

## STEEL STEAMER or MOTORSHIP.

14 APR 1926

Received at London Office.

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

12. 4. 26.

Port of

Glasgow

No. 45550

Survey held at

Glasgow

Date First Survey

31. 7. 25.

Last Survey

8. April

1926

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

S.S. "DIRECTOR" (Machinery not fitted aft)

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

(Vessel built to 1921-2 Rules)

State Type of Erections *P. B. & F. Co.*

TONNAGE under Tonnage Deck

4745.94

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

5106.54

Register Tonnage

3128.08

Length from fore part of stem to after part of stern

L 394.90

Breadth (greatest moulded)

B 52.29

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

D 30.50

1st Longitudinal Number (L x D)

= 82.79

2nd Numeral L x (B + D)

= 32694

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

16.8

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

12.94

Do. Long Bridge to top of keel

10.26

Draught Moulded

24.8 3/4

Launched

12. Feb. 1926 Yard No. 722 M.

Builders

D.W. Henderson &amp; Co. Ltd.

Owners

Charter Steamship Co.

Managers

J. T. Harrison

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

Residence

Liverpool

Port of Registry

Liverpool

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.
<b>FRAMES, Spacing amidships</b>	27		<b>Bracket Floors, Frame</b>	8 1/2 x 2 1/2 x 4 1/2	
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame	8 x 3 x 4 1/2	
" " in peaks	24		" " Vertical Struts	8 x 3 x 4 1/2	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	43 x 50	
Frame Amidships, Angle, E or F	10 3 1/2 x 4 1/2		" " top Angles	10 4 1/2 x 4 1/2 x 60	
" " Extends up to 2nd upper dks alternately in aft Peak			" " bottom Angles	10 4 1/2 x 4 1/2 x 60	
Reversed Frame Amidships, Angle	3 3 1/2 x 38		<b>Side Girders, No. each side and thickness</b>	One 42	
" " Extends up to upper OK			<b>Margin Plate depth (excl. of flange) and thickness</b>	43 x 48	41 x 48
<b>Depth of Framing Girder</b>	10		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem to aft end of E. Space	5 x 5 x 50	
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or F</b>	10 3 1/2 x 4 1/2		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	5 x 5 x 50	
" " Second 'tween Deck, Angle, E or F	10 3 1/2 x 4 1/2		" " Gussets, spacing and scantling abaft 1/2 len. from stem	8 1/2, 30 1/2 x 20 x 4	
" " do clear of Bridge	6 3 1/2 x 4 1/2		" " Gussets, spacing and scantling forward 1/2 len. from stem	do.	
" " Third " " " "			<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	66 x 40	
<b>Framing in Peaks, Angle or F</b>	A.P. 6 3 1/2 x 38		<b>INNER BOTTOM PLATING.</b>		
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	7/8 - 6 1/2		Breadth and thickness of Middle Line Strake	7 1/2 x 50	7 1/2 x 50
<b>State if Frame Joggled</b>	Yes		Thickness of remainder in Holds	42 to 38	
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>	2 tiers of beams and 2 side stringers 14 full height 2 1/2 half height interspersed Bottom Plating doubled 3 plates Plating P.S. midship structure to Coll. 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	
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>			<b>BEAMS.</b>		
<b>SINGLE BOTTOM.</b>			<b>Uppermost Continuous Deck, amidships</b>	7 1/2 x 3 x 42	
Floors, Depth and thickness at mid-line in Holds			" " in Walls, Angle, E or F	10 3 1/2 x 48	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or F	27 and 54	
<b>Middle Line Keelson, on Floors, Angles, L or F</b>			Spacing	11 x 3 1/2 x 13 1/2 x 56	
" " Through Plate or Intercoastal Plate			<b>Second Deck, amidships, Angle, E or F</b>	54	
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			<b>Third Deck, amidships, Angle, E or F</b>		
<b>Side Keelsons, No. each side</b>			Spacing		
" thickness of Intercoastal Plate			<b>Fourth Deck, amidships, Angle, E or F</b>		
" Angles			Spacing		
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, E or F</b>	9 x 3 1/2 x 3 1/2 x 38	
<b>Solid Floors, thickness and spacing</b>	40 spaced 81		Spacing	48 and 54	
" " Are Frame and Reversed Frame joggled?	Yes		<b>Bridge Deck, Angle, E or F</b>	7 x 3 x 42	
<b>Bracket Floors, breadth and thickness at middle line</b>	36 x 42		Spacing	27	
" " breadth and thickness at margin plate	39 x 42		<b>Forecastle Deck, Angle, E or F</b>	10 3 1/2 x 44	
			Spacing	48 and 54	



## 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.
<b>PILLARS, No. of Rows.....</b>	<i>Two Rows of</i>			Stringer Plate, breadth and thickness in way of Bridge .....	<i>50</i>	<i>x</i>	<i>44</i>
" in 'tween Decks, Size and Spacing.....	<i>widely spaced</i>			Thickness of Plating abreast Deck openings in way of Wells .....			<i>50</i>
" " " " " "	<i>Pillars with</i>			Thickness of Plating abreast Deck openings in way of Bridge .....			<i>50</i>
" in Holds " "	<i>deck girders</i>			Thickness of Plating within line of openings...			<i>40</i>
" " " " " "	<i>per approved plan</i>			<del>If Sheathed, material and thickness .....</del>			
<del>Centre Line Bulkhead Stiffeners and Spacing.....</del>				<b>Third Deck.</b>			
Plating, thickness of .....	<i>-</i>			Stringer Plate, breadth and thickness .....			
<b>STRINGERS AND DECKS.</b>				If Plated, state thickness .....			
<b>Uppermost Continuous Deck.</b>				<b>Fourth Deck.</b>			
Stringer Plate, breadth and thickness in Wells	<i>61 1/2 x 60</i>			Stringer Plate, breadth and thickness .....			
" " " " in way of Bridge	<i>48</i>			<del>If Plated, state thickness .....</del>			
" Angle in Wells .....	<i>5 5 66</i>			<b>Poop Deck.</b>			
Thickness of Plating abreast Deck openings in way of Wells .....	<i>46 and 42 (on plans)</i>			Stringer Plate, breadth and thickness .....	<i>35</i>	<i>x</i>	<i>34</i>
Thickness of Plating abreast Deck openings in way of Bridge .....	<i>50</i>			Plating, Sheathing, material and thickness .....	<i>2 1/2</i>	<i>x</i>	<i>3 1/2</i>
Thickness of Plating within line of openings...	<i>42</i>			<b>Bridge Deck.</b>			
<del>If Sheathed, material and thickness .....</del>				Stringer Plate, breadth and thickness .....	<i>54</i>	<i>x</i>	<i>54</i>
<b>Second Deck.</b>				Plating, Sheathing, material and thickness .....	<i>42</i>	<i>x</i>	<i>38</i>
Stringer Plate, breadth and thickness in Wells...	<i>72 3/4 x 44</i>			<b>Forecastle Deck.</b>			
				Stringer Plate, breadth and thickness .....	<i>35</i>	<i>x</i>	<i>34</i>
				Plating, Sheathing, material and thickness .....			<i>34</i>

## SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>Ordinary</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.								
FLAT PLATE KEEL .....	47	✓ 1.00	✓ .70	✓ .70	✓	Double	1	3 <sup>1</sup> / <sub>4</sub>	Four	1 <sup>1</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>8</sub>	<i>Lapped</i>
<del>--- Delc. (if any) ---</del>												
BOTTOM PLATING, No. of of Strakes ... 3 .....	X	.64	.48	.48	✓	Double	7/8	3 <sup>3</sup> / <sub>8</sub>	Three	7/8	3 <sup>1</sup> / <sub>2</sub>	do.
BILGE PLATING, No. of Strakes ..... 2 .....	✓	.66 x .64	.48	.48	✓	do	do	do	Four	do	3 <sup>1</sup> / <sub>2</sub>	do.
SIDE PLATING, No. of Strakes ..... 3 .....	✓	2 @ .64	.44	.44	✓	do	do	do	Three	do	3 <sup>1</sup> / <sub>8</sub>	do
	✓	1 @ .64	.44	.44		do	do	do	Three	do	3 <sup>1</sup> / <sub>8</sub>	do
UPPER DECK, Sheer- strake in Wells.....	54	.88	.44	.44	47 x .88	do	1"	3 <sup>1</sup> / <sub>4</sub>	Five	1 <sup>1</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>2</sub>	do
UPPER DECK, Sheer- strake in Bridge ...	"	.62				do	7/8	3 <sup>3</sup> / <sub>8</sub>	Three	7/8	3 <sup>3</sup> / <sub>8</sub>	do
STRAKE BELOW Sheer- strake in Wells.....	64	.72	.44	.44	47 x .72	do	1	3 <sup>1</sup> / <sub>4</sub>	Four	1	4	do.
STRAKE BELOW Sheer- strake in Bridge ...		.64				do	7/8	3 <sup>3</sup> / <sub>8</sub>	Three	7/8	3 <sup>1</sup> / <sub>8</sub>	do.
POOP SIDE PLATING .....				.38		Single	3/4	3	Two	3/4	2 <sup>5</sup> / <sub>8</sub>	do
BRIDGE SIDE PLATING ...		.68 x .62				Double	7/8	3 <sup>3</sup> / <sub>8</sub>	Four	1 <sup>7</sup> / <sub>8</sub>	4 x 3 <sup>1</sup> / <sub>2</sub>	do
FORE'C'TLE SIDE PLATING				.40		Single	3/4	3	Two	3/4	2 <sup>5</sup> / <sub>8</sub>	do

## WATERTIGHT BULKHEADS.

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

	Plating Thickness.	STIFFENERS.				
		VERTICAL.		HORIZONTAL.		
		Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D, Upper tween decks		26	5 1/2 ft	30	✓	✓
Second						
Third						
Holds		34	10 3/4 x 5 1/2	29		
			B.A.			
COLLISION		42	34 x 9 x 3 x 5 1/2	24		
			B.A.			
AFTER PEAK		75	43 1/2 x 8 x 3 1/2	24		
			B.A.			
					18 x 3 1/2 x 4 1/2	
					and W.T. Flat	
					Journal	
					Flat	

FORGING<sup>x</sup> and CASTING<sup>x</sup>.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....				
STEM .....	Rolled Steel	$10\frac{1}{2} \times 2\frac{3}{16}$	Nickman & Co	
STERN FRAME {	Propeller Post .....	Steel	$10\frac{1}{2} \times 7\frac{1}{2}$	Without Berg & Co. 10 1/2 x 7 1/2
	Rudder ,, .....	Castings	$10\frac{1}{2} \times 7\frac{1}{2}$	Berg & Co. 9 x 7 1/2
RUDDER—A x D.....		42 4/5		
Speed of Vessel.....		10-12 K		
RUDDER mainpiece at head ...		10	Without Berg & Co.	9 1/2
		7 3/4	Berg & Co.	7 1/4
„ „ heel .....				
„ how constructed .....	Forged	frame	single plate	
„ double or single plate .....		single		
„ coupling, vertical or horizontal.....		vertical	Coupling	

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Beardmore, Pease & Partners Ltd, Loughlin & Sons, Lanarkshire Steel Co, "Phoenix" Aktien-Gesellschaft für Bergbau und Hüttenbetrieb, a Thyssen-Kette, Eisenwerk, Kamborn a, Rh.* (Open hearth process)

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

x Midship thickness maintained forward to collision bulkhead



EQUIPMENT No. 34490-3										LETTER Y		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.				
88062	1st Bower ...	57	2	14	Stockless			47	0	1	7	56 7/8	Halls C.S. Head	Hingley & Sons	Netherton 21/11/25
88061	2nd „ ...	57	1	7	do			46	17	0	21	56 7/8	do	do	do do do
88065	3rd „ ...	57	1	0	do			46	15	2	14	56 7/8	do	do	do do do
	Collective weight.	172	0	21								170 5/8			
88066	Stream .....	16	2	21	4	1	0	18	0	2	14	16 1/4	Ordinary	do	do do 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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
76965	135	2 3/16	86 1/2	120 1/2	323.0.5			645.3.0	270	2 3/16	Steel	Hingley & Sons	Netherton 21/11/25	TOWLINE	120	4 1/4	47	120	4 3/4
76966	135	do	do	do	322.3.22						do	do	do 21/11/25	HAWSERS & WARPS	2-90	2 3/4	15 1/2	2-90	2 3/4
Steel Stream Chain or Steel Wire		Cir.								Cir.					90	2 1/2	12 1/2	90	2 1/2
	90	4 3/4		47					90	4 3/4	Steel	Warrington Rope Works Ltd			90	7	Monks	90	7

Steering Gear, Steam *Brown's Steam Tiller* Steering Gear, Hand *Efficient*

Boats *5* Steering Chains, Size and Test *no chains* Windlass *Steam by Clarke*

Ceiling in Holds, thickness and material *2 1/2 pine under hatches and over limbers* Cargo Battens, thickness, material and spacing *2" pine, 9" spaces*

Cargo Hatchways.—(Upper Deck) *Coamings 30 x 55* Thickness of Hatches *3" pine*

Size of No. 1 Hatchway (Forward) *22'-6" x 17'* No. 2 *29'-3" x 17'* No. 3 *9'-0" x 17'* No. 4 *23'-3" x 17'* No. 5 *22'-6" x 17'* No. 6 *—*

Number of Shifting Beams and/or Fore and Afters *4 webs in No. 1 and 5 hatches, 5 in No. 2, 1 in No. 3 6 in No. 4 hatch. No fore and afters*

DAVID & WILLIAM HENDERSON & CO., LIMITED  
Builder's Signature *Jed. W. Henderson* Director.

GENERAL DECLARATION *The workmanship and 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 both 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 3/5<sup>th</sup> 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. "Colonial", the same builders No. 721 M. Gls report No. 45440*

The amount of Entry Fee ..... £ *9 : 0 : 0* Fees applied for, *13/4/1926*

Special Survey Fee .... £ *227 : 13 : 6* Received by me, *19/4/1926*

*Freeboard* Travelling Expenses, if any £ *11 : 0 : 0*

I am of opinion the Vessel should be Classed *100. A.1.*

State whether the Vessel has been built under Special Survey *Yes* Signature *George Nicol*

Certificate to be sent to *Glasgow* Date of issue *20/4/26* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 13 APR 1926*

Character assigned *÷ 100 A1* *WMM*

*4.26.*

*Lloyd's A+C.P.*

*+ LMC 4.26.*



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.)

The following plans and reports are enclosed

Midship section, as approved  
do. vessel as built  
Profile and deck plans  
Pumping arrangement  
Frame section  
Stern frame and rudder  
Deep Tank  
Strengthening of bottom forward  
Steering gear arrangement  
Pillar and girder plan

Reports

Rudder  
Stern frame  
Stem  
Tiller

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

1st Bower	36. 3. 24	D. D. W.	641.	16 <sup>th</sup> Oct. 1925
2nd "	36. 3. 21	D. D. W.	640.	16 <sup>th</sup> Oct. 1925
3rd "	36. 1. 26	D. D. W.	688	6 <sup>th</sup> Nov. 1925

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 37.12 ft., R.Q.D. — ft., Bridge 128 ft., Forecastle 39.67 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. 147362; Signal Letters

Is bottom of Vessel coated with cement yes if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length.		Water Capacity.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	✓	117.00	350	Fore peak tank,	✓	18.00	78
Double bottom, under Engines and Boilers,	✓	56.25	233	After peak tank,	✓	8.50	24
Double bottom, if under Engines only,				Deep tank, aft,	✓	29.25	752
Double bottom, if under Boilers only,				Deep tank, forward,			
Double bottom, forward,	✓	166.5	547	Other tanks, if fitted,			
Total capacity of double bottom			1130	(If necessary, furnish further information by sketch.)			
* The wells are not to be included in the lengths of the tanks.			339.75				

Order for Special Survey No. 5704

Date 25. 5. 25

Dates of Surveys held while building

1925 July 31 Aug 7. 10. 15. 20. 24. 27. Sept 1. 4. 20. 21. 23. 25. Oct 1. 2. 7. 9. 16. 21. 23. Nov 3. 5. 10. 12. 17. 23.  
Dec 10. 15. 17. 24. 29.  
1926 Jan 14. 18. 19. 20. 22. 25. 26. 27. 28. 29. Feb 2. 4. 8. 10. 11. 12. March 8. 10. 16. 17. 22. 25.  
Apr 1. 7. 8.

Total No. of Visits 57