

STEEL STEAMER or ~~MOTORSHIP~~

21 JAN 1925

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

15-1-25 Port of *Glasgow*No. *44306*Survey held at *Bowling*Date First Survey *18.8.24*Last Survey *January 9<sup>th</sup> 1925*

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

*STL. SINGLE S.S. "DOWNSHIRE"*

(ENGINE AFT-)

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

FULL SCANTLING

State Type of Erections *R.O.D. SHORT*  
*B.E. & FORECASTLE*

TONNAGE under Tonnage Deck

*270.73*CLASS *100A.1*State if with freeboard as condition of Class *NO*Built at *Bowling*Launched *December 9<sup>th</sup> 1924* Yard No. *297*Builders *Scott & Sons*Owners *East Downshire, Steam Ship Co. Ltd.*

Managers

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

Residence *Dundrum co. Down*Port of Registry *Belfast*

If surveyed while building, afloat, or in dry dock

*while building afloat*

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 (1a)

L *146.75*

Breadth (greatest moulded)

B *24.6*

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

D *11.0 M.D.*1st Longitudinal Number (L x D) = *1614.25*2nd Numeral L x (B + D) = *5209.62*Framing Depth "d," at middle of length. See Sec. 3 (1d) *10.48 M.D.*  
*13.98 R.O.D.*Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.34 M.D.*  
Do. Long Bridge to top of keel *10.12 R.O.D.*Draught Moulded *10.10 3/4*REGISTERED DIMENSIONS.  
FEET.Length *147.0*  
Breadth *24.65*  
Depth *10.05*

## 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>21 1/2</i>		Bracket Floors, Frame		
" " from 1/4 length to Collision bulkhead			" " Reversed Frame		
" " in peaks			" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle <i>4 1/2</i> or <i>4 1/2</i> <i>HALD.</i> <i>4 1/2 x 3 x 32</i> <i>4 1/2 x 2 1/2 x 32 L</i>			" " top Angles		
" " Extends up to			" " bottom Angles		
Reversed Frame Amidships, Angle <i>2 1/2 x 2 1/2 x 28 on floor</i>			Side Girders, No. each side and thickness		
" " Extends up to <i>Ridge 6 1/2 ft</i>			Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder <i>4 1/2</i>			" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween Decks, Angle, <i>4 1/2</i> or <i>4 1/2</i>			Bracket abaft 1/4 len. from stem		
" " Second 'tween Decks, Angle, <i>4 1/2</i> or <i>4 1/2</i>			" " Vertical Angle to Tank side		
" " Third " " " "			Bracket forward 1/4 len. from stem		
Framing in Peaks, Angle <i>4 1/2</i> or <i>4 1/2</i> <i>AFT. L.</i> <i>4 x 3 x 30</i>			Gussets, spacing and scantling abaft 1/4 len. from stem		
Diameter and Spacing of Rivets through Shell Plating <i>5/8 x 3/4 @ 7 1/2" diam.</i>			Gussets, spacing and scantling forward 1/4 len. from stem		
State if Frame Joggled	<i>NO</i>		Tank Side Brackets, height above base line at toe of Frame and thickness		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars <i>Formed by perfect tank top</i>			INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars <i>Intermediate frames, extra intercostals, shall increase as per approved plan</i>			Breadth and thickness of Middle Line Strake		
SINGLE BOTTOM.			Thickness of remainder in Holds		
Floors, Depth and thickness at mid-line in Holds <i>16 1/2 x 35</i> <i>12 1/2 x 28</i>			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 <i>4 floors carried along at across increased in depth to 18 1/2" at side</i>			BEAMS.		
Middle Line Keelson, on Floors, Angles, <i>3 1/2 x 3 x 30</i>			Uppermost Continuous Deck, amidships in Wells, Angle, <i>4 1/2 x 3 x 30</i>		
" " Through Plate or Intercostal Plate <i>34</i>			" " in way of Bridge, Angle, <i>4 1/2 x 3 x 30</i>		
" " Foundation Plate on Floors <i>12 x 34</i>			Spacing <i>21 1/2</i>		
" " (2) Flat Plate Keel Angles <i>3 1/2 x 3 1/2 x 36</i>			Second Deck, amidships, Angle, <i>4 1/2</i> or <i>4 1/2</i>		
Side Keelsons, No. each side <i>one</i>			Spacing		
" " thickness of Intercostal Plate <i>30</i> <i>.28</i>			Third Deck, amidships, Angle, <i>4 1/2</i> or <i>4 1/2</i>		
" " Angles <i>(1)</i> <i>6 x 4 x 42</i>			Spacing		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, <i>4 1/2</i> or <i>4 1/2</i>		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Poop Deck, Angle, <i>4 1/2</i> or <i>4 1/2</i>		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Bridge Deck, Angle, <i>4 1/2 x 3 x 30</i>		
			Spacing <i>43</i>		
			Forecastle Deck, Angle, <i>5 1/2 x 3 x 40</i>		
			Spacing <i>43</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.
<b>PILLARS, No. of Rows.....</b>	<i>one</i>			
<i>in Tween Decks, Size and Spacing.....</i>	<i>2 1/4</i>			
"    "    "    "    "    "				
"    in Holds    "    "				
<b>Centre Line Bulkhead.</b>				
Stiffeners and Spacing.....				
Plating, thickness of .....				
<b>STRINGERS AND DECKS.</b>				
<b>Uppermost Continuous Deck.</b>				
Stringer Plate, breadth and thickness in Wells	<i>61 x .41 - 45 x .40</i>			
"    "    "    "    in way of Bridge	<i>61 x .41 - 45 x .40</i>			
"    Angle in Wells .....	<i>3 1/2 x 3 1/2 x .40</i>			
Thickness of Plating abreast Deck openings in way of Wells .....	<i>.40</i>			
Thickness of Plating abreast Deck openings in way of Bridge .....	<i>✓</i>			
If Sheathed, material and thickness .....	<i>not sheathed</i>			
<b>R.Q. Second Deck.</b>				
Stringer Plate, breadth and thickness in Wells...	<i>61 x .34 - 42 x .30</i>			
Stringer Plate, breadth and thickness in way of Bridge				
Plating, Sheathing, material and thickness ...				
<b>Third Deck.</b>				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness.....				
<b>Fourth Deck.</b>				
Stringer Plate, breadth and thickness.....				
If Plated, state thickness .....				
<b>Poop Deck.</b>				
Stringer Plate, breadth and thickness .....				
Plating, Sheathing, material and thickness ...				
<b>Bridge Deck.</b>				
Stringer Plate, breadth and thickness.....	<i>26 x .25 - .24</i>			
Plating, Sheathing, material and thickness ...	<i>5 x 2 1/2 p.p. - 6 x 2 1/2</i>			
<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness.....	<i>26 x .25 - 14 x .24</i>			
Plating, Sheathing, material and thickness ...	<i>.25 - sheathed p.p. 5 x 3</i>			

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.				Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.				Inches.	Inches.	Inches.	Inches.	
FLAT PLATE KEEL .....	<i>27 1/2</i>	<i>.58</i>	<i>.55</i>	<i>.55</i>	<i>.43</i>	<i>2 R</i>	<i>3/4</i>	<i>3/16</i>	<i>3 R.</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Strapped</i>
"    DBLG. (if any)		<i>none</i>										
BOTTOM PLATING, No. of Strakes .....		<i>.34</i>	<i>.34</i>	<i>.34</i>	<i>.33</i>	<i>2 R</i>	<i>5/8</i>	<i>2 1/16</i>	<i>2 R.</i>	<i>5/8</i>	<i>2 1/16</i>	<i>Lapped</i>
BILGE PLATING, No. of Strakes .....		<i>.34</i>	<i>.34</i>	<i>.34</i>	<i>.33</i>	<i>2 R</i>						
SIDE PLATING, No. of Strakes .....		<i>.34</i>	<i>.34</i>	<i>.29</i>	<i>.33</i>	<i>1 R</i>						
<b>MAIN DECK, Sheer-strake in Wells.....</b>	<i>43</i>	<i>.42</i>	<i>.35</i>	<i>.37</i>		<i>1 R.</i>	<i>3/4</i>	<i>3/16</i>	<i>3 R.</i>	<i>3/4</i>	<i>2 5/8</i>	<i>Strapped at bellies</i>
<b>R.Q.D. Upper Deck, Sheer-strake in Bridge ...</b>		<i>.37</i>		<i>.29</i>	<i>.36</i>	<i>1 R.</i>	<i>3/4</i>		<i>2 R.</i>			<i>Lapped</i>
STRAKE BELOW Sheer-strake in Wells.....	<i>43</i>	<i>.39</i>	<i>.39</i>	<i>.39</i>	<i>.38</i>	<i>1 R.</i>	<i>3/4</i>		<i>2 R.</i>			
STRAKE BELOW Sheer-strake in Bridge ...		<i>.39</i>				<i>1 R.</i>	<i>3/4</i>		<i>2 R.</i>			
POOP SIDE PLATING .....	<i>✓</i>											
BRIDGE SIDE PLATING ...		<i>.25</i>				<i>1 R.</i>	<i>5/8</i>	<i>2 1/16</i>	<i>2 R.</i>	<i>5/8</i>	<i>2 3/16</i>	<i>Lapped</i>
FORECASTLE SIDE PLATING		<i>.25</i>				<i>1 R.</i>	<i>5/8</i>		<i>2 R.</i>	<i>5/8</i>	<i>2 3/16</i>	<i>Lapped</i>

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	<i>3</i>
Extending to <i>MAIN</i> Upper Deck (Sec. 3 c) .....	<i>1</i>
<i>R.Q.D. Deck next below</i> .....	<i>2</i>
As per Rule .....	<i>3</i>

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....		<i>Flat plate keel</i>		
STEM .....	<i>Roller</i>	<i>7 x 1 1/4</i>	<i>Steel Co. of Scotland</i>	<i>6 x 1 1/4</i>
STERN FRAME {	Propeller Post .....	<i>Forged</i>	<i>5 1/2 x 3</i>	<i>Clelland &amp; Co.</i>
	Rudder .....		<i>5 1/4 x 3</i>	
RUDDER—A x D .....	<i>70.86</i>			
Speed of Vessel .....	<i>UNDER 10 KNOTS</i>			
RUDDER mainpiece at head ...	<i>Forged</i>	<i>5 1/4</i>	<i>Clelland &amp; Co.</i>	
"    "    heel ...		<i>3 1/4</i>	<i>Ed</i>	
"    how constructed .....	<i>Forged steel. Arms shrouded on main piece</i>			
"    double or single plate coupling, vertical or horizontal .....	<i>Single plate .69</i>			
	<i>none</i>			

## STEEL.

Manufacturer's name or trade mark of the Steel used in the construction of the Vessel (state process of manufacture) .....	<i>Steel Co. of Scotland</i>
Has the Steel been tested as required by the Rules? .....	<i>yes</i>



EQUIPMENT No. 5843-03												LETTER f		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.				
40407	1st Bower ...	9	1	31	-	-	-	11	11	1	0	-	9	Green's Quick Grip J.M. Green	Crad. Heath	Nov. 19 <sup>th</sup>
37906	2nd „ ...	8	2	10	-	-	-	10	15	0	0	-	9	„ „ „	„	11/2
	3rd „ ...															
	Collective weight.	18	0	3	3								18 Cwts			Engine S. C. Paul
40408	Stream .....	3	0	0	3	0	5	10	0	0	0	-	3 Cwts	Common	James Green	Crad. Heath Nov. 10 <sup>th</sup> 1/2

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.	Fathoms.					Ins.	Fathoms.		Ins.	Tons.	Fathoms.	Ins.
					Cwts.	qrs. lbs.															
37053	165	1	18	27	86.2	7	84		165	1	Steel Link	J.M. Green Crad Heath 19/1/24		TOWLINE ...	78	1 1/2	4	78	1 1/2		
												S.C. Paul		HAWSERS & WARPS	90	2	4	90	2 1/2		
Iron Circum Chain or Steel Wire	45	2 1/2	12 1/2	-					45	2 1/2	G.S.W.			"							
														"							

Steering Gear, Steam
*Two Rids Sam*
Steering Gear, Hand
*Block & Tackle*

Boats
*2 Life & 1 other*
Steering Chains, Size and Test
*5/8" - Test 4.12.2.0*
Windlass
*Emerson Walker & Thompson*

Ceiling in Holds, thickness and material
*2 1/2 W.P.*
Cargo Battens, thickness, material and spacing
*none*

Cargo Hatchways.-(Upper Deck)
*Steel Coaming*
Thickness of Hatches
*2 1/2*

Size of No. 1 Hatchway (Forward)
*23-3/4 x 14.0*
No. 2
*23-3/4 x 14.0*
No. 3
*✓*
No. 4
*✓*
No. 5
*✓*
No. 6
*✓*

Number of Shifting Beams and/or Fore and Afters
*8 each hatch - no fore afters*

Builder's Signature
*Scott & Sons*

GENERAL DECLARATION
This vessel has been built according to the new rules in conformity with the approved plans & Secretary's letters of various dates & the workmanship & materials are of a high standard. - ✓

The foreboard has been verified & the foreboard marks cut in on the vessel side. - The peaks, bulkheads & weather decks have been tested with water with satisfactory results. - ✓

The following approved plans are enclosed -
*Keel section, profile, stern frame & rudder, pumping plan & plan of hatch coaming. - also keel section as built. - 6 plans - 2 Laying reports. -*

The amount of Entry Fee ..... £ 3 : 0 : 0
Special Survey Fee.... £ 39 : 16 : 0
FREEBOARD - Travelling Expenses, if any £ 3 : 0 : 0
Fees applied for, 16/1/1925.
Received by me, 20/1/1925. M.A.S.A.

I am of opinion the Vessel should be Classed ☒ 100 A.1.
Cargo battens not fitted -

State whether the Vessel has been built under Special Survey *Yes*
Signature *Stanley Rowntree*
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *GLASGOW*
Date of issue *24/1/25*

Committee's Minute *GLASGOW 20 JAN 1925*
Character assigned *100 A1*

*1.25.*
Lloyd's A & C.P.
+ LMC 1.25.
Cargo battens not fitted. W.M.

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

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0017 2/2



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.)

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

1st Bower	6-3.10	T.R.	A. 3238	7/4/24
2nd "	5-1.25	T.R.	A 3263	20/4/22
3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *✓* ft., R.Q.D. *86.5* ft., Bridge *9.0* ft., Forecastle *24.75* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Bridge & R.Q.D. joined* —

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

*1 str (stl) 1 tier beams*

Official No. ; Signal Letters

If bottom of Vessel has been coated Inside *Yes* — give

particulars of composition *Portland Cement & cement work* —

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank, <i>×</i>	<i>22</i>	<i>39</i>
Double bottom, under Engines and Boilers,			After peak tank, <i>×</i>	<i>5.4</i>	<i>4</i>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom			(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. *5653*

Date

*29.8.24*

Dates of Surveys held while building

*1924. Aug 18. 26. Sept 8. 11. 15. 19. 24. 26. Oct 1. 3. 13. 16. 20. 29. Nov 7. 10. 17. 20. 25. 27. 28. Dec 2. 5. 17. 18. 19. 21. 23. 29. 1925. Jan 9.*

Total No. of Visits

*30*