

Lady Mackay

1st Dks. R.Q. Dk.
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

No. 7345
28 DEC 1909

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

Date of completion of Report 23. December 09 Port of Southampton
Date First Survey 29. Jan'y 08. Last Survey 23. Dec. 1909

Survey held at
On the
TONNAGE under
Tonnage Deck
Do. of Poop
Do. of Raised Or.
Dk. or Break..
Do. of Bridge House
Do. of Forecastle
Do. of Houses on Deck
Do. of excess of Hatchways
above Crown of
Engine Room..
ss Tonnage
Crew Space
above Crown of
Engine Room..
NAGE FOR FEES..
Engine Room
Navigation Spaces
ister Tonnage
cut on Beam ..

76.49
76
9.21
86.46
9.67
9.21
67.58
73.17
2.74
88

ONE ~~DECKED~~ DECKED VESSEL.
CLASS +100 A. For Survey purposes

Master J.A. Gloor.
Year of appointment
Built at Southampton
When built 1908 Launched 27 June 08
By whom built Day Summers & Co.
Owners Ceylon Warpage Co.
Managers
Residence Colombo.
Port belonging to London

Half Breadth (moulded) 8.00
Depth from upper part of Keel to top of Main Deck Bms. 9.33
(with the normal round up of beam)
Girth of Half Midship Frame (as per Rule) 15.55
1st Number 32.88
Length on deck from after part of stem to fore part of stern post 79.00
2nd Number 2597.52
Proportions—Breadths to Length 4.9
Depths to Length—Main Deck to top of Keel 8.4

Destined Voyage If Surveyed while Building, Afloat, or in Dry Dock Building

DEPTH on Deck as Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	Feet.	Inches.	No. of Decks with Flat laid	No. of Tiers of Beams
	79	0		16	0		8	4	one	one

Dimensions of Ship per Register, Length, 80.2 breadth, 16.2 depth, 8.4. Moulded Depth, 9 ft. 0 ins. Round of Beam, Actual 4 ins.

FRAMING.		Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.
NAME, Angles, 1/2 ^{full} for length amidships		2 1/2	2 1/2	5	2 1/2	2 1/2	5			
do. for 1/2 at each end										
do. in way of Double Bottoms at Solid Floors.										
" " at intermdt. Bkts.										
ing of Frames from centre to centre		20			20					
VERSED FRAME, Angles		2 1/2	2 1/2	5	2 1/2	2 1/2	5			
EP FRAMING, depth of girder										
DOORS, depth and thickness of Floor Plate at mid-line for length amidships		12		5	12		5			
" in way of Engines and Boilers										
" thickness at the ends of vessel										
" depth at 3/4 the half breadth, as per Rule										
" height extended at the Bilges										
DOORS & BRACKETS, in Cell Dble Bottoms										
" " state if flanged (top & bottom)										
" " Spacing										
ENTRE GIRDER, in Double Bottom, depth and thickness										
" " Angles, Top										
" " Bottom										
DE GIRDERS, number on each side & thickness										
" " state if flanged (top & bottom)										
" " Angles										
MARGIN PLATE, depth (exclusive of flange) and thickness										
" " Angles to Outside Plating										
" " Floors										
" " Height of Floors at the Bilges										
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake										
" " thickness in Engine and Boiler space										
" " Remainder in Holds										
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate, Tee Bulb		4 1/2	3	6	4 1/2	3	6			
" " Angles on Upper Edge										
" " Spacing		20			20					
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb										
" " Angles on Upper Edge										
" " Spacing										
BEAMS, Hold, Plate or Tee Bulb										
" " Angles on Upper Edge										
" " Spacing										
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb										
" " Angles on Upper Edge										
" " Spacing										
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle Plate, or Tee Bulb										
" " Angles on Upper Edge										
" " Spacing										
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb										
" " Angles on Upper Edge										
" " Spacing										
PILLARS, In 'tween Decks, Size and Spacing		2 1/2 @ 40			2 1/2 @ 40					
" " Hold										
" " Quarter, 'tween Dks.,										
" " in Hold										
WEB FRAMES, In Fore Body, No. and Spacing										
" " No. of Side Stringers										
WEB FRAMES, In E. & B. Space, No. & Spacing										
" " Brdth. & Thickness										
WEB FRAMES, In After Body, No. and Spacing										
" " Brdth. & Thickness										
" " No. of Side Stringers										
" " Size of Angles or Tee Bars to Web Frames										
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness										

FORGINGS AND CASTINGS.		Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.
KEEL, Bar on Side Plates depth and thickness		6 x 1 1/2			6 x 1 1/2					
STEM, moulding and thickness		5 1/4 x 2 1/4			5 1/4 x 2 1/4					
STERN-POST for Rudder do. do.										
" for Propeller		3 1/4			3 1/4					
MAIN PIECE of Rudder, diameter at head do. at heel		2 1/2 x 2			2 1/2 x 2					
RUDDER, how constructed		Side Plates								
Can the Rudder be unshipped afloat?		Yes.								
KEELSONS AND STRINGERS.		Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, 1/2 ^{Built} 1/2 ^{Plate, or Intercoastal Plate}		7 1/2		7	7 1/2		7			
" Rider Plate										
" Bulb Plate to Intercoastal Keelson										
" Horizontal Plates on Floors										
" Angles		4	4	8	4	4	8			
SIDE KEELSON, Angles		4	4	9	4	4	9			
" Bulb or Plate above floors for lng.										
" Intercoastal Plate for length										
" Attached to outside plating with Angle										
BILGE KEELSON, Angles										
" Bulb or Plate above floors for lng.										
" Intercoastal Plate for length										
" Attached to outside plating with Angle										
BILGE STRINGER Angles										
" Bulb Plate for length										
" Intercoastal Plate for length										
" Attached to outside plating with Angle										
SIDE STRINGER Angles		4	4	9	4	4	9			
" Bulb or Intercoastal Plate for lng.										
" Attached to outside plating with Angle										
Main and Raised Quarter Deck Stringer Plate, breadth and thickness		20	5		20	5				
" Angle on ditto		3 x 3	6		3 x 3	6				
" Tie Plates, outside Hatchways		6	6		6	6				
" Diagonal Tie Plates on Bms., No. of Pairs										
" Main Dk* Iron or Steel for lng.										
" R. Q. Dk* Iron or Steel for lng.										
" Wood Deck, Material & thickness		5	2 1/2		5	2 1/2				
Lower Deck Stringer Plate, breadth and thickness										
" Angles on ditto, No.										
" Tie Plates, outside Hatchways										
" Deck* Material and thickness										
Hold Stringer Plate										
" Angles on ditto, No.										
Poop Deck Stringer Plate, breadth & thickness										
" Angle on ditto										
" Tie Plates										
" Deck, Material and thickness										
Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness										
" Angle on ditto										
" Tie Plates										
" Deck, Material and thickness										
Forecastle Deck Stringer Plate, brdth & thcknss										
" Angle on ditto										
" Tie Plates										
" Deck, Material and thickness										
* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.										
BULKHEADS.		Number.	Thickness.	STIFFENERS.				Single or Double Frames.	Height up.	
		In Vessel.	Per Rule.	Horizontal.	Vertical.	Size.	Spacing.	Size.	Spacing.	
W.T. BULKHEADS		4	4	5	2 1/2	4 1/2	2 1/2	30	20	20
PARTITION										
LONGITUDINAL										
Are the outside Plates doubled two spaces of Frames in length?										
Are the Sluice 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.		Ordinary or Joggled?		RIVETS.		Double or Treble and for what Length.		RIVETS.		STRAPS.		IF LAPPED.	
	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing cr. to cr.	Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.		
FLAT PLATE KEEL.....																				
(If Bar Keel, state Riveting)																				
GARBOARD OR A Strake...	3 1/2	6	6	6	32	6			Double	5	1/8	4/8	Oblique	5/8	2 1/2			4 1/2	7 ft.	
State actual thickness in way of Double Bottom.									Single	2 1/2	5/8	2 1/2								
B "		6	5	5	6															
C "		6	5	5	6															
D "		6	5	5	6															
E Shur.	43	6	5	5	43	6														
F "																				
G "																				
H "																				
J "																				
K "																				
L "																				
M "																				
N "																				
O "																				
P "																				
DOUBLING of Flat Plate Keel																				
Length and thickness of Bilges.....																				
of Sheerstrakes..																				
of Strake below																				
POOP SIDES.....																				
RAISED QUARTER DR. SIDES																				
BRIDGE SIDES.....																				
FORECASTLE SIDES.....																				
LENGTHS OF PLATING.....																				

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.?
Siemens Process.
Clyde, Lanarkshire Steel Co. Palmers & Co.
Steel Plate Glasgow Iron Co. Stewart & Co.
Iron Plate South Durham Steel & Co.

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

FRAMES extend in one length from *Center line* to *Gunwale* state if ordinary or joggled *Ordinary*

REVERSE FRAMES on floors and frames extend from *Upper end of Bilge & upper end of bilge* state if ordinary or joggled *"*

MASTS, SPARS, &c.											
	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS....	<i>Fore Mast</i>	<i>32.2</i>		<i>9</i>	<i>6</i>	<i>3</i>					
	<i>Main</i>										
	<i>Mizen</i>										
Bowsprit											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds	<i>2 wire rope</i>										
Sails.	<i>one</i>	Suit of <i>Canvas leg of main & mizen</i>									

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.			
60835	1st Bower ..	3	0	9	3	5	5	12	0	2 1/2	3	0	0	Ordinary	<i>Kingley & Co.</i>	<i>Retested 14/4/08 H. G. ...</i>
60834	2nd " ..	3	0	8	3	3	5	12	0	2 1/2	3	0	0	"	"	"
60833	3rd " ..	1	3	0	1	24	4	4	1	14	1	3	0	"	"	"
	Collective weight															
	Stream ..															
	Kedge ..															

CHAIN CABLES.										HAWERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.		Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 22.			
	Length.	Diam.	Statio- tory.	Break- ing.	Supplied.	Per Table 22.	Length.	Diam.					Length.	Cir.		Length.	Cir.	Length.	Cir.
41814	60	3/4	108	152	18.05	17.12	60	3/4	Steel hink	<i>Kingley & Co.</i>	<i>Retested 14/4/08 H. G. ...</i>	HAWSERS & WARPS	60	5		60	5		
													6	2 1/2		60	2 1/2		
Iron Stream Chain or Steel Wire.....																			

Boats *Two*

Pumps, Number *Three* Diameter of Barrel *4* State whether they are in efficient working order *Yes.*

Windlass is *Direct Steam (Gow & Munzies)* Capstan

Engine Room Skylights.—How constructed? *Steel Coamings Steel Skylight with strong frame deadlight*

What arrangements for deadlights in bad weather? *Brass guards Canvas covers.*

Coal Bunker Openings.—How constructed? *C.I. Scuttles* How are lids secured? *Bayonet Clutch* Height above deck? *Flush*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *3 Scuppers 4 wash ports 21" x 11"*

Ceiling in Holds, thickness and material *2" yellow pine* Cargo Battens, thickness and material *"*

Cargo Hatchways.—How formed? *"* Hatches.—If strong and efficient? *"*

State size No. 1 Hatch (Forward) *"* No. 2 Hatch *"* No. 3 Hatch *"* No. 4 Hatch *"*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *"*

Bulwarks, height above deck and description *26" steel 4/20* No. of Breasthooks *One* No. of Crutches *One*

The above is a correct description. *For DAY, SUMMERS & Co., Ltd.* Main Rail and Stay material and size *Bygone Patent Rail*

Builder's Signature (here only) *Graham E. L. Day.* Surveyor's Signature *J. T. Herbert* 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) *14th July 08*

N. 70 March 08.
Workmanship. Are the butts of plating planed or otherwise fitted? *Chipped*
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 the plating? *Yes 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 *Good*
Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes* State results of tests *Good.*

General Remarks (State quality of workmanship, &c.) *This vessel has been built in accordance with the approved plans, the Surveys, letters, &c. enumerated above & generally in accordance with the rules. The materials and workmanship are good. The shell plating is of iron in accordance with the approved plans except the plates which require furnacing, these latter are of steel.*
This is a sister vessel to the "Emily" See Report No 6905

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop _____ ft., R.Q.D. or Break _____ ft., Bridge Dk. _____ ft., F'castle _____ 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

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) *10th Deck.*

Official No. _____; Signal Letters _____ 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, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft		
Double bottom, if under Boilers only,			Deep tank, forward		
Double bottom, forward,			Other tanks, if fitted,		

Total capacity of double bottom

* 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

Order for Special Survey No. *100*
Date *8th Jan 08*
No. *148* in builder's yard.
DATES OF SURVEYS held while building
*29th Jan 08, 3rd 4th 10th 11th 15th 17th 20th 24th 26th Feb 08, 2nd 4th 6th 17th 19th
27th March 08, 3rd 13th 22nd April 08, 2nd 7th 11th 27th May 08, 11th 22nd June 08,
14th July 08, 15th 26th Oct 08, 13th 23rd Dec 09.*
Total No. of Visits *30*

The amount of Entry Fee£ *1 : 0 : 0* Fees applied for, *23rd Dec 1909.*
Special£ *7 : 0 : 0* Received by me, *27/12/09*
Travelling Expenses, if any £ : :
State whether the Vessel has been built under Special Survey *Yes.*
I am of opinion this Vessel should be Classed *+ for towing purposes.*
With, or without Freeboard, as condition of Class *+ 100% without*
Certificate to be sent to *Southampton*
J. O. Herbert.
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *WED. 29 DEC 1909* telegram attached
Character assigned *100% for towing purposes*
Lloyd's at CP + time 12.09
date of build 1908 General Committee
Thursday 30th December 1909
Date of build to be recorded as 1909
as. Son 30/12/09
28010-067500-67500

The Surveyors are requested not to write on or below the Committee's Minute.

Cash issued 30/12/09

TUE, 18 DEC, 1917

Lloyd's Register Foundation