

STEEL STEAMER or MOTORSHIP.

17 AUG 1928

Received at London Office

SECTION

No. 8351

Date of completion of report

13 - 8 - 28

Port of

Dundee

No.

8655

Survey held at

Dundee

Date First Survey

24 - 3 - 1927

Last Survey

10 - 8 - 1928

On the

Steel single screw steamer

"ATLANTIAN"

State Type

Full screw steamer

State Type of Erections

R.B. & F.

TONNAGE under
Tonnage Deck

4479.65

CLASS

100 A.1.

State if with freeboard
as condition of Class

h

Built at

Dundee

Do. of space or spaces
between Tonnage Dk.
and Upper Dk.

15.44.31

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

L 414.5

Breadth (greatest moulded)

B 54.5

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

D 36.75

Total

6023.96

Gross Tonnage

6549.39

Register Tonnage

4016.26

1st Longitudinal Number (L x D) = 15233

2nd Numeral L x (B + D) = 37823

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

15.92

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

11.28

Do. Long Bridge to top
of keel

7.32

Draught Moulded

29-2 1/4

Building & afloat

REGISTERED DIMENSIONS.

FEET.

Length

414.6

Breadth

54.6

Depth

25.8 MAIN
35.8 UPPER.

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	30			✓	Bracket Floors, Frame				✓
" " from 1/4 length to Collision bulkhead	27			✓	" " Reversed Frame				✓
" " in peaks	24			✓	" " Vertical Struts				✓
SIDE FRAMING.					Centre Girder, depth and thickness amidships	45 1/2	57	63	B.S. ✓
Frame Amidships, Angle, E or F	10	3 1/2	42	✓	" " top Angles	3 1/2	3 1/2	54	64 B.S. ✓
" " Extends up to	Upper Deck			✓	" " bottom Angles	6	6	48	✓
Reversed Frame Amidships, Angle	4	3	40	✓	Side Girders, No. each side and thickness	one	42	52	B.S. ✓
" " Extends up to	3rd Deck			✓	Margin Plate depth (excl. of flange) and thickness	38 1/2	58	64	B.S. ✓
Depth of Framing Girder	10			✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 1/2	3 1/2	48	59 B.S. ✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	10	3 1/2	42	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	6	6	49	✓
" " Second 'tween Decks, Angle, E or F	10	3 1/2	42	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	continuous			✓
" " Third " " " "	10	3 1/2	42	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem	"			✓
Framing in Peaks, Angle, E or F	9	3 1/2	50	✓ NBS	Tank Side Brackets, height above base line at toe of Frame and thickness	75			✓
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	7/8	6 1/2 diam.		✓	INNER BOTTOM PLATING.				
State if Frame Joggled	No			✓	Breadth and thickness of Middle Line Strake	57 1/2	52 1/2	48	50 B.S. ✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Keel Framing & as per app. Plan			✓	Thickness of remainder in Holds		44		✓
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	Double reinforced frame and as per app. Plan			✓	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?		No		✓
SINGLE BOTTOM.					BEAMS.				
Floors, Depth and thickness at mid-line in Holds					Uppermost Continuous Deck, amidships in Wells, Angle, E or F	6 x 3 1/2 x 3 1/2	34	37	✓
Height of Brackets at side above base line at toe of frame					" " in way of Bridge, Angle, E or F	6 x 3 1/2 x 3 1/2	28	48	✓
Middle Line Keelson, on Floors, Angles, E or F					Spacing	30			✓
" " Through Plate or Intercostal Plate					Second Deck, amidships, Angle, E or F	6 x 3 1/2 x 3 1/2	46	48	✓
" " Foundation Plate on Floors					Spacing	30			✓
" " Flat Plate Keel Angles					Third Deck, amidships, Angle, E or F	7 x 3 x 41			✓
Side Keelsons, No. each side					Spacing	30			✓
" " thickness of Intercostal Plate					Fourth Deck, amidships, Angle, E or F				✓
" " Angles					Spacing				✓
DOUBLE BOTTOM.					Poop Deck, Angle, E or F	7 x 3 x 46	50		✓
Solid Floors, thickness and spacing	42 x 3/4 x 3/4			✓	Spacing				✓
" " Are Frame and Reversed Frame joggled?	No			✓	Bridge Deck, Angle, E or F	9 x 3 1/2 x 46	50		✓
Bracket Floors, breadth and thickness at middle line				✓	Spacing	10 x 3 1/2 x 50	50		✓
" " breadth and thickness at margin plate				✓	Forecastle Deck, Angle, E or F	8 x 3 1/2 x 3 1/2	40	46	✓
					Spacing				✓

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 with Steel anti line Bulkhead</i>									
in 'tween Decks, Size and Spacing.....	<i>do</i>	<i>Like 8" 10 1/2"</i>							
" " " " " "	<i>do</i>	<i>Like 6" 6 8"</i>							
in Holds " " "	<i>do</i>	<i>Like 13" 16 1/2"</i>							
Centre Line Bulkhead. <i>Hold.</i>									
Stiffeners and Spacing.....	<i>4 hold.</i>	<i>8 1/2 x 3 x 40 BR @ 5'-0"</i>							
	<i>4 hold.</i>	<i>5 x 3 x 48 BR @ 5'-0"</i>							
Plating, thickness of	<i>4 hold.</i>	<i>30</i>							
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells		<i>57</i>	<i>88</i>						
" " " " in way of Bridge		<i>64</i>	<i>40</i>						
" Angle in Wells		<i>6</i>	<i>6</i>	<i>76</i>					
Thickness of Plating abreast Deck openings in way of Wells		<i>54</i>	<i>6</i>	<i>68</i>					
Thickness of Plating abreast Deck openings in way of Bridge		<i>36</i>	<i>6</i>	<i>45</i>					
Thickness of Plating within line of openings...		<i>50</i>							
If Sheathed, material and thickness		<i>Recomadation</i>							
Second Deck.									
Stringer Plate, breadth and thickness in Wells...		<i>65 1/2</i>	<i>48</i>						
Stringer Plate, breadth and thickness in way of Bridge		<i>65 1/2</i>	<i>50</i>						
Thickness of Plating abreast Deck openings in way of Wells		<i>30</i>							
Thickness of Plating abreast Deck openings in way of Bridge		<i>30</i>							
Thickness of Plating within line of openings...		<i>30</i>							
If Sheathed, material and thickness		<i>Recomadation</i>							
Third Deck.									
Stringer Plate, breadth and thickness		<i>65 1/2</i>	<i>50</i>						
If Plated, state thickness		<i>30</i>							
Fourth Deck.									
Stringer Plate, breadth and thickness		<i>65 1/2</i>	<i>50</i>						
If Plated, state thickness		<i>30</i>							
Poop Deck.									
Stringer Plate, breadth and thickness		<i>36</i>	<i>36</i>						
Plating, Sheathing, material and thickness		<i>30</i>	<i>5 x 3. P.P.</i>						
Bridge Deck.									
Stringer Plate, breadth and thickness		<i>66</i>	<i>50</i>						
Plating, Sheathing, material and thickness		<i>44</i>	<i>5 x 3. P.P.</i>						
Forecastle Deck.									
Stringer Plate, breadth and thickness		<i>36</i>	<i>36</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.			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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.
FLAT PLATE KEEL	57½	86	76	76	✓	Double	7/8	3 1/3	✓	Quad.	✓	1"	4"	Lapped
„ DBLG. (if any)														
BOTTOM PLATING, No. of of Strakes 3	ARC	67	78	53	✓	Double	7/8	3 1/3	✓	Quad.	✓	7/8	3 1/2	Lapped
BILGE PLATING, No. of Strakes 2	612	67	58	53	✓	"	"	3 1/3	✓	Quad.	✓	7/8	3 1/2	"
SIDE PLATING, No. of Strakes 3	544	65	45	48	✓	"	"	3 1/3	✓	Quad.	✓	7/8	3 1/2 + 3 1/8	"
UPPER DECK, Sheer- strake in Wells.....	67	76	46	46	✓	"	"	4	✓	Quad.	✓	1"	4 1/2	"
UPPER DECK, Sheer- strake in Bridge ...	K	65				"	"	3 1/2	✓	Quad.	✓	7/8	3 1/8	"
STRAKE BELOW Sheer- strake in Wells.....	67					"	"	3 1/2	✓	Quad.	✓	7/8	3 1/2	"
STRAKE BELOW Sheer- strake in Bridge ...	J.	65				"	"	3 1/2	✓	Quad.	✓	7/8	3 1/8	"
POOP SIDE PLATING	39					Single	3/4	3	✓	Single	✓	3/4	2 5/8	"
BRIDGE SIDE PLATING ...	64					Double	7/8	3 1/2	✓	Quad.	✓	7/8	3 1/2	"
FORECASTLE SIDE PLATING	42					Single	3/4	3	✓	Single	✓	3/4	2 5/8	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	<i>8</i>
Extending to Upper Deck (Sec. 3 c)	<i>8</i>
" Deck next below	<i>7</i>
As per Rule	<i>7</i>

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	<i>26</i>	<i>4 x 5 x 40 BR</i>	<i>30</i>		
" " Second "	<i>31</i>	<i>6 x 3 x 44 BR</i>	<i>30</i>		
" " Third "	<i>33</i>	<i>6 x 3 x 36 BR</i>	<i>30</i>		
" " Holds	<i>49</i>	<i>10 x 3 1/2 x 56 BR</i>	<i>30</i>		
COLLISION (in Hold)	<i>52</i>	<i>10 x 3 1/2 x 38 BR</i>	<i>24</i>	<i>Semi Gus Beam</i>	
AFTER PEAK " "	<i>50</i>	<i>4 1/2 x 3 x 36 BR</i>	<i>24</i>	<i>Alced</i>	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	<i>✓</i>			
STEM	<i>S.R.P.</i>	<i>10" x 2 3/4"</i>		
STERN FRAME { Propeller Post	<i>Forging</i>	<i>12" x 8 3/4"</i>	<i>Barlinghough & Co.</i>	
{ Rudder "	<i>"</i>	<i>9 1/2" x 8 5/8"</i>	<i>Wm. Beardmore.</i>	
RUDDER—A x D		<i>639.7</i>		
Speed of Vessel		<i>12 knots</i>		
RUDDER mainpiece at head	<i>Forging</i>	<i>12"</i>		
" " heel	<i>Forging</i>	<i>9"</i>		
" how constructed	<i>Forged arm Shank on.</i>			
" double or single plate coupling, vertical or horizontal	<i>Single</i>			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Mun. Rose & Partners Ltd.*
Remarkshire Steel Co. Ltd. South Durham Steel & Iron Co. Ltd. David Colville & Co. Consort. Iron Co. Ltd.
Thompson Iron Co. Ltd. Wm. Beardmore & Co. Ltd.
 Has the Steel been tested as required by the Rules? *Yes*

EQUIPMENT No. 39490												LETTER	a +	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.			
30833	1st Bower ...	65	0	7	✓			51	2	2	0	64 1/4	Byers Improved Stockline	Byers & Co.	Sunderland 29.2.28. J.N. Dutton.
30830	2nd " ...	65	0	0	✓			51	0	0	0	64 1/4	"	"	— do —
30831	3rd " ...	64	2	0	✓			50	15	0	0	65	"	"	— do —
	Collective weight.	194	2	7								194 1/2			
43238	Stream	19	2	14.	5	0	7	20	18	1	21.	19	Iron Stick	✓	Goodly & Co. 10.11.27. L.C. Paul.

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- ing.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Cir.	Length.		Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
80699.	270	2 ⁵ / ₁₆	134 ³ / ₄	96 ¹ / ₄	721	3	14.	720 ³ / ₄	270	2 ⁵ / ₁₆	Steel Cable.	✓	Johnston 8-12-27. L. I. FREM.	TOWLINE...	120	5 ¹ / ₂	65	120	5 ¹ / ₂
														HAWSERS & WARPS	180	8"	✓	180	8"
														"	180	7"	✓	180	7"
		Cir.								Cir.				"					
Iron-Stream Chain or Steel Wire	90	5	✓	59	✓		✓	✓	90	5"	✓			"					

Steering Gear, Steam *Johnston & Co. Steam engine, South. 9" x 9"* Steering Gear, Hand *Blocks & tackle to winches.*

Boats *2 - 28'-0" + 2 - 22'-0"* Steering Chains, Size and Test *Self-motor gear.* Windlass *Steam Charles Chapman. 10" x 14"*

Ceiling in Holds, thickness and material *✓* Cargo Battens, thickness, material and spacing *6" x 2" Spruce. 9" spacing.*

Cargo Hatchways.—(Upper Deck) *Steel.* Thickness of Hatches *2 1/2"*

Size of No. 1 Hatchway (Forward) *20'-3" x 14'-0"* No. 2 *30'-0" x 16'-0"* No. 3 *12'-6" x 19'-0"* No. 4 *27'-6" x 16'-0"* No. 5 *27'-6" x 16'-0"* No. 6 *✓*

Number of Shifting Beams and for Fore and Afters *Fore 1-3. Aft 2-4. Aft 3-1. Aft 4-4. Aft 5-4.*

THE CALEDON SHIPBUILDING & ENGINEERING CO LTD
D.W. Yarker
 Builder's Signature

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *to* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *to* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built under Special Survey in accordance with the approved Plans & Rules.

The materials and workmanship are sound & good.

The freeboard markings have been cut in on the vessel's side & verified.

The double bottom tanks, fore & after peak tanks, deep tank and the decks, waterways & bulkheads & tunnel have been tested as required by the Rules with satisfactory results.

The amount of Entry Fee £ 10 : 0 : 0 Fees applied for, *16-8-1928*

Special Survey Fee.... £ 363 : 14 : 6 Received by me, *24.8.28*

Travelling Expenses, if any £ *✓* : Freeboard £12 paid 5/6/28

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

State whether the Vessel has been built under Special Survey *for* Signature *D.W. Yarker*

Certificate to be sent to *London* Date of issue *31/8/28* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 31 AUG 1928*

Character assigned *100 A.I.*

Lloyd's Assoc

Thine F. 28

70 CL

Engine

My

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 Rpt. the Plans should be embodied.)

List of Plans.

Midship Section

Profile & Decks.

Deep Tank, Shaft Tunnel & Longitudinal Bulkhead.

Fore and Aft Framing

Stiffening Bottom forward

Deep Tank.

Fore Body & machinery space bulkheads.

Bulkhead No. 73.

Aft Body bulkheads

Aft Peak Tank framing

Revised scantlings of deck girders

Multiple punching diagram

Sanway floors

Bunker Plan.

Scantlings of Cargo Latches

Bridge Deck beam stiffeners

Re-arrangement of Strong beams & Semi box beams.

Proposed arrangement of Electrically welded Plate collars at tunnel access top

Sketch of pillars in way of overhanging hatch ends

Sketch of 3" thick plate

Shim frame & middle.

Bull angle sections

Pumping arrangement.

Diagrammatic arrangement of bilge & ballast pipes

Cast steel Quadrant & Lifter.

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

1st Bower	37-2-20	M.B.	3472	13-1-28
2nd "	37-2-26	M.B.	3470	13-1-28
3rd "	37-2-3	M.B.	3469	13-1-28

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 41.29 ft., R.Q.D. ft., Bridge 50 ft., Forecastle 40.15 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) 3 STL. DKS.

Official No. 149686; Signal Letters
particulars of composition

Is bottom of Vessel coated with cement if not give

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	95	216	Fore peak tank,	21	97
Double bottom, under Engines and Boilers,	77½	335	After peak tank,	18	28
Double bottom, if under Engines only,	—	—	Deep tank, aft,	25	387
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	170¾	542	Other tanks, if fitted,	—	—
Total capacity of double bottom	343.75	1093	(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. 968.

Date 11-4-27.

Dates of Surveys held while building

1927. MAY. 24. JUNE. 6. JULY. 5. 11. 14. 19. 21. AUG. 2. 3. 8. 9. 10. 11. 16. 17. 23. 25. 30. 31. SEPT. 1. 2. 3. 6. 7. 8. 15. 16. 19. 21. 23. 30. OCT. 6. 7. 10. 13. 14. 19.
20. 24. 27. 28. 31. NOV. 4. 9. 15. 21. 22. 28. DEC. 1. 9. 12. 13. 15. 21. 23. 27.
1928 JAN. 6. 9. 17. 20. 24. 25. 27. FEB. 13. 20. 22. MAR. 1. 7. 12. 13. 15. 16. 19. 21. 22. 26. 29. APR. 2. 5. 16. 17. 19. 24. 25. 26. 30.
MAY. 2. 7. 8. 11. 14. 15. 17. 29. JUNE. 1. 12. 21. JULY. 4. 5. 18. AUG. 1. 7. 9. 10.

Total No. of Visits 104.