

3 Decks.

IRON OR STEEL STEAMER.

SAL. 3 FEB 1906

Received at London Office.

Date of completion of report *27th Jan. 1906.* State of Report is also sent on the Machinery of the Vessel *Yes*
Survey held at *West Hartlepool* Port of *West Hartlepool* No. *12815.*
On the *S.S. Plan Macintosh* Date, First Survey *29th May, 1905* Last Survey *26th Jan. 1906*
TONNAGE under *4523.39* THREE DECKED VESSEL.
Tonnage Deck... *4523.39* CLASS *100 A*
Do. between Tonnage Dk. *76.71*
and 3rd and 4th Dk. *4523.39*
Total under Upper Dk. *4523.39* Half Breadth (moulded) *25.395*
Do. of Poop *76.71* Depth from upper part of Keel to top of Upper Deck Beams *31.002*
Do. of Bridge House *145.91* Girth of Half Midship Frame (as per Rule) *108.292*
Do. of Forecastle *28.12* deduct 7 feet *7.0*
Do. of Houses on Dk. *4774.13* 1st Number *101.292*
Do. of excess of Hatchways *156.14* Length on deck from after part of stem to fore part of stern post *398.083*
Do. above Crown of Engine Room *4617.99* 2nd Number *403.22*
Gross Tonnage *1527.72* Proportions—Breadth to Length *7.8*
Crew Space *47.17* Depth to Length—Upper Deck to top of Keel *12.84*
Main Deck ditto *18.9*
Destined Voyage *Glasgow* Master *Charles Jones*
Year of appointment *1906* (1) As Master in service of owner of present vessel—18.82
(2) As Master of this vessel—1906
Built at *West Hartlepool* When built *1906* Launched *13th Oct. 1905*
By whom built *Purness, Withy & Co. Ltd*
Owners *Cayzer, Irvine & Co.*
Managers *Glasgow* (Where necessary to be entered in Reg. Book.)
Residence *Glasgow*
Port belonging to *Glasgow*

Feet.		Inches.		BREADTH—		Feet.		Inches.		DEPTH, ACTUAL—		Feet.		Inches.		No. of Decks with flat laid					
398		1		Moulded		50		9 1/2		Do.		do.		do.		2					
Feet.		Inches.		Feet.		Inches.		Feet.		Inches.		Feet.		Inches.		No. of Tiers of Beams					
27		3 1/2		17		3 1/2		Main Dk. Beams		17		3 1/2		2		2					
Dimensions of Ship per Register, Length 400.0 breadth 51.0 depth 27.2. Moulded depth, ft. 30 ins. — To Upper Dk.																Round of Upper Dk. Beam, Actual 13 ins.					
FRAMING.										FORGINGS or CASTINGS.											
Inches in Ship										Inches in Ship.										Inches per Rule. Or as Approved.	
ME, Angles, or L Bars for 1/2 length amidships										10 3 1/2 12 10 3 1/2 12										KEEL, Bar or Side Plates, depth and thickness	
for 1/2 at each end										10 3 1/2 11 10 3 1/2 11										STEM, moulding and thickness	
in way of Double Bottoms at Solid Floors										Floors flanged top and bottom.										STERN-POST for Rudder do. do	
at intermdt. Bkts.										25 25										for Propeller	
ance of Frames from moulding edge to building edge, all fore and aft										25 25										MAIN PIECE of Rudder, diameter at head	
ERSED FRAME, Angles										10 10										do. at heel	
P FRAMING, depth of girder										10 10										RUDDER, how constructed	
ORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships																				Can the Rudder be unshipped afloat? Yes.	
in way of Engines and Boilers																				KEELSONS & STRINGERS.	
thickness at the ends of vessel																				Inches in Ship.	
depth at 1/2 the half breadth, as per Rule																				Inches in Ship.	
height extended at the Bilges																				20ths in Ship.	
ORS & BRACKETS in Cell Dble Bottoms										45 25 9 45 25 9										Inches per Rule Or as Approved.	
Distance apart																				Inches per Rule Or as Approved.	
TRE GIRDER, in Double bottom, depth and thickness										45 11 45 11										Inches per Rule Or as Approved.	
Angles, Top										4 4 10 4 4 10										Inches per Rule Or as Approved.	
Bottom										4 1/2 4 1/2 12 4 1/2 4 1/2 12										Inches per Rule Or as Approved.	
E GIRDERS, number on each side, & thickness										2 2 9 2 2 9										Inches per Rule Or as Approved.	
Angles, Vertical										3 1/2 3 1/2 9 3 1/2 3 1/2 9										Inches per Rule Or as Approved.	
RGIN PLATE, depth (exclusive of flange) and thickness										37 10 37 10										Inches per Rule Or as Approved.	
Angles to Outside Plating										4 4 10 4 4 10										Inches per Rule Or as Approved.	
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake										60 10 60 10										Inches per Rule Or as Approved.	
in Engine and Boiler space										Iron 17/8 10 17/8 10										Inches per Rule Or as Approved.	
Remainder in Holds										7 1/2 3 10 7 1/2 3 10										Inches per Rule Or as Approved.	
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb										8 3 11 8 3 11										Inches per Rule Or as Approved.	
Angles on upper edge										25 25										Inches per Rule Or as Approved.	
Average space																				Inches per Rule Or as Approved.	
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb										9 3 11 9 3 11										Inches per Rule Or as Approved.	
Angles on upper edge										25 25										Inches per Rule Or as Approved.	
Average space																				Inches per Rule Or as Approved.	
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb										11 10 11 10										Inches per Rule Or as Approved.	
Angles on upper edge										3 1/2 3 1/2 8 3 1/2 3 1/2 8										Inches per Rule Or as Approved.	
Average space										50 50										Inches per Rule Or as Approved.	
BEAMS, Hold, or Orlop, Plate or Tee Bulb										5 1/2 3 8 5 1/2 3 8										Inches per Rule Or as Approved.	
Angles on upper edge										25 25										Inches per Rule Or as Approved.	
Average space																				Inches per Rule Or as Approved.	
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb										6 3 9 6 3 9										Inches per Rule Or as Approved.	
Angles on upper edge										25 25										Inches per Rule Or as Approved.	
Average space																				Inches per Rule Or as Approved.	
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb										6 3 9 6 3 9										Inches per Rule Or as Approved.	
Angles on upper edge										25 25										Inches per Rule Or as Approved.	
Average space																				Inches per Rule Or as Approved.	
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb										6 3 9 6 3 9										Inches per Rule Or as Approved.	
Angles on upper edge										25 25										Inches per Rule Or as Approved.	
Average space																				Inches per Rule Or as Approved.	
PILLARS, In 'tween Deck, size and spacing										Wide spaced pillars and girders as per profile.										Inches per Rule Or as Approved.	
Hold																				Inches per Rule Or as Approved.	
Quarter 'tween Dks.,																				Inches per Rule Or as Approved.	
in Hold																				Inches per Rule Or as Approved.	
WEB-FRAMES, In Fore Body, No. and spacing										1 web frame in E. & B. space and 2 in deep tank.										Inches per Rule Or as Approved.	
br'dth. & thickness																				Inches per Rule Or as Approved.	
No. of Side Stringers																				Inches per Rule Or as Approved.	
WEB-FRAMES, In E. & B. Space, No. & spacing																				Inches per Rule Or as Approved.	
br'dth. & thickness																				Inches per Rule Or as Approved.	
WEB-FRAMES, In After Body, No. and spacing																				Inches per Rule Or as Approved.	
br'dth. & thickness																				Inches per Rule Or as Approved.	
No. of Side Stringers																				Inches per Rule Or as Approved.	
Size of Angles or Tee Bars to Web-Frames																				Inches per Rule Or as Approved.	
BRACKET PLATES to Stringers between Web Frames, depth and thickness																				Inches per Rule Or as Approved.	

PLATING.										RIVETING.																																																																																																																																																																											
AS IN SHIP.					PER RULE OR AS APPROVED.					LOWER EDGES.					BUTTS.																																																																																																																																																																						
STRAKES.																																																																																																																																																																																					
FLAT PLATE KEEL	48	21	14	14	48	21	14	14	48	21	14	14	48	21	14	14	48	21	14	14																																																																																																																																																																	
GARBOARD OF A Strake	65	14	13	13	65	14	13	13	65	14	13	13	65	14	13	13	65	14	13	13																																																																																																																																																																	
B	74	12	10	10	74	12	10	10	74	12	10	10	74	12	10	10	74	12	10	10																																																																																																																																																																	
C	72	12	10	10	72	12	10	10	72	12	10	10	72	12	10	10	72	12	10	10																																																																																																																																																																	
D	69	13	10	10	69	13	10	10	69	13	10	10	69	13	10	10	69	13	10	10																																																																																																																																																																	
E	70	13	10	10	70	13	10	10	70	13	10	10	70	13	10	10	70	13	10	10																																																																																																																																																																	
F	68	13	10	10	68	13	10	10	68	13	10	10	68	13	10	10	68	13	10	10																																																																																																																																																																	
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K	48	15.23.20	11	11	48	15.23.20	11	11	48	15.23.20	11	11	48	15.23.20	11	11	48	15.23.20	11	11																																																																																																																																																																	
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DOUBLING of Flat Plate Keel																																																																																																																																																																																					
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POOP SIDES				7	7				7				7				7																																																																																																																																																																				
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Manufacturer's name or trade mark of the Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.: <i>South Durham; Corbett; Palmer; Lancashire; and Glasgow Siemens Process.</i>										Upper Deck (Butts, riveted for <i>half</i> length amidship, Stringer Plate/Straps, <i>single</i> overlapped for <i>whole</i> length amidship)																																																																																																																																																																											
Has the Steel been tested as required by the Rules? <i>Yes.</i>										Middle Deck (Butts, treble riveted for <i>whole</i> length amidship, Stringer Plate/Straps, <i>single</i> overlapped for <i>whole</i> length amidship)																																																																																																																																																																											
FRAMES extend in one length from <i>bulk margin plate</i> to <i>deck</i> . (Floors flanged top and bottom)										Butts of <i>Side Stringers and Tie Plates</i> , treble or double riveted?																																																																																																																																																																											
REVERSED FRAMES on floors and frames extend from <i>Bulk angle frames</i> .										Inner Bottom Plating, riveting of Edges <i>Double</i>																																																																																																																																																																											
										Centre Girder Butts, <i>Double</i> riveted																																																																																																																																																																											
										Frames, riveted through Plates with <i>3/8</i> in. Rivets, about <i>6 1/2</i> apart.																																																																																																																																																																											
										Rivets, state whether Iron or Steel <i>Iron</i>																																																																																																																																																																											
MASTS, SPARS, &c.																																																																																																																																																																																					
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28326	2nd "	59	3			48	4	1	14	60																																																																																																																																																																											
28307	3rd "	50	1	18		42	12	21	50	2																																																																																																																																																																											
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Boats <i>2 Life and 3 others.</i>																																																																																																																																																																																					
Pumps, Number <i>One</i> pump connected to the steam boiler suction pipes in each compartment.																																																																																																																																																																																					
Windlass is <i>Clarke, Chapman & Co.</i>																																																																																																																																																																																					
Engine Room Skylights. How constructed? <i>Steel on trunk bulkheads.</i>																																																																																																																																																																																					
What arrangements for deadlights in bad weather? <i>Bulls eyes in steel shutters.</i>																																																																																																																																																																																					
Coal Bunker Openings. How constructed? <i>Steel coverings.</i> How are lids secured? <i>By hatch bars.</i> Height above deck? <i>30" x 12"</i>																																																																																																																																																																																					
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. On each side, <i>5 scuppers, and 4 ports 39" x 16"</i>																																																																																																																																																																																					
Ceiling in Holds, thickness and material <i>2 1/2" h.p. pine.</i>																																																																																																																																																																																					
Cargo Hatchways. How formed? <i>Of plates and angles.</i>																																																																																																																																																																																					
State size No. 1 Hatch (Forward) <i>16-5" x 14-0" x 30"</i> No. 2 Hatch <i>31-1/2" x 14-0" x 30"</i> No. 3 Hatch <i>14-1/2" x 16-0" x 30"</i> No. 4 Hatch <i>29-2" x 15-0" x 30"</i>																																																																																																																																																																																					
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch <i>In 1st 18" 5 on web plate, 4" 2 1/2" 4 three web plates, 4" 3 on shifting beam, and 3 fore & afters in each.</i>																																																																																																																																																																																					
Bulwarks, height above deck and description <i>3-8" Steel plating.</i>																																																																																																																																																																																					
The above is a correct description.																																																																																																																																																																																					
Builder's Signature (here only) <i>J. Jackson</i> For FURNESS, WITBY & CO., LIMITED. Surveyor's Signature <i>J. Thomson</i> 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) *1905:—6th, 15th & 16th Mar.; 11th & 15th April; 17th May; 9th & 29th June; and 11th Sept. M. 5th June 1905 E.*

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed.*

Is the riveted work properly closed? *Yes.*

Are the liners between the frames and plates solid single pieces? *Yes.* 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.) *The workmanship throughout is good.*

This vessel is built in accordance with photo of approved midship section forwarded to London on 27th Jan. 1905, the accompanying tracings (10 in 1/2"), the Secretary's letters referred to above, and in general conformity with the Rules for the Class contemplated.

As desired by the Owners, the close ceiling has been dispensed with, except under the hatchways and over the timbers, see Secretary's letter dated 11th Sept. 1905.

The bottom is coated with enamel cement (Furness, Withy & Co.) and a letter from the Owners approving of the same is forwarded herewith.

Is a sister vessel to the "Clan Macpherson", Hpl. Report N° 12776.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *36* ft., R.Q.D. or Break *✓* ft., Bridge Dk. *129* 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) *2 Decks (Steel), 2 tiers of Beams, & deep framing.*

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside *By enamel 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

Where fitted.	*Length.	Water Capacity.	Where fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft.	106 1/4	235	Fore peak tank,		
Double bottom, under Engines and Boilers,	52	185	After peak tank,		
Double bottom, if under Engines only,			Midship deep tank,	48	1150
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	183 1/2	531	(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. *1982*

Date *19 May 1905*

No. *288* in builder's yard.

Dates of Surveys held while building

1905. May 29, June 14, 19, 21, 25, 26, 28, 30, July 4, 7, 11, 12, 9, 25, 28, 31, Aug. 2, 15, 17, 21, 22, 25, 28, 31, Sept. 5, 7, 11, 12, 15, 18, 21, 25, 27, 29, Oct. 3, 5, 6, 7, 9, 10, 12, 17, Nov. 18, Dec. 4, 11, 14, 20, 23, 1906 Jan. 5, 8, 12, 15, 19, 22, 25, 26.

Total No. of Visits *57*

The amount of Entry Fee *5* : : *29.1.1906*

Special Survey Fee *140* : : *20.1.1906*

Travelling Expenses, if any £ : : *20.1.1906*

State whether the Vessel has been built under Special Survey *Yes.*

I am of opinion this Vessel should be Classed *100 A1*

With or without Freeboard, as condition of Class.

Committee's Minute *TUES. 6 FEB 1906*

Character assigned *100 A1*

Lloyds and Co.

J. Thomson

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

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W673-0067 1/2