

Spar, or Awning Dk.

## IRON OR STEEL STEAMER.

No. 14678.  
WED. 9 MAY 1906State if Report is also sent on the Machinery of the Vessel  
Port of GREENOCK Date of completion of Report 3rd May 1906 Received at London Office  
Survey held at PORT GLASGOW Date, First Survey 15th June 1905 Last Survey 28th April 1906  
On the STEEL SCREW STEAMER AUCHENDALE Rig SCHOONERTONNAGE under  
Tonnage Deck 3722.53Do. between Tonnage Dk.  
and Spar or Awning Dk.  
Tonnage 3722.53Total under Upper Dk. 3722.53Do. of Pass. Stow. Houses 2.93House 6.32Castle 52.77on Deck 73.23excess of Hatchways 31.32above Crown of  
Engine Room 62.89ross Tonnage 3951.99ess Crew Space 85.59ess above Crown of  
Engine Room 62.89TONNAGE FOR FEES... 3803.51Engine Room 1264.64Navigation Spaces 33.54Master Tonnage 2568.22

out on Beam...

SPAR, AWNING OR PART AWNING-DECKED VESSEL,

or a Vessel having a continuous Shade Deck.

CLASS 100-A1 SPAR DECKHalf Breadth (moulded) 24.5Depth from upper part of keel to top of Main Deck Beams 21.02

(with the normal round up of beam)

Girth of Half Midship Frame (as per Rule) 41.621st Number 87.14Length on deck from after part of stem to fore part of  
stern post 3582nd Number 31196Proportions—Breadths to Length 7.3Depths to Length—Main Deck to top of Keel 17.03Destined Voyage CALCUTTA VIA MIDDLESBROSurveyed while Building AFLOAT, or in Dry DockMaster R. M. McCLUREYear of Appointment 1906Built at PORT GLASGOWWhen built 1906 Launched 23rd Feb 1906By whom built RUSSELL & CoOwners THE AUCHEN STEAM SHIPPING COMPANY LTDManagers PURDIE, GLEN & MILLAR

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

Residence 55 WEST REGENT ST GLASGOWPort belonging to GLASGOW

AND

Surveyed while Building

AFLOAT, or in Dry Dock

No. of Decks with flat laid TwoNo. of Tiers of Beams TwoRound up of Main Dk. Beam, Actual 12 ins.

Main Deck.

Spar or Awn. Dk.

Moulded depth, ft. 20 ins.

To Main Dk.

Dk. Beam, Actual

12 ins.

Main Deck.

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12 ins.

Main Deck.



STRAKES.	PLATING.				RIVETING.			
	AS IN SHIP.				PER RULE OR AS APPROVED.			
	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	AMIDSHIP.	AMIDSHIP.	AMIDSHIP.	AMIDSHIP.
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Thickness.	Thickness.
FLAT PLATE KEEL	46	21	13	13	46	21	13	13
GARBOARD OR A STRAKE	54	13	12	12	54	13	12	12
B "	62	11	9	9	62	11	9	9
C "	62	11	9	9	62	11	9	9
D "	62	11	9	9	62	11	9	9
E "	59	12	9	9	59	12	9	9
F "	59	12	9	9	59	12	9	9
G "	62	12	9	9	62	12	9	9
H "	62	12	9	9	62	12	9	9
J "	62	13	9	9	62	13	9	9
K "	62	14	9	9	62	14	9	9
L "	44	16	9	9	44	16	9	9
M "								
N "								
O "								
P "								
Q "								
R "								
S "								
DOUBLE BOTTOM								
Length and thickness of Sheerstrakes.	DOUBLED AT EACH END OF BRIDGE							
POOP SIDES			7					
BRIDGE SIDES	9-8				9-8			
FORECASTLE SIDES		7				7		

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.: **SIEMENS MARTIN PROCESS FROM CLYDEBRIDGE, LANARKSHIRE, DALZELL GLASGOW, I.T.S.C., HALLSIDE, BLACKBURN CALDERBANK & CLYDEDALE**

Has the Steel been tested as required by the Rules? **YES.**

FRAMES extend in one length from CENTRE LINE to MARGIN PLATE, THENCE TO GUNWALE state if ordinary or jogged? **JOGGED**

REVERSED FRAMES on floors and frames extend from CENTRE LINE to MARGIN PLATE, MARGIN PLATE to state if ordinary or jogged? **JOGGED**

MAIN & SPAR DECKS ALTERNATELY, ALL TO SPAR DECK IN WAY OF AFTER PEAK, DOUBLE ON FLOORS IN ENGINE SPACE BUNKER BULKHEAD.

MASTS, SPARS, &c.									
LOWER MASTS.	Fore	Main	Mizen	Material.	Total Length.	DIAMETER AND THICKNESS.			No. of Plates in round.
						At Partners.	Heel.	Hounds.	
				STEEL	56-8	22 x 1/20	20 x 1/20	18 x 1/20	7
					58-0				

Topmasts, Yards and Remainder of Spars **PITCH PINE**

Rigging, Material and Size, Shrouds **G.S.W. 3/4**

Sails, **ONE** Suit of **Sails, and the following spare sails**

EQUIPMENT No. **38955** LETTER **W.** ANCHORS.

Number of Certificate.	Anchors	WEIGHT, EX. STOCK		WEIGHT, PER CERTIFICATE.		WEIGHT REG. BY TABLE 22.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts. qrs. lbs.	Cwts. qrs. lbs.	Tons. cwt. qrs. lbs.	Tons. cwt. qrs. lbs.	Cwts. qrs. lbs.	Cwts. qrs. lbs.			
7220	1st Bower	52	2 1/4	STOCKLESS	44	0 1 7	52	2 0	STOCKLESS	W.L. BYERS & Co. Ltd. 1/4/05. W.T. REEF
7352	2nd "	51	0 0	"	43	0 0 0	52	2 0	"	" 3/12/05. " "
7456	3rd "	47	2 21	"	40	14 14	44	2 0	"	" 21/06. " "
	Collective weight	151	1 7		149	2 0				
5679	Stream	14	0 0	3 2 0	15	12 2 0	14	0 0	COMP. MAN.	BROWN LEWIS & Co. 10/10/06. G.W. PENN.
5680	Kedge	6	0 0	1 2 0	8	5 0 0	6	0 0	"	" 9/10/06. " "

CHAIN CABLES.									
Number of Certificate.	Length and Size supplied.	Test per Certificate.	Status.	Break ing.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Table 22.	Description.	Makers of Cables.
					Supplied.	Per Rule.			
5406	270 276	165 107 1/2	574 1-3	574 2-14	270	276	276	STUD LINK	BROWN LEWIS & Co. 1/10/06. G.W. PENN.
Iron (Stream)	90 4 1/2	39			90	4 1/2		S.W. WEBSTER & Co.	" 1/10/06. " "

Boats **FOUR** H. Pump 4 1/2

Pumps, Number **DOWNTON** PUMP TO HOLD. H. PUMP TO F. PEAK Diameter of Barrel **DOWNTON 5 1/2** State whether they are in efficient working order **YES.**

Windlass is of STEEL BY **CLARKE CHAPMAN & Co.** Capstan **7** STEEL WINCHES.

Engine Room Skylights. - How constructed? **OF STEEL PLATES AND ANGLES.**

What arrangements for deadlights in bad weather? **STEEL SHUTTERS & BULLS EYES.**

Coal Bunker Openings. - How constructed? **OF STEEL** How are lids secured? **BATTENS & CLONTS** Height above deck? **9' BULL ANGLE**

Number of Scuppers, and number and dimensions of Freeing Ports, &c. **FIVE SCUPPERS & FIVE FREEING PORTS EACH SIDE 28 x 22.**

Ceiling in Holds, thickness and material **2 1/2 W.P. UNDER MATCHES & OVER LIPPER.** Cargo Battens, thickness and material **2" W.P.**

Cargo Hatchways. - How formed? **OF STEEL PLATES AND ANGLES** Hatches, If strong and efficient? **YES. 3' SOLID**

State size No. 1 Hatch (Forward) **20-0 x 14-0 x 30** No. 2 Hatch **28-0 x 16-0 x 30** No. 3 Hatch **24-0 x 16-0 x 30** No. 4 Hatch **28-0 x 14-0 x 30.**

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch **ONE WEB PLATE TO NO. 1 & 4 HATCHWAY. TWO WEB PLATES TO NO. 2 & 3.**

THREE WOOD FORE & AFTERS TO EACH HATCHWAY **FIVE** No. of Crutches **DEEP FLOORS**

Bulwarks, height above deck and description **48 x 1/20 BULL STRIPS 7 1/2** Main Rail and Stays, material and size **B.A. 6 x 3 x 1/20**

The above is a correct description. **For Russell & Coy**

Builder's Signature (here only) **For Russell & Coy** Surveyor's Signature **J. French** Surveyor to Lloyd's Register of British & Foreign Shipping.

Correspondence. - State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)

**M 5/4/05 10/4/05 20/5/05 E 20/6/05**

Workmanship. Are the butts of plating planed or otherwise fitted? **PLANED WHERE PRACTICABLE**

Is the riveted work properly closed? **YES**

Are the liners between the frames and plates solid single pieces? **FRAMES JOGGLED** Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? **YES** Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? **YES** Do any rivets break into or through the seams or butts of plating? **A FEW**

Are the butts of Plating, Stringers, &c., properly shifted and strapped? **YES**

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? **YES** State results of tests **SATISFACTORY**

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? **YES** State results of tests **SATISFACTORY**

General Remarks (State quality of workmanship, &c.) **THIS VESSEL HAS BEEN BUILT IN ACCORDANCE WITH THE RULES AND APPROVED PLANS**

**THE QUALITY OF THE MATERIAL AND WORKMANSHIP IS GOOD**

**THE KEEL WAS SIGHTED BEFORE LAUNCHING AND FOUND TO HAVE 1/2" CAMBER**

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK. - Length of Poop **30** ft., R.O.D. or Break **4** ft., Bridge Dk. **90** ft., F'castle **40** ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) **ONE DECK (STEEL) AND SPAR DECK (STEEL) AND DEEP FRAMING**

Official No. **121325**; Signal Letters

How are the surfaces preserved from oxidation? Inside **BY PORTLAND CEMENT & PAINT** Outside **BY PAINT**

PARTICULARS OF WATER BALLAST. - State whether the Double bottom is constructed on the cellular system or with girders on floors **CELLULAR SYSTEM.**

Where fitted.	*Length.	Water Capacity.	Where fitted.	*Length.	Water Capacity.
Double bottom, aft.	120	377	Fore-peak tank.		
Double bottom, under Engines and Boilers.	38	135	After peak tank.		
Double bottom, if under Engines only.			Deep tank aft.		40
Double bottom, if under Boilers only.			Deep tank forward.		
Double bottom, forward.	154	498	Other tanks, if fitted.		
Total capacity		1010	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks. State whether the above have been tested as required by the Rules. **YES**

Order for Special Survey No. **2331**

Date **12th April 1906**

No. **556** in builder's yard.

Dates of Surveys held while building

1905: June 18. 19. 20. July 3. 24. 26. 28. Aug. 3. 10. 18. 21. 24. 29. Sep. 4. 7. 12. 20. 22. 25. Oct. 2. 4. 9. 18. 20. 25. 28. Nov. 1. 6. 10. 14. 16. 27. 29. Dec. 1. 13. 18. 20. 26. 1906: Jan. 10. 28. 27. 30 Feb. 2. 6. 9. 12. 19. 27. March 13. 13. 27. April 24. 28.

Total No. of Visits **54**

The amount of Entry Fee.....£ **5** : : : Fees applied for, **3/5/1906** **SHK**

Special .....£ **120** : : : Received by me, **4/5/1906**

Travelling Expenses, if any £ : : : **4/5/1906**

State whether the Vessel has been built under Special Survey **YES**

I am of opinion this Vessel should be Classed **100-A1-STEEL SPAR DECK**

without Freeboard, as condition of Class

Surveyor to Lloyd's Register of British and Foreign Shipping. **J. French**

Committee's Minute **Glasgow - 8 MAY 1906**

Character assigned **+ 100-A1 (Steel) "Spar deck" Deep and**