

3 Decks.

IRON OR STEEL STEAMER.

Received at London Office.

JUL 7 MAR 1906

Date of completion of report 27th February 1905 State of Report is also sent on the Machinery of the Vessel
Survey held at Port Glasgow Port of Greenock No. 18195
On the STEEL SCREW STEAMER "ASHRIDGE" (No. 172) Rig Schooner Date, First Survey 5th August 1904 Last Survey 21st February 1905
TONNAGE under 2740.22 THREE DECKED VESSEL.
Tonnage Deck... CLASS + 100 A1.
Do. between Tonnage Dk. and 3rd and 4th Dk. ...
Total under Upper Dk. ...
Do. of Poop ...
Do. of Bridge House ...
Do. of Forecastle ...
Do. of Houses on Dk. ...
Do. of excess of Hatchways ...
Do. above Crown of Engine Room ...
Gross Tonnage 2884.09
Less Crew Space 78.05
Less above Crown of Engine Room ...
Tonnage for Fees ...
Less Engine Room ...
Less Navigation Spaces ...
Register Tonnage 1849.13
Destined Voyage Melbourne If Surveyed while Building, Afloat, or in Dry Dock Special Survey.

Master Hector McDonald
Year of appointment 1905
Built at Port Glasgow
When built 1905 Launched 21st Jan'y 1905
By whom built William Hamilton & Co. Sec.
Owners McIlraith, Milne & Co. Prop'ys. Ltd.
Managers ...
Residence London.
Port belonging to London.

Length on Deck 323 2 Breadth 46 9 3/8 Depth, Actual—Top of Floors to top of Upper Dk. Beams 22 3 1/4 No. of Decks with flat laid ONE
as per Rule ... Do. do. do. Main Dk. Beams 11 3 1/4 No. of Tiers of Beams ONE
Dimensions of Ship per Register, Length 325.8' breadth 47.0 depth 22.25' Moulded depth, ft. 24 ins. 10 To Upper Dk. Round of Upper Dk. Beam, Actual 11 3/4 ins.

FRAMING.				FORGINGS OR CASTINGS.			
NAME, Angles, or Bars for 1/2 length amidships	Inches in Ship	Inches in Ship	16ths or 20ths per Rule	NAME, Angles, or Bars for 1/2 length amidships	Inches in Ship	Inches in Ship	16ths or 20ths per Rule
Do. for 1/2 at each end	11	3 1/2	12	KEEL, Bar or Side Plates, depth and thickness	10 1/2	2 1/4	10 1/2
Do. in way of Double Bottoms at Solid Floors	11	3 1/2	11	STEM, moulding and thickness	11	6	11
Do. at intermediate Dkts.	3 1/2	3 1/2	9-8	STERN-POST for Rudder do. do.	11	6	11
Do. of Frames from moulding edge to moulding edge, all fore and aft	24		24	for Propeller	11	6	11
PERSEID FRAME, Angles, ALT. BETWEEN	4	3 1/2	9	MAIN PIECE of Rudder, diameter at head	8 1/2	6 1/2	8 1/2
PERSEID FRAME, depth of girder				do. at heel	6 1/2	6 1/2	6 1/2
PERSEID FRAME, depth of girder				RUDDER, how constructed Built iron frame & angle plate			
PERSEID FRAME, depth of girder				Can the Rudder be unshipped afloat?	yes		
PERSEID FRAME, depth of girder				KEELSONS & STRINGERS.			
PERSEID FRAME, depth of girder				CENTRE LINE KEELSON, Vertical Plate above			
PERSEID FRAME, depth of girder				floors, Through Plate, or Intercoastal Plate			
PERSEID FRAME, depth of girder				do. Rider Plate			
PERSEID FRAME, depth of girder				do. Bulb Plate to Intercoastal Keelson			
PERSEID FRAME, depth of girder				do. Horizontal Plates on Floors			
PERSEID FRAME, depth of girder				do. Angles			
PERSEID FRAME, depth of girder				SIDE KEELSON, Angles			
PERSEID FRAME, depth of girder				do. Bulb or Plate above floors, for			
PERSEID FRAME, depth of girder				do. Intercoastal Plate, for			
PERSEID FRAME, depth of girder				do. Attached to outside Plating with Angle			
PERSEID FRAME, depth of girder				BILGE KEELSON, Angles at fore end, single	6 1/2	4 1/2	12-11
PERSEID FRAME, depth of girder				do. Bulb or Plate above floors, for			
PERSEID FRAME, depth of girder				do. Intercoastal Plate for	15	9-8	15
PERSEID FRAME, depth of girder				do. Attached to outside Plating with Angle	3 1/2	3 1/2	9-8
PERSEID FRAME, depth of girder				BILGE STRINGER Angles			
PERSEID FRAME, depth of girder				do. Bulb Plate for			
PERSEID FRAME, depth of girder				do. Intercoastal Plate for			
PERSEID FRAME, depth of girder				do. Attached to outside Plating with Angle			
PERSEID FRAME, depth of girder				SIDE STRINGER Angles	6 1/2	4 1/2	12-11
PERSEID FRAME, depth of girder				do. Bulb or Intercoastal Plate, for	15	9-8	15
PERSEID FRAME, depth of girder				do. Attached to outside plating with Angle	3 1/2	3 1/2	9-8
PERSEID FRAME, depth of girder				Upper Deck Stringer Plates, br'dth & thickness	4 7	10	4 7
PERSEID FRAME, depth of girder				do. Angle on ditto	4 1/2	4 1/2	11-10
PERSEID FRAME, depth of girder				do. Tie Plates fore and aft, outside Hatchways			
PERSEID FRAME, depth of girder				do. Deck, * Iron or Steel, for	8-7		8-7
PERSEID FRAME, depth of girder				do. Wood Deck, Material & thickness			
PERSEID FRAME, depth of girder				Middle Deck Stringer Plate, br'dth & thickness			
PERSEID FRAME, depth of girder				do. Angles on ditto, No.			
PERSEID FRAME, depth of girder				do. Tie Plates outside Hatchways			
PERSEID FRAME, depth of girder				do. Diagonal Tie Plates on Bms, No. of prs.			
PERSEID FRAME, depth of girder				do. Deck, * Iron or Steel, for			
PERSEID FRAME, depth of girder				do. Wood Deck, Material & thickness			
PERSEID FRAME, depth of girder				Lower Deck Stringer Plate, br'dth & thickness			
PERSEID FRAME, depth of girder				do. Angles on ditto, No.			
PERSEID FRAME, depth of girder				do. Tie Plates, outside Hatchways			
PERSEID FRAME, depth of girder				do. Deck, * Material and thickness			
PERSEID FRAME, depth of girder				Hold, or Orlop Stringer Plate, br'dth & thickness			
PERSEID FRAME, depth of girder				do. Angles on ditto, No.			
PERSEID FRAME, depth of girder				do. Tie Plates outside Hatchways			
PERSEID FRAME, depth of girder				do. Deck, Material and thickness			
PERSEID FRAME, depth of girder				Poop Deck Stringer Plate, breadth & thickness	30	7	30
PERSEID FRAME, depth of girder				do. Angle on ditto	3	3	7
PERSEID FRAME, depth of girder				do. Tie Plates			
PERSEID FRAME, depth of girder				do. Deck, Material and thickness STEEL			
PERSEID FRAME, depth of girder				Bridge Deck Stringer Plate, br'dth & thickness	40	10	40
PERSEID FRAME, depth of girder				do. Angle on ditto	3 1/2	3 1/2	10
PERSEID FRAME, depth of girder				do. Tie Plates			
PERSEID FRAME, depth of girder				do. Deck, Material and thickness STEEL			
PERSEID FRAME, depth of girder				Forecastle Deck Stringer Plate, br'dth & thickness	30	7	30
PERSEID FRAME, depth of girder				do. Angle on ditto	3	3	7
PERSEID FRAME, depth of girder				do. Tie Plates			
PERSEID FRAME, depth of girder				do. Deck, Material and thickness P.P.			
PERSEID FRAME, depth of girder				STIFFENERS.			
PERSEID FRAME, depth of girder				BULKHEADS.			
PERSEID FRAME, depth of girder				W. T. BULKHEADS	5	5	7-6
PERSEID FRAME, depth of girder				PARTITION	1	1	7
PERSEID FRAME, depth of girder				LONGITUDINAL			
PERSEID FRAME, depth of girder				Are the outside Plates doubled two spaces of Frames in length?			
PERSEID FRAME, depth of girder				Are the Stairs Valves and Watertight Doors in efficient working order?			

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.			BUTTS.									
	AMIDSHIP.		FORWARD.		AFT.	AMIDSHIP.	Single or Double.	Breadth of Lap.	Rivets.	DOUBLE OR TREBLE AND FOR WHAT LENGTH.		RIVETS.		STRAITS.		IF LAPPED.		FOR WHAT LENGTH.	
	Breadth.	Thickness.	Breadth.	Thickness.						Diam.	Spacing or to or.	Diam.	Spacing or to or.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.
FLAT PLATE KEEL.....	42	19	15	14	42	19	DOUBLE	6	1	4	19	1	4	19	14	12	12	12	12
GARBOARD OR A STRAKE.....	42	15	12	12	42	15	"	5/4	7/8	3/2	19	1	3/2	19	14	12	12	12	12
State actual thickness in way of Double Bottom.	B	11	10	9	11	10	"	"	"	"	"	"	"	"	"	"	"	"	"
C	11	9	9	9	11	9	"	"	"	"	"	"	"	"	"	"	"	"	"
D	11	"	"	"	11	"	"	"	"	"	"	"	"	"	"	"	"	"	"
E	12	9	9	9	12	9	"	"	"	"	"	"	"	"	"	"	"	"	"
F	12	"	"	"	12	"	"	"	"	"	"	"	"	"	"	"	"	"	"
G	12	"	"	"	12	"	"	"	"	"	"	"	"	"	"	"	"	"	"
H	12	"	"	"	12	"	"	"	"	"	"	"	"	"	"	"	"	"	"
J	12	"	"	"	12	"	"	"	"	"	"	"	"	"	"	"	"	"	"
K	12	"	"	"	12	"	"	"	"	"	"	"	"	"	"	"	"	"	"
SHEER - L	44	13	10	10	44	13	"	"	"	"	"	"	"	"	"	"	"	"	"
M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
N	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
O	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
P	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
DOUBLING OF PLATE KEEL	Length of shell plates = twelve frame spaces.																		
Length of Bilges of Sheerstrakes.	Doubled from within bridge at each end to half length amidships																		
Length of Sheerstrakes below	7/20																		
POOP SIDES	10-11/20																		
BRIDGE SIDES	7/20																		
FORECASTLE SIDES	7/20																		

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*
Glasgow, Hallside, Lanarkshire, Dal-
zell, Clydebridge, Dowlais, Calder-
bank.
 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*
 REVERSED FRAMES on floors and frames extend from *centre line to margin plate, built angle framing.*

MASTS, SPARS, &c.										RIVETING.									
AND TOP LOWER MASTS.	Fore	Main	Mizzen	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.		Seams.	Butts.	Scams.	Butts.	Scams.
						At Partners.	Heel.	Hopkiss.	Head.		Number.	Size.							
Fore	STEEL	92-0	20 x 7/20	20 x 7/20	16 1/2 x 7/20	10 x 7/20	"	"	"	TWO	-	-	SINGLE	TREBLE	"	"	"	"	"
Main	DE	97-0	"	"	"	"	"	"	"	"	-	-	"	"	"	"	"	"	"
Mizzen	"	"	"	"	"	"	"	"	"	"	-	-	"	"	"	"	"	"	"

Topmasts, Yards and Remainder of Spars *of Pine*
 Rigging, Material and Size, *Shrouds 3/4 inch wire*
 Sails, *One Suit of Schooner's* Sails, and the following spare sails *Stays 2 1/4"*

EQUIPMENT No. <u>32473</u> LETTER <u>U</u>										ANCHORS.										
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 22.			Description of Anchor.	Makers.	Where and when tested and Superintendent.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			Cwts.	qrs.	lbs.	
0	5707	1st Bower	45	3	7	STOCKLESS		39	15	3	21	45	0	0	EMMON PATENT	T. P. JONES & Co.	SUNDER	19/10/04	W. J. R. P.	
X	5715	2nd "	44	3	0	Do.		39	1	3	14	45	0	0	Do.	Do.	SUN.	20/10/04	W. J. R. P.	
2	5669	3rd "	38	0	0	Do.		34	10	0	0	38	0	0	Do.	Do.	SUN.	10/10/04	W. J. R. P.	
	4th "	4th "	12	8	2	7						12	8	0	0					
		Collective weight	128	2	7							128	0	0						
	9707	Stream	12	0	0	3	0	12	13	17	2	0	12	0	0	✓ COMMON	JOHN GREEN	TIPTON	26/10/04	C. E. Perrins
	2707	Kedge	5	2	0	1	16	7	16	1	0	5	2	0	✓ Do.	Do.	TIPTON	26/10/04	C. E. Perrins	
	mechanical test by m. hork 25th Aug. 04.																			

CHAIN CABLES.										HAWERS AND WARPS.									
Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size per Table 22.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size per Table 22.
				Tons.	Supplied.														
27468	270	1 1/2	94-10-0	511-1-17	511-1-14	270	1 1/2	Steel cable	John Brown	31/10/04	31/10/04	31/10/04	31/10/04	31/10/04	Steel	270	1 1/2	94-10-0	511-1-14
27468	270	1 1/2	94-10-0	511-1-17	511-1-14	270	1 1/2	Steel cable	John Brown	31/10/04	31/10/04	31/10/04	31/10/04	31/10/04	Steel	270	1 1/2	94-10-0	511-1-14
27468	270	1 1/2	94-10-0	511-1-17	511-1-14	270	1 1/2	Steel cable	John Brown	31/10/04	31/10/04	31/10/04	31/10/04	31/10/04	Steel	270	1 1/2	94-10-0	511-1-14

Boats *Lifeboats & two others*
 Pumps, Number *One Downton pump & one hand pump to forepeak.*
 Windlass is *Clarke Chapman & Co.*
 Engine Room Skylights. How constructed? *Of lead*
 What arrangements for deadlights in bad weather? *Wood shutters & bullseyes.*
 Coal Bunker Openings. How constructed? *Of steel*
 Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *Scuppers on each side, six freeing ports on each side 42" x 19 1/2"*
 Ceiling in Holds, thickness and material *under hatchways 2" pine*
 Cargo Hatchways. How formed? *Of steel - normal construction*
 State size No. 1 Hatch (Forward) *24' x 17'* No. 2 Hatch *24' x 17'* No. 3 Hatch *24' x 17'* No. 4 Hatch *24' x 17'*
 Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *four web plates on each hatch, no fore & afters fitted.*
 No. of Breasthooks *five* No. of Crutches *two*
 Bulwarks, height above deck and description *48" x 7/8" steel plate* Main Mast, material and size *6" x 3" hull angle*
 The above is a correct description. **WILLIAM HAMILTON & CO., LIMITED,** Surveyor's Signature *W. Hamilton*
 Builder's Signature (here only) *W. Hamilton* Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)
(M) 8, 9, 11, 12, 13 JULY; 5 AUG; 2 SEPT 1904; 17 FEB 1905.

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed & overlapped*
 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 of the Society and the approved plans; the quality of the material and workmanship are good.*
The keel was sighted before launching & found practically straight.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *22* ft., R.Q.D. or Break *✓* ft., Bridge Dk. *88* 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 deep framing.*
 Official No. _____; Signal Letters _____
 How are the surfaces preserved from oxidation? Inside *Portland cement & paint* Outside *Paint.*

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft.	96	329	Fore peak tank,	-	-
Double bottom, under Engines and Boilers,	22	87	After peak tank,	-	70
Double bottom, if under Engines only,	144	433	Midship deep tank,	-	-
Double bottom, if under Boilers only,	-	-	Other tanks, if fitted,	-	-
Double bottom, forward,	-	-	(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. *2370*
 Date *9th July 1904*
 No. *172* in builder's yard.

DATES of Surveys held while building
1904: Aug 5, 9, 15, 16, 23, 24, 30, 31. Sept 3, 9, 12, 13, 15, 19, 21, 26, 27, 30. Oct 5, 7, 11, 13, 17, 18, 22. Nov 1, 3, 7, 8, 10, 11, 14, 16, 18, 19, 21, 23, 24, 26, 29, 30. Dec 2, 6, 8, 9, 12, 13, 15, 17, 19, 20, 21, 22, 24, 27, 28, 30, 31. 1905: Jan 4, 12, 13, 14, 17, 19, 20, 26, 30. Feb 2, 7, 13, 16, 24.

Fees applied for, *24/2/1905*
 The amount of Entry Fee.....£ *5 : 0 : 0*
 Special Survey Fee.....£ *95 : 3 : 0*
 Travelling Expenses, if any £ : : *1/3/1905*

Certificate to be sent to *Glenock*
 State whether the Vessel has been built under Special Survey *Yes.*
 Lam of opinion this Vessel should be Classed *1-100 A.1.*
 Without or without Freeboard, as condition of Class

Committee's Minute *Glasgow - 6 MAR 1905*
 Character assigned *+ 100 A.1 (Steel) Lloyd's & C.S.*
Annual

The Surveyor is requested not to write on or beside the Committee's Minute.

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