

STEEL STEAMER or MOTORSHIP

Received at London Office

27
26 JUL 1927

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

Date of completion of report

13th July 1927

Port of

Glasgow

No. 46855

Survey held at

Glasgow

Date First Survey

29th June 1926

Last Survey

11th July

1927

On the

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

(Machinery not fitted aft)

S.S. "BENVENUE"

State Type

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

Vessel built to 1921-2 Rules

State Type of Erections

Poop Br & Aisle

TONNAGE under
Tonnage Deck

5528.18

CLASS

+100 A1

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

5919.59

Register Tonnage

3750.49

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

L 428.0

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 32.25

1st Longitudinal Number (L x D)

= 85.95

Longitudinal
2nd Numerical L x (B + D)

= 36786

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

18.87

Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel

13.27

Do. Long Bridge to top
of keel

10.64

Draught Moulded

26' 0 1/4

Launched 14th June 1927 Yard No. 407

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, afloat, 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	27		Bracket Floors, Frame	7 1/2 3 1/2 42	
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame	7 3 40	
" " in peaks	24		" " Vertical Struts	7 3 40	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42 x 52	
Frame Amidships, Angle [or]	10 3 1/2 58		" " top Angle	one 4 1/2 4 1/2 60	
" " Extends up to main dk & upper dk alternately			" " bottom Angles	two 4 1/2 4 1/2 60	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	two 40	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	38 x 48	
Depth of Framing Girder	10		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	5 5 50	
Frames in Uppermost Continuous 'tween' Decks, Angle [or]	10 3 1/2 58		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 1/2 3 1/2 42	
" " Second 'tween Decks, Angle [or]	17 3 1/2 40		" " Gussets, spacing and scantling abaft 1/2 len. from stem	30 x 20 x 40 54 " apart	
" " Third " " "	6 1/2 3 1/2 38		" " Gussets, spacing and scantling forward 1/2 len. from stem	do.	
Framing in Peaks, Angle or [	7 1/2 3 1/2 44		Tank Side Brackets, height above base line at toe of Frame and thickness	66 1/2 x 40	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	1" x 7/8		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes.		Breadth and thickness of Middle Line Strake	72 x 50	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	2 trans beams 2 side stringers as per plan		Thickness of remainder in Holds	40	
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	1 half height 1 full height internal each side Bottom frames doubled Three transverse shell plates P.S. midships thence to Collision Bulk.		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?	Yes.	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle [or]	8 3 42	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle [or]	8 3 42	
Middle Line Keelson, on Floors, Angle [or]			Spacing	27	
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle [or]	12 x 3 1/2 x 3 1/2 x 46	
" " Foundation Plate on Floors			Spacing	54	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle [or]		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle [or]		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle [or]	9 3 38	
Solid Floors, thickness and spacing	40 @ 81		Spacing	54 x 48	
" " Are Frame and Reversed Frame joggled?	Yes		Bridge Deck, Angle [or]	8 3 40	
Bracket Floors, breadth and thickness at middle line	36 x 40		Spacing	27	
" " breadth and thickness at margin plate	36 x 40		Forecastle Deck, Angle [or]	9 x 3 1/2 x 3 1/2 x 42	
			Spacing	54 x 48	

PILLARS AND DECKS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
PILLARS , No. of Rows.....	Two rows of			
" in 'tween Decks, Size and Spacing.....	widely spaced			
" " " " " "	pillars with			
" in Holds " " " "	deck girders			
" " " " " "	as per			
	approved plan			
Centre Line Bulkhead.				
Stiffeners and Spacing.....	✓			
Plating, thickness of	✓			
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	63 x .68	✓		
" " " " in way of Bridge	63 x .48	✓		
" Angle in Wells	5 5 .70	✓		
Thickness of Plating abreast Deck openings in way of Wells .....	.50	✓		
Thickness of Plating abreast Deck openings in way of Bridge .....	.42	✓		
Thickness of Plating within line of openings...	.50			
If Sheathed, material and thickness	✓			
Second Deck.				
Stringer Plate, breadth and thickness in Wells...	48 x .48	✓		
Stringer Plate, breadth and thickness in way of Bridge				
Thickness of Plating abreast Deck openings in way of Wells				
Thickness of Plating abreast Deck openings in way of Bridge				
Thickness of Plating within line of openings...				
If Sheathed, material and thickness				
Third Deck.				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness.....				
Fourth Deck.				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness				
Poop Deck.				
Stringer Plate, breadth and thickness	36 x .36	✓		.34
Plating, Sheathing, material and thickness ...	.34	✓		
Bridge Deck.				
Stringer Plate, breadth and thickness.....	66 x .54	✓		
Plating, Sheathing, material and thickness ...	.40	✓		
Forecastle Deck.				
Stringer Plate, breadth and thickness.....	36 x .36	✓		
Plating, Sheathing, material and thickness ...	plating .25 sheathed 5x3 PP	✓		

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled?			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.								
FLAT PLATE KEEL	48	1.06	.74	.74		Double	1	3 3/4	Quint.	1 1/8	4 1/2	Lapped
„ DBLG. (if any)	✓											
BOTTOM PLATING, No. of Strakes .....		.66	.48	.48		„	7/8	3 3/8	Quad.	7/8	3 1/2	„
BILGE PLATING, No. of Strakes .....		.66	.48	.48		„	„	„	„	„	„	„
SIDE PLATING, No. of Strakes .....		.66	.46	.46		„	„	„	Treble	„	3 1/8	„
UPPER DECK, Sheer-strake in Wells	63	1.08	.46	.46	57 x 1.08	„	1 1/8	4 1/2	Quint.	1 1/8	4 1/2	„
UPPER DECK, Sheer-strake in Bridge ...	57	.66				„	7/8	3 3/8	Treble	7/8	3 1/8	„
STRAKE BELOW Sheer-strake in Wells .....		.86	.46	.46		„	1	3 6/7	Quad.	1	4	„
STRAKE BELOW Sheer-strake in Bridge ...		.66				„	7/8	3 3/8	Treble	7/8	3 1/8	„
POOP SIDE PLATING .....				.40		Single	3/4	3	Double	3/4	2 5/8	„
BRIDGE SIDE PLATING ...		.70 x .66				Double	1	3 6/7	Quad.	1	4	„
FORECASTLE SIDE PLATING			.42			Single	3/4	3	Double	3/4	2 5/8	„

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		6
Extending to Upper Deck (Sec. 3 c).....		5
Deck next below.....		1
As per Rule.....		7

	Plating Thickness.	STIFFENERS.				
		VERTICAL.		HORIZONTAL.		
		Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D, Upper tween decks	✓	26	flanged	5½	30	—
" " Second "	✓					
" " Third "	✓					
" " Holds	✓	40 x 36	12 x 3/8 x 3/4	25	30	—
COLLISION " (in Hold)		40 x 38	12 x 3/8 x 3/4	24	9 x 3 x 44	4'-0"
AFTER PEAK " "		40 x 34	9 x 3/4	24	Tunnel flat	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	Flat plate	✓	
STEM	✓	Roller Steel 10x2 7/8		
STERN FRAME {		Steel forging 10 1/2 x 8	Henschel & Sohn	
Propeller Post	✓	"	do.	
Rudder	✓	500		
RUDDER—A x D	✓	not exceeding 12 knots		
Speed of Vessel	✓	Steel forging 10	Henschel & Sohn	
RUDDER mainpiece at head	✓	7 1/2	do	
" " heel	✓	Circular steel shrunk on arms		
" how constructed	✓	Single plate 1-1"		
" double or single plate	✓	vertical		
" coupling, vertical or horizontal	✓			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process*
D. Colville & Sons, Pease & Partners Ltd, Wm Beardmore & Co Ltd, Dorman Long & Co Ltd.
Henschel & Sohn
 Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No. 38434											LETTER A+			ANCHORS. A+		
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.				
60330	1st Bower ...	85	0	7	Stalks	61	0	0	0		68	Trojan	~~~~~	Liston 4/7/27 Drysdale		
60333	2nd „ ...	82	3	4	do	60	0	0	0		68	do	~~~~~	“ 5/7/27 “		
60332	3rd „ ...	59	2	21	do	48	2	3	7		58 1/2	do	~~~~~	“ 5/7/27 “		
	Collective weight.	227	2	4							194 1/2					
88874	Stream	19	3	14	5	10	20	12	3	7	19	Ordinary	Hingley & Sons	Nicholson 3/13/27 Green		

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.	Cir.					Length.	Cir.				
80490	135	2 5/16	96 1/4	134 1/4	362-2-25			270	2 5/16	Steel Links	Hingley & Sons	Nicholson 19/5/27 Green	TOWLINE	SW. 120	5 1/4	65	120	5 1/4		
80499	135	2 5/16	96 1/4	134 1/4	362-1-10			270	2 5/16	do	do	do	HAWSE & WARPS " SW. " MAN. MAN.	SW. 105	3 1/2	26	90	2 3/4		
Iron Stream Chain - Steel Wire	90	5	59				90	5	Steel Wire					SW. 90	2 3/4	15 1/2	90	2 3/4		
														MAN. 90	7		90	7		
														MAN. 90	7		90	7		

Steering Gear, Steam

Caldwell & Co

Steering Gear, Hand

efficient

Boats

four

Steering Chains, Size and Test

no chains

Windlass

Clarke Chapman & Co.

Ceiling in Holds, thickness and material

none

Cargo Battens, thickness, material and spacing

6" x 2" P. spaced 9"

Cargo Hatchways.-(Upper Deck)

Steel coamings 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 13' 6" x 18'

No. 4 31' 6" x 18'

No. 5 27' 0" x 18'

No. 6

Number of Shifting Beams and/or Fore and Afters

5 in Nos 1, 2, 4 & 5 and 2 in No 3.

For CHARLES CONNELL & CO., Limited.

Builder's Signature

W. H. Gamm

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 tanks 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 freeboards have been verified and the marks cut in on the vessel's 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. Kindly return plans to this office for use in case of sister vessel. Midship Section as built forwarded.
Copy of letter from Owners approving bulkhead arrangement enclosed.

The amount of Entry Fee £ 9 : 0 : 0

Special Survey Fee £ 348 : 0 : 0

Freeboard Travelling Expenses, if any £ 10 : 1 : 8

Fees applied for, 14 JUL 1927

Received by me, 29 7 1927

I am of opinion the Vessel should be Classed + 100A1

1 Int. Bd. & 1 Tween dkt Bk aft dispensed with - 5 Bk to upper dkt, 1 Bk to 2nd dkt.

for George Nicol & Self

Signature

Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey Yes

Certificate to be sent to GLASGOW Date of issue 3/8/27

Committee's Minute GLASGOW 26 JUL 1927

Character assigned + 100A1

7.27

Lloyds Arch

+ LMC 7.27 70

1 Int. Bk. & 1 Tween dkt. Bk. aft dispensed with - 5 Bk to upper dkt. 1 Bk to 2nd dkt.

The Surveyors are requested not to write on or below the Committee's Minute.

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
Deck plans.
Bulkhead
Painting arrangements
Hatch webs.
Strengthening of bottom for d.
Stempost & Rudder
Deep tank
Pillars & girders.
Masts
Tunnel plan
Titles
Quadrant
Pumping plan.

Reports
Stem frame
Rudder
Titles
Quadrant.

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

1st Bower

2nd "

3rd "

Trojan (forged open hearth ingot steel) anchors.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *35.2* ft., R.Q.D. *✓* ft., Bridge *142.5* ft., Forecastle *47.4* 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. *148265*; Signal Letters

Is bottom of Vessel coated with cement *✓* if not give particulars of composition *Bottom space cemented*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>115</i>	<i>290</i>	Fore peak tank,	<i>✓</i>	
Double bottom, under Engines and Boilers,	<i>52</i>	<i>212</i>	After peak tank,	<i>✓</i>	
Double bottom, if under Engines only,	<i>✓</i>		Deep tank, aft,	<i>31</i>	<i>94</i>
Double bottom, if under Boilers only,	<i>✓</i>		Deep tank, forward,	<i>✓</i>	
Double bottom, forward,	<i>205</i>	<i>646</i>	Other tanks, if fitted,	<i>✓</i>	
Total capacity of double bottom		<i>1148</i>	(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. *5769*

Date *25.5.26.*

Dates of Surveys held while building

*1926 June 29 July 7 Aug 10.13.17.27 Sep 1.17 Oct 8 Dec 7 (1927) Jan 21 Feb 1.14 Mar 13.10.17.22.24
Apr 8.22.26 May 2.5.10.11.17.23.25.30 June 8.13.20.22 July 1.4.7.8.11*

Total No. of Visits *38*