i>	

W1176 401552

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.....	Two rows of					Stringer Plate, breadth and thickness in way of Bridge			
" in 'tween Decks, Size and Spacing.....	widely spaced					Thickness of Plating abreast Deck openings in way of Wells			
" " " " " "	pillars with					Thickness of Plating abreast Deck openings in way of Bridge			
" in Holds " " " "	deck girders as per app ^d plan					Thickness of Plating within line of openings			
" " " " " "						If Sheathed, material and thickness			
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	61 x 62					If Plated, state thickness			
" " " " in way of Bridge	61 x 48					Poop Deck.			
" Angle in Wells	5 5 70					Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells	5 and 48					Plating, Sheathing, material and thickness			
Thickness of Plating abreast Deck openings in way of Bridge	44, 38, 42 44, 38					Bridge Deck.			
Thickness of Plating within line of openings	44 to 36					Stringer Plate, breadth and thickness			
If Sheathed, material and thickness						Plating, Sheathing, material and thickness			
Second Deck.						Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells	48 x 48					Stringer Plate, breadth and thickness			
						Plating, Sheathing, material and thickness			

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>No.</i>	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	48	1 10 4	72	72	✓	Double	1	3 6 7	Four	1 8	4 2	<i>lapped</i>	
„ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes <i>Three</i>	✓	66	48	48	✓	1	7 8	3 3 8	Four	7 8	3 2	<i>lapped</i>	
BILGE PLATING, No. of Strakes <i>Two</i>	✓	66	48	48	✓	1	1	1	1	1	1	1	
SIDE PLATING, No. of Strakes <i>Four</i>	✓	66	46	46	✓	1	1	1	Three	1	3 8	1	
UPPER DECK, Sheer- strake in Wells.....	57	94	46	46	✓	1	1 8	4 2	Five	1 8	4 4	1	
UPPER DECK, Sheer- strake in Bridge ...	1	66	46	46	✓	1	7 8	3 3 8	Three	7 8	3 8	1	
STRAKE BELOW Sheer- strake in Wells.....	48	76	46	46	✓	1	1	1	Four	1	4	1	
STRAKE BELOW Sheer- strake in Bridge ...	1	66	46	46	✓	1	1	1	Three	1 7 8	3 8	1	
POOP SIDE PLATING			38		✓	Single	3 4	3	Two	3 4	2 5 8	1	
BRIDGE SIDE PLATING ...	70 & 66				✓	Double	1	3 6 7	Four	1	4	1	
FORE'C'TLE SIDE PLATING			42		✓	Single	3 4	3	Two	3 4	2 5 8	1	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	Six
Extending to Upper Deck (Sec. 3 c)	Five
" Deck next below	One
As per Rule	Seven

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks	26	5 1/2	flanges 30		
" " Second					
" " Third					
" " Holds	36	11 3/4	25 1/2	36	28 1/2
COLLISION " (in Hold)	40 1/2	38	12 1/2	35 1/2	24 1/2
AFTER PEAK	36 1/2	34	9 1/2	44	24

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Roller			
STEM	Steel	10 x 2 1/2		
STERN FRAME	Propeller Post	Steel	10 1/2 x 8	Kruschke
	Rudder	Forging	9 x 8	Sohn
RUDDER-A x D		492		
Speed of Vessel		11 knots		
RUDDER mainpiece at head	Steel	10	Kruschke	
" " heel	Forging	7 1/2	Sohn	
" how constructed	Circular Stock	shrunk on arms		
" double or single plate coupling, vertical or horizontal	Single plate	Vertical		

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) (Open hearth process)
 STEEL. Cargo Fleet Iron Co. D. Colville & Sons, Pease and Partners Ltd. Lanarkshire Steel Co.
 Beardmore & Co. Steel Company of Scotland. Rheinische Stahlwerke, Phoenix, Düsseldorf Röhren und Eisen-Werke
 Schiffbau-Stahl-Verkaufsgesellschaft, Kiel
 Has the Steel been tested as required by the Rules? Yes.

x Midship thickness maintained forward to Collision bulkhead

EQUIPMENT No. 37556										LETTER Z				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.					
87854	1st Bower ...	80	1	0	Stockless			59	0	0	0	63 3/4	Taylor's Dreadnought	Taylor & Sons	Vethinton	26/8/25	Green
87853	2nd „ ...	79	3	0	do			58	10	0	0	63 3/4	do	do	do	25/8/25	do
87855	3rd „ ...	56	0	10	do			46	1	2	7	54 1/2	do	do	do	26/8/25	do
	Collective weight	216	0	10								✓ 182		do	do		
87989	Stream	18	0	23	14	2	23	19	4	1	14	17.2.0	Ordinary	Angley & Sons	do	31/10/25	do
CHAIN CABLES																	

CHAIN CABLES.										HAWERS 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.	
	Fathoms.	Diam.	Tons.	Tons.	Cwts.	qrs.	lbs.	Fathoms.	Diam.						Fathoms.	Ins.		Fathoms.	Ins.
76925	135	2 1/4	9 1/2	12 1/2	344	2	7	270	2 1/4	Spud link	Angley & Sons	25/10/25	Green	TOWLINE	120	5	73	120	5
76928	135	2 1/4	"	"	344	3	15	"	"	do	do	do	5/11/25	HAWERS & WARPS	105	3 1/2	26	2-90	2 3/4
Iron Stream chain or Steel Wire															90	2 3/4	15 1/2	2-90	8
	90	4 1/2		47				90	4 1/2	Shut wire	Thomson, Black & Co.				2-90	7	Amila		

Steering Gear, Steam *Caldwell & Co.* *Emergency* Steering Gear, Hand *Efficient*

Boats *Four* Steering Chains, Size and Test *no chains* Windlass *Clarke Chapman & Co.*

Ceiling in Holds, thickness and material *Over lumber only 2 1/2 P.* Cargo Battens, thickness, material and spacing *6 x 2 P. 9" spaces*

Cargo Hatchways. (Upper Deck) *Steel coverings 30' x 44'* Thickness of Hatches *2 1/2 pine*

Size of No. 1 Hatchway (Forward) *27' x 18'* No. 2 *31' 6" x 18'* No. 3 *4' 6" x 12'* No. 4 *13' 6" x 18'* No. 5 *31' 6" x 18'* No. 6 *27' x 18'*

Number of Shifting Beams and/or Fore and Afters *5 transverse webs in Nos. 1, 2, 5 and 6 hatches, none in No. 3, and 2 in No. 4 hatch. No fore and afters*

Builder's Signature *W. W. Callum* SECRETARY.

GENERAL DECLARATION *The workmanship and the materials 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 (1921-2). The double bottom tanks, the deep tank, and aft peak tank have been tested, as required by the Rules. The weather decks and the tunnel have been hose tested with satisfactory results. The freeboards have been verified and the marks cut in on the vessels' sides. The bottom forward of the 3/5th length has been strengthened in accordance with the Rules. The approved plans, as noted on the back of the report, are forwarded herewith. Vessel is a sister ship of the S. S. "Benloch," the same builders No. 395, report No. 41596.*

Checked from "Benloch"

The amount of Entry Fee £ 9 : 0 : 0
Special Survey Fee £ 345 : 0 : 0
Freeboard
Travelling Expenses, if any £ 11 : 0 : 0

Fees applied for, 12 JAN 1926
Received by me, 19

I am of opinion the Vessel should be Classed ** 100 A.1.*
Intermediate B.H. in forward hold and intermediate
from deck hold in after hold, dispensed with
5 B.H. to upper deck, 1 B.H. to second deck only
1 Int. B.H. forward and 1 Tween dk B.H. aft
dispensed with; 5 B.H. to upper dk and 1 B.H. to second dk.

State whether the Vessel has been built under Special Survey

H & M Certificate to be sent to GLASGOW

Date of issue

15/1/26

Signature

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE. 19 JAN 1926

Character assigned ** 100 A.1.*

1,26

Lloyd's acc.

+ L M C 1,26 70

Intermediate B.H. in forward hold & intermediate Tween B.H. B.H. in
after hold dispensed with 5 B.H. to upper dk. 1 B.H. to 2nd dk. only.

1 Intermediate B.H. forward & 1 Tween dk. B.H. aft dispensed with;
5 B.H. to upper dk & 1 B.H. to 2nd dk.

Write G.L. (26.1.26)

Lloyd's Register Foundation

W1176-0155

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.)

List of Plans

Midship Section

do , vessel as built

Profile

do

do

Deck plans

Bulkheads

Painting Arrangements

Hatch Webs

Strengthening of bottom forward

Sternpost and Rudder

Deep Tank

Pillars and Girders

do

, vessel as built

Masts

Rearrangement of Shell plating (S.S. Bennoch only)

Steel Tiller (2 plans)

Quadrant (2 plans)

Ventilators

Pumping Arrangements

Reports

Stern Frame

Rudder

Quadrant Tiller

Particulars of **Drop Test** of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials,
Number of Certificate, Date
of Test.

1st Bower

2nd "

3rd "

Taylor's Deadweight (forged open hearth ingot steel) anchors

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 35.08 ft., B.D. ft., Bridge 128.5 ft., Forecastle 43.5 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 decks Steel

Official No.

Signal Letters

particulars of composition

Is bottom of Vessel coated with cement and butts. if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	115	312	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,	10	32
Double bottom, if under Engines only,	27	112	Deep tank, aft,	31.5	960
Double bottom, if under Boilers only, <i>dry tank (tested)</i>	25		Deep tank, forward,		
Double bottom, forward,	196	625	Other tanks, if fitted,		
Total capacity of double bottom		1050	(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. 5663

Date

27. 11. 24.

Dates of Surveys held while building

1925. March 26-31, April 15-17, 21-23, 27. May 1-5, 18-21, 25-27. June 2-4, 11-19, 24.
July 1-2, 8-13, 15. Aug 4-11, 14-19, 25. Sept 2-3, 9-10, 15-22, 30.
Oct 5-6, 12-13, 15-19, 22-27, 28. Nov 2-11, 13-16, 17-20, 21-22 (Leith 4/1/26.)

Total No. of Visits

56