

1 or 2 Dks., R. O. Dk.,  
and Pt. Awng. Dk.

# IRON OR STEEL STEAMER.

State if Report is also sent on the Machinery of the Vessel *Yes*

Date of completion of Report *28th November 1905*

Date, First Survey *10th March*

Port of *Glasgow*

Last Survey *14th Nov 1905*

No. *23314*  
JUL 5 DEC 1905

Survey held at *Glasgow*  
On the *S. S. "COMMANDANT"*

TONNAGE under Tonnage Deck...	178.92
Do. of Poop	
Do. of Raised Qr.	35.67
Do. of Break..	
Do. of Bridge House	8.86
Do. of Forecastle	13.64
Do. of Houses on Deck	5.31
Do. of excess of Hatchways	12.99
Do. above Crown of	17.59
Engine Room ..	272.98
Crew Space	26.92
above Crown of	17.59
Engine Room ..	228.47
AGE FOR FEES ..	
Engine Room	165.95
Navigation Spaces	26.92
Sect 79 Act. 1904	8.3
Master Tonnage	71.91
cut on Beam ..	

ONE OR TWO DECKED VESSEL.  
CLASS *100A1*

Half Breadth (moulded)	11.0
Depth from upper part of Keel to top of Main Deck Bms.	10.71
Girth of Half Midship Frame (as per Rule)	19.80
1st Number	41.51
Length on deck from after part of stem to fore part of stern post	129.0
2nd Number	5355
Proportions—Breadths to Length	5.86
Depths to Length—Main Deck to top of Keel	12.04
Destined Voyage	<i>Coasting</i>
If Surveyed while Building	<i>Afloat, or in Dry Dock</i>
Yes	

Master	<i>A.K. Craig</i>
Year of appointment	<i>1905</i>
Built at	<i>Glasgow</i>
When built	<i>1905</i>
Launched	<i>19th Sept 05</i>
By whom built	<i>John Shearer &amp; Sons</i>
Owners	<i>Coasting Steamships Co. Ltd</i>
Managers	<i>Purdie Glen &amp; Miller</i>
Residence	<i>Glasgow</i>
Port belonging to	<i>Glasgow</i>

Length on Deck as per Rule	129	0	BREADTH—Moulded	22	0	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	9	7	No. of Decks with Flat laid	one	No. of Tiers of Beams	one
Dimensions of Ship per Register, Length	130.4	breadth	22.15	depth	9.35	Moulded Depth	10	ft. 3	ins.	Round of Beam, Actual	6	ins.

FRAMING.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths per Rule Or as Approved.
NAME, Angles, <i>LE</i> or <i>LE</i> Bars, for $\frac{1}{2}$ length	3	2½	5	3	2½	5
Do. for $\frac{1}{2}$ at each end						
Do. in way of Double Bottoms at Solid Floors						
Do. " " " at intermdt. Bkts.						
acing of Frames from centre to centre	21			21		
EVERSED FRAME, Angles	2½	2½	5	2½	2½	5
EEP FRAMING, depth of girder						
DOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	14		7	14		7
Do. in way of Engines and Boilers			8.9			7.8
Do. thickness at the ends of vessel			6			6
Do. depth at $\frac{1}{2}$ the half breadth, as per Rule	9½					
Do. height extended at the Bilges	25			25		
DOORS & BRACKETS, in Coll Dble Bottoms						
Do. " " state if flanged (top & bottom)						
Do. " " Spacing						
ENTRE GIRDER, in Double Bottom, depth and thickness						
Do. " " Angles, Top						
Do. " " Bottom						
IDE GIRDERS, number on each side & thickness state if flanged (top & bottom)						
Do. " " Angles						
MARGIN PLATE, depth (exclusive of flange) and thickness						
Do. " " Angles to Outside Plating						
Do. " " Floor						
Height of Floors at the Bilges						
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						
Do. " " thickness in Engine and Boiler space						
Do. " " Remainder in Holds						
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	4	2½	5/6	4	2½	5/6
Do. " " Angles on Upper Edge						
Do. " " Spacing	21			21		
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						
Do. " " Angles on Upper Edge						
Do. " " Spacing						
BEAMS, Hold, Plate or Tee Bulb						
Do. " " Angles on Upper Edge						
Do. " " Spacing						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						
Do. " " Angles on Upper Edge						
Do. " " Spacing						
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb	4	3	5/6	4	3	5/6
Do. " " Angles on Upper Edge						
Do. " " Spacing	42			42		
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	5	3	7	5	3	7
Do. " " Angles on Upper Edge						
Do. " " Spacing	42			42		
PILLARS, In-tween Decks, Size and Spacing	<i>No full on wing bracks at side &amp; quarter at Centre of ship</i>					
Do. " " Hold						
Do. " " Quarter, tween Decks						
Do. " " in Hold						
WEB FRAMES, In Fore Body, No. and Spacing						
Do. " " Breadth & Thickness						
Do. " " No. of Side Stringers						
WEB FRAMES, In E. & B. Space, No. & Spacing						
Do. " " Breadth & Thickness						
WEB FRAMES, In After Body, No. and Spacing						
Do. " " Breadth & Thickness						
Do. " " No. of Side Stringers						
Do. " " Size of Angles on Tee Beams						
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness						

FORGINGS AND CASTINGS.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths per Rule Or as Approved.
KEEL, Bar or Side Plates depth and thickness	7	x	1½	7	x	1½
STEM, moulding and thickness	7	x	1½	7	x	1½
STERN-POST for Rudder do. do.	6	x	3	6	x	3
Do. " " for Propeller	6	x	3	6	x	3
MAIN PIECE of Rudder, diameter at head	3½			3½		
Do. " " at heel	3			3		
RUDDER, how constructed <i>Single plate arm forged to main piece</i>						
Can the Rudder be unshipped afloat?				<i>Yes</i>		
KEELSONS AND STRINGERS.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths per Rule Or as Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		9	8		9	8
Do. Rider Plate		6½	8		6½	8
Do. Bulb Plate to Intercoastal Keelson						
Do. Horizontal Plates on Floors						
Do. Angles	3	3	6	3	3	6
SIDE KEELSON, Angles						
Do. Bulb Plate above floors for <i>fire raft</i> lng.		2½			2½	
Do. Intercoastal Plate for <i>fire raft</i> length			5			5
Do. Attached to outside plating with Angle	2½	2½	5	2½	2½	5
BILGE KEELSON, Angles	6	3	8	6	3	8
Do. Bulb Plate above floors for <i>5</i> lng.		7	3/8		7	3/8
Do. Intercoastal Plate for <i>length</i>						
Do. Attached to outside plating with Angle						
BILGE STRINGER Angles						
Do. Bulb Plate for <i>length</i>						
Do. Intercoastal Plate for <i>length</i>						
Do. Attached to outside plating with Angle						
SIDE STRINGER Angles						
Do. Bulb or Intercoastal Plate for <i>lng.</i>						
Do. Attached to outside plating with Angle						
Main and Raised Quarter Deck Stringer Plate, breadth and thickness	54		7	54		7
Do. Angle on ditto	3 x 3 x		5/6	3 x 3 x		6
Do. Tie Plates, outside Hatchways						
Do. Diagonal Tie Plates on Bms, No. of Pairs						
Do. Main Dk° Iron or Steel for <i>length</i>			5/6			6
Do. R. Q. Dk° Iron or Steel for <i>length</i>			5/6			6
Do. Wood Deck Material & thickness						
Lower Deck Stringer Plate, breadth and thickness						
Do. Angles on ditto, No.						
Do. Tie Plates, outside Hatchways						
Do. Deck Material and thickness						
Hold Stringer Plate						
Do. Angles on ditto, No.						
Poop Deck Stringer Plate, breadth & thickness						
Do. Angle on ditto						
Do. Tie Plates						
Do. Deck Material and thickness						
Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness	18		5	18		5
Do. Angle on ditto	3 x 3 x		6	3 x 3 x		6
Do. Tie Plates						
Do. Deck Material and thickness	6 x 2½ PP			6 x 2½ PP		
Forecastle Deck Stringer Plate, brdth & theknss	24		5	24		5
Do. Angle on ditto	3 x 3 x		6	3 x 3 x		6
Do. Tie Plates <i>in way of hatches</i>	54		5/6			6 x 5
Do. Deck Material and thickness	6 x 2½ PP			6 x 2½ PP		
* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.						
BULKHEADS.	Number.	Thickness.	Horizontal.	Vertical.	Single or Double Frames.	Height up.
In Vessel.	Per Rule.	20ths.	Size.	Spacing.	Size.	Spacing.
W.T. BULKHEADS	3	5	3 x 2½ x 20	3 x 2½ x 20	30" double	to A.K.
PARTITION	1	5/6				
LONGITUDINAL						
Are the outside Plates doubled two spaces of Frames in length?					<i>Yes</i>	
Are the Sluice Valves and Watertight Doors in efficient working order?					<i>Yes</i>	



**PLATING.**

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.	EDGES.				BUTTS.					
	AMIDSHIP.	FORWARD.	AFT.	THICKNESS.		Single or Double.	Breadth of Lap.	RIVETS.	Double or Treble and for what Length.	RIVETS.	STRAKS.	IF LAPED.			
FLAT PLATE KEEL (If Bar Keel, state Riveting)	31	9	9	9	30	9	double	4 1/2	3/4	3	double for 1/2 length from each end	3/4	2 3/8	9 1/4	9
GARBOARD OF A STRAKE	5 1/2	8	7	7	8	8	do	4 1/2	3/4	3	do	3/4	2 3/8		7 1/2
B "	5 1/2	8	7	7	8	8	do	4 1/2	3/4	3	do	3/4	2 3/8		7 1/2
C "	5 1/2	8	7	7	8	8	do	4 1/2	3/4	3	do	3/4	2 3/8		7 1/2
D "	5 1/2	8	7	7	8	8	do	4 1/2	3/4	3	do	3/4	2 3/8		7 1/2
E "	4 7/8	6	5	5	6	6	Single	2 1/2	3/4	3	do	3/4	2 3/8		7 1/2
F "	3 1/2	10	7	7	10	10	double	4 1/2	3/4	3	do	3/4	2 3/8		7 1/2
G "															
H "															
J "															
K "															
L "															
M "															
N "															
O "															
P "															
DOUBLING of Flat Plate Keel															
Length of Bilges	24	6	24	6	at break of R.Q.D.										
Length of Sheerstrakes															
Length of Strake below															
POOP SIDES	46	7		5	7	7	Single	2 1/2	3/4	3	double at break	3/4	2 3/8		7 1/2
RAISED QUARTER DECK SIDES															
BRIDGE SIDES															
FORECASTLE SIDES															
LENGTHS OF PLATING	12' 10" including lap														

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, outside Plating, &c. *James Dunlop & Co. Ltd. Glasgow*

Has the Steel been tested as required by the Rules *Yes*

**FRAMES** extend in one length from *Keel* to *Main & Raised Deck Bridge & Foremast* state if ordinary or joggled.

**REVERSED FRAMES** on floors and frames extend from *Centre line to turn of bilge & in way of state if ordinary or joggled*

*raise quarter deck to raised quarter deck & bilge alternately*

**MASTS, SPARS, &c.**

LOWER MASTS.	Fore	Main	Mizen	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.
						At Partners.	Heel.	Heads.	Heads.		Number.	Size.	
Fore	Pitch Pine	43	3	13	13	10 1/2	7						
Main	Pitch Pine	31	6	9 1/2	9 1/2	7	5						
Mizen	Pitch Pine	31	6	9 1/2	9 1/2	7	5						

Bowsprit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds *Fore shrouds 2 1/2 inches 2" steel wire* Stays *Foremast fore stay 3" Backstay 1 1/2 inches*

Sails. *One* Suit of Sails and the following spare sails

Equipment No. *6002* Letter *d*

**ANCHORS.** Tonnage U.D.K. or Plating No. for Traversers

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.			
54256	1st Bower	7	1	15	7	13	3	0	7	1	0	Stockless
54257	2nd "	7	0	9	7	0	21	7	0	0		
	3rd "											
	Collective weight	14	1	24					14	1	0	
54041	Stream	2	1	2	0	2	10	4	17	2	0	Ordinary
	Kedge	3	0						3	0		

*Cast steel anchor heads have been roughed for by 155256 C. Brown & Co. 24/3/05*

**CHAIN CABLES.**

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		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 22.
			Supplied.	Per Table 22.							
58655	90 fms. 1 1/2	13 1/2 tons	29	2	0 1/2	11	16 1/2	8	80	2 1/2	9 1/2
58656	75 fms. 1 1/2	11 1/2 tons	29	2	0 1/2	11	16 1/2	8	75	2 1/2	9 1/2
	165 fms. 1 1/2	11 1/2 tons	29	2	0 1/2	11	16 1/2	8	120	2 1/2	9 1/2

*Iron Stream Chain or Steel Wire (See Lowline).*

**HAWERS AND WARPS.**

Number of Certificate.	Length and size supplied.	Test per Certificate.	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 22.		
										58655	90 fms. 1 1/2
58656	75 fms. 1 1/2	11 1/2 tons	29	2	0 1/2	11	16 1/2	8	75	2 1/2	9 1/2
	165 fms. 1 1/2	11 1/2 tons	29	2	0 1/2	11	16 1/2	8	120	2 1/2	9 1/2

**Boats** *Two* 16' 0" x 5' 6" x 2' 0"

**Pumps**, Number *One* to main hold 2' dia Diameter of Barrel *4"* State whether they are in efficient working order *Yes*

**Windlass** is *Emerson Walker's* Capstan *Gr. J. M. O'Neil's (Steam)*

**Engine Room Skylights**.—How constructed? *of lead*

What arrangements for deadlights in bad weather? *of lead glass & fixed bulleyes*

**Coal Bunker Openings**.—How constructed? *Plate & angle* How are lids secured? *efficient latches* Height above deck? *7' 0"*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *5 each side 2' 6" x 1' 9"*

**Ceiling in Holds**, thickness and material *2 1/2 inch Pine* Cargo Batts, thickness and material *2" Pitch Pine*

**Cargo Hatchways**.—How formed? *Steel coaming. Plate & angles* Hatches. If strong and efficient?

State size No. 1 Hatch (Forward) *12' 3" x 13' 0"* No. 2 Hatch *19' 3" x 13' 0"* No. 3 Hatch *19' 3" x 13' 0"* No. 4 Hatch *19' 3" x 13' 0"*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *one web plate & three fore rafters to each hatch*

No. of Breasthooks *one* No. of Crutches *one*

**Bulwarks**, height above deck and description *4' 0" high built plate stay* Main Rail and Stays, material and size *4 1/2" x 3" 1/2" ball angle*

The above is a correct description

Builder's Signature *John Shearer & Sons, Limited* Surveyor's Signature *P. H. Mackellar* 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 the case)

*2nd March 1905 M. 13 April 05 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 facing surfaces? *Yes* Do any rivets break into or through the seams or butts of the 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.) *Workmanship good*

*This vessel has been built in accordance with the approved plans the secretaries letters of above dates, and in general conformity to the Rules for the class contemplated*

*The following plans are enclosed - Profile & deck plan, 2 midship sections, Pumping plan, Rudder & stern frame.*

*This vessel is a sister ship to S.S. "Colonel" (1900) built by the same firm*

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

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop *46* ft., R.Q.D. or Break *46* ft., Bridge Dk. *7' 0"* ft., Forecastle *18' 7 1/2"* ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated

*The raised quarter is joined to the bridge*

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) *1 dk (S.H.)*

Official No. *1 dk (S.H.)* ; Signal Letters *None* State if Machinery is fitted aft *Yes*

How are the surfaces preserved from oxidation? Inside *Paint & Cement* Outside *Paint*

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, under Engines and Boilers			Fore peak tank		
Double bottom, if under Engines only			After peak tank		
Double bottom, if under Boilers only			Deep tank, aft		
Double bottom, forward			Deep tank, forward		
			Other tanks, if fitted		

Total capacity *27* (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. *4001*

Date *23.3.05*

No. *in builder's yard*

Dates of Surveys held while building *1905: Mar. 10, May 4, 9, 17, 19, 24, Jun. 2, 7, 12, 14, 21, Sep. 12, 21, Aug. 4, 7, 22, 25, 28, 30, Sep. 5, 12, 15, 21, 22, 27, 29, Oct. 16, 18, 22, 27, 31, Nov. 1, 2, 14*

The amount of Entry Fee *£ 2* : : Fees applied for, *4 DEC 1905*

Special *£ 11* : : Received by me, *3.2.1906*

Travelling Expenses, if any *£* : : Certificate to be sent to *Glasgow*

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

I am of opinion this Vessel should be Classed *100. A.1 Steel hull deck*

With, or without Freeboard, as condition of Class *Without*

Committee's Minute *Glasgow - 4 DEC 1905*

Character assigned *+ 100 H (Steel) Class J. R. P.*

*(Bell deck) Power*

*P. H. Mackellar* Surveyor to Lloyd's Register of British and Foreign Shipping.