

STEEL YACHT.

BOX CASE 4864

No. 6308

State if Report is also sent on the Machinery of the Vessel *See*
 Port of *Southampton* Date of completion of Report *20th Sept 1906* Received at London Office *SAT. 22 SEP 1906*
 Survey held at *Southampton* Date of First Survey *November 9th 1905* Last Survey *20th September 1906*

On the *Steel Steam Yacht "Medusa"*

REGISTERED DIMENSIONS.

Length *194.1*
 Breadth *26.1*
 Depth *15.3*

REGISTERED TONNAGE.

Under deck *597.75*

Gross *597.75*

Net *288.88*

Length from fore side of Stem to after side of Stern-post on Deck *190.0*

Breadth, Extreme *26.12*

Tonnage, Thames Measurement *595*

Official Number

Signal Letters

Rig *Schooner*

Number of Masts *Two*

CLASS.

Half Breadth (moulded) *13.0*

Depth from top of Keel to top of Upper Deck Beams at centre (with the normal round up of Beam) *17.04*

Half Midship Girth outside of frames from centre line at top of Keel to top of beam at side *25.10*

Twice Bilge Diagonal from top of Upper Deck Beam at centre to the moulding edge of Frames (as per Rule) *34.50*

Transverse Number *89.64*

Length from outside of Stem to outside of Sternpost or Counter at 15 of Rule depth below top of Beams at centre *195.6*

Longitudinal Number when the proportion of Length to Depth does not exceed seven... *17533.58*

Proportion—Length to Depth *11.47*

Longitudinal Number when the proportion of Length to Depth exceeds seven... *1.447*

25371.09

Built at *Southampton*

When built *1906*

Launched *10th May 1906*

By whom built *Day, Summers & Co. Ltd.*

Owner *Alfred Farguhar Esq.*

Residence *11 Belgrave Square London S.W.*

Port belonging to *Southampton*

If Surveyed while Building, Afloat, or in Dry Dock *Building*

Designer *Builders*

Sailmaker *Beaton Bros. Southampton.*

FRAMING.

	In Yacht.			Required per Rule or as approved.		
	Ins.	Ins.	20ths.	Ins.	Ins.	20ths.
Frames, Angles, for <i>all fore & aft</i> length amidships	3	2 3/4	20	3	2 3/4	20
" " " 1/3 " at ends if reduced...	✓			✓		
Spacing of Frames, heel to heel	22" apart	22" apart		22" apart	22" apart	
Reversed Frames, Angles	2 3/4	2 3/4	20	2 3/4	2 3/4	20
Floors, thickness for 1/3 length amidship	20	20		20	20	
" " in way of Engines	7/20	7/20		7/20	7/20	
" " " Boilers	5/20	5/20		5/20	5/20	
" " at ends of Vessel	5/20	5/20		5/20	5/20	
" " depth at centre, if straight on upper edge..	21" deep	21" deep		21" deep	21" deep	
" " " if extended up the bilge...	✓			✓		
Double Bottom, Centre Girder, depth and thickness	✓			✓		
" " Angles to Top of Centre Girder...	✓			✓		
" " " Bottom " " "	✓			✓		
" " Side Girders, Floors and Brackets	✓			✓		
" " " Angles	✓			✓		
" " Margin Plate, depth and thickness	✓			✓		
" " " Angle to outside plating...	✓			✓		
" " Floors	✓			✓		
" " " in way of Boilers...	✓			✓		
" " Frames and Reversed Frames...	✓			✓		
" " Inner Bottom, middle line strake...	✓			✓		
" " " thickness in Engine space	✓			✓		
" " " " Boiler space...	✓			✓		
" " " Holds...	✓			✓		
Beams, Upper Deck, Angle, Bulb Plate, or Bulb Tee	6" 4 1/2	7/20	6" 4 1/2	7/20		
" " " Angles to Bulb Plate	5 1/2	3 4/10	5 1/2	3 4/10		
" " " Spacing	On alternate frames		On alternate frames			
Cabin Sole, Angle, Bulb Plate, or Bulb Tee	5 1/2	3 7/20	5 1/2	3 7/20		
" " " Angles to Bulb Plate	✓		✓			
" " " Spacing	On alternate frames		On alternate frames			
Pillars to Upper Deck Beams, size and spacing	2 1/2 dia as per plan	2 1/2		2 1/2		
" " Cabin Sole Beams	2 1/2		2 1/2			
Web Frames, No. and spacing	5 as per plan	5 as per plan		5 as per plan		
Breadth and thickness	12 and 18 x 7/20	12 and 18 x 7/20		12 and 18 x 7/20		

BULKHEADS.

	In Yacht.			Required per Rule or as approved.		
	Ins.	Ins.	20ths.	Ins.	Ins.	20ths.
Bulkheads, No. for record in Y. Reg.	4			4		
" " Thickness of plating			7/20			7/20
" " Stiffeners, size	3	3	4/20	3	3 3/4	4/20
" " " spacing	22" apart	22" apart		22" apart	22" apart	

FORGINGS AND CASTINGS.

	In Yacht.		Required per Rule or as approved.	
	Inches.	Inches.	Inches.	Inches.
Keel (Bar Side Plate)	7 x 1 3/4	7 x 1 3/4	7 x 1 3/4	7 x 1 3/4
Stem	7 x 1 3/4	7 x 1 3/4	7 x 1 3/4	7 x 1 3/4
Stern-post, without aperture	✓		✓	
Stern and Propeller post, with aperture	6 3/4 x 3 3/4	6 3/4 x 3 3/4	6 3/4 x 3 3/4	6 3/4 x 3 3/4
Rudder, diameter of Head and Main piece	5 1/2 dia	5 1/2 dia	5 1/2 dia	5 1/2 dia
" " Pintles	2 7/8 dia	2 7/8 dia	2 7/8 dia	2 7/8 dia
" " Thickness of Plate or Plates	7/20	7/20	7/20	7/20
" " How constructed	Built Rudder			

KEELSONS AND STRINGERS.

	In Yacht.			Required per Rule or as approved.		
	Ins.	Ins.	20ths.	Ins.	Ins.	20ths.
Centre Line Keelson, Vertical Plate on top of Floors	11 x 20	11 x 20		11 x 20	11 x 20	
" " Intercoastal Plate	✓			✓		
" " Rider Plate	✓			✓		
" " Angles	3 1/2	3 1/2	20	3 1/2	3 1/2	20
Side Keelson, Angles <i>Double</i>	3 1/2	3 1/2	20	3 1/2	3 1/2	20
" " Intercoastal Plate	✓			✓		
Bilge Keelson, Angles	✓			✓		
" " Intercoastal Plate	✓			✓		
Bilge Stringer, Angles	✓			✓		
" " Intercoastal Plate	✓			✓		
Side Stringer, Angles	✓			✓		
" " Intercoastal Plate	✓			✓		

DECKS.

	In Yacht.		Required per Rule or as approved.	
	Inches.	20ths.	Inches.	20ths.
Upper Deck Stringer Plate, breadth and thickness	36 x 24	20	36 x 24	20
" " " Angle	3 1/2 x 3 1/2	20	3 1/2 x 3 1/2	20
" " " Tie plates, Fore-and-aft	9 x 2	20	9	20
" " " Diagonal, No. of pairs	✓		✓	
" " Wood Deck, Material & thickness	Seak	2 7/8	Seak	2 7/8
Cabin Sole Stringer Plate, breadth and thickness	24	20	24	20
" " " Angles	3 1/2 x 3 1/2	20	3 1/2 x 3 1/2	20

State whether Framing and Plating are of Iron or Steel *Steel*

Manufacturer's name or trade mark of the Iron or Steel used for Frames, Floors, Beams

Keelsons, Tie and Stringer Plates, outside Plating, &c.?
Palmers Shipbuilding & Iron Co. Limited
The Steel Company of Scotland Limited

State process of manufacture of Steel *Siemens Martin*

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

YACHT.

PLATING.										RIVETING.									
AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.				IF LAPPED.					
STRAKES.		AMIDSHIP.		FORWARD.		AFT.		Ordinary or Joggled?		RIVETS.		Double or Triple.		IF LAPPED.					
Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to center.	Diam.	Spacing or to center.	Breadth.	Thickness.				
Bar Keel	4 1/2	7/16	9/16	9/16	9/16	9/16	9/16	Double	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
GABBOARD or A Strake	50	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
End Strake	46	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
B	46	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
C	46	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
D	46	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
E	46	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
F	46	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
G	49	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
H	49	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
J	49	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
K	49	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
L	49	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				
M	49	7/16	9/16	9/16	9/16	9/16	9/16	Single	3/4	3/4	3/4	Double	3/4	2 1/2	1 1/2				

Lengths of Plating 14 ft 8 in

Main Stringer Plate Butts, treble riveted for Half length length amidship.

Butts of Side Stringers, and Tie Plates, treble or double riveted? Double

FRAMES extend in one length from Centre line to Main Deck.

REVERSED FRAMES on floors and frames extend from Cabin sole to Cabin sole.

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.
Fore	Neym Pine	41-10	13 1/2	13 1/2	9 1/2	4 1/4					
Main	Neym Pine	75-3	13 1/2	13 1/2	9 1/2	4 1/4					
Mizen	Neym Pine										

LOWER MASTS

Boomsprit Neym Pine

Topmasts, Yards and Remainers of Spars Neym Pine

Standing and Running Rigging is sufficient in size and good in quality.

Sails One full suit of Canvas

Boats 1 Dingy, 1 Cutter, 1 Gig, 1 Steam and 1 Motor Launch

Windlass, Maker's name Rud the Paisley Capstan ditto Pumps Three

Coamings, Skylights & Companions—State whether strong and efficient, and properly protected, Leak Coamings with glass casings and brass guards with canvas covers.

EQUIPMENT No. 19179-33 LETTER P

ANCHORS.

No. of Certificate.	ANCHORS.	Weight, ex Stock.	Weight of Stock.	Test, per Certificate.	Weight required by Table 24 or 25.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
57144	Bower	12 3 25	3 - 27	14 15	12 2	Intemanns	N. Hingley Son	N. Hingley Son
57143	"	12 2 21	3 - 24	14 10	12 2	"	"	"
57142	"	12 2 16	3 - 24	14 10	12 2	"	"	"
57257	Stream	4 1 2	1 - 10	6 18	4 -	"	"	"
57256	Kedge	1 3 36	2 - 10	4 10	2 -	"	"	"

CHAIN CABLES.

No. of Certificate.	Length and size supplied.	Test per Certificate.	Weight of Chain Cable.	Length and size per Table 24 or 25.	Description.	Makers of Cables.	When and where tested and Superintendent.	Material.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 24 or 25.
39471	108 1 1/2	20 1/2	42 1/2	108 1 1/2	19 1/2	1 1/2	1 1/2	1 1/2	108 1 1/2	20 1/2	108 1 1/2
39472	90 1 1/2	20 1/2	42 1/2	90 1 1/2	19 1/2	1 1/2	1 1/2	1 1/2	90 1 1/2	20 1/2	90 1 1/2
Stream Chain	40 1 1/2	10 1/2	15 1/2	40 1 1/2	17 1/2	3 1/2	3 1/2	3 1/2	40 1 1/2	10 1/2	40 1 1/2
41109	40 1 1/2	10 1/2	15 1/2	40 1 1/2	17 1/2	3 1/2	3 1/2	3 1/2	40 1 1/2	10 1/2	40 1 1/2

HAWSERS.

No. of Certificate.	Length and size supplied.	Test per Certificate.	Weight of Chain Cable.	Length and size per Table 24 or 25.	Description.	Makers of Cables.	When and where tested and Superintendent.	Material.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 24 or 25.
39471	108 1 1/2	20 1/2	42 1/2	108 1 1/2	19 1/2	1 1/2	1 1/2	1 1/2	108 1 1/2	20 1/2	108 1 1/2
39472	90 1 1/2	20 1/2	42 1/2	90 1 1/2	19 1/2	1 1/2	1 1/2	1 1/2	90 1 1/2	20 1/2	90 1 1/2
Stream Chain	40 1 1/2	10 1/2	15 1/2	40 1 1/2	17 1/2	3 1/2	3 1/2	3 1/2	40 1 1/2	10 1/2	40 1 1/2
41109	40 1 1/2	10 1/2	15 1/2	40 1 1/2	17 1/2	3 1/2	3 1/2	3 1/2	40 1 1/2	10 1/2	40 1 1/2

General quality of Workmanship Good

We certify that the above is a correct description of the several particulars therein given.

For DAY, SUMMERS & Co., Ltd.

Builder's Signature A. J. Day

Surveyor's Signature Alex Munro

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) 17. 20th October 1906

25th October 1906. 17. 1st January 1906. 17. 3rd August 1906

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? No

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

General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the accompanying approved plans and the Society's rules for steel yachts. The workmanship and materials used during the construction being of good quality throughout. About 15 tons of ballast consisting of cement and scrap iron have been placed between the floors in the fore hold, the whole forming a solid concrete, as approved in the Secretary's letter dated 3rd August 1906. and about 15 tons of portable ballast fitted in top of floor.

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

PARTICULARS FOR RECORD in the YACHT REGISTER BOOK.—Length of Poop 11 ft., R.Q.D. or Break 11 ft., Bridge Dk. 11 ft., F'castle 11 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 Yacht Register Book) 1. Deck 1. Deck Yellow Pine. 4. Deck Two Tier Beams

Official No. Signal Letters State if Machinery is fitted aft No

How are the surfaces preserved from oxidation? Inside Red Oxide Portland Cement Outside Red Oxide Portland Cement

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system

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 (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.

Order for Special Survey, No. 305

Date 25th October 1906

No. 136 in Builder's Yard.

Dates of Surveys held while building.

First 9th 18th 27th Dec 1st 12th 14th 15th 16th 20th 1905 (29th)

Jan 2nd 5th 9th 15th 17th 23rd 30th Feb 6th 7th 12th 15th 16th 19th 21st 23rd

26th 28th March 6th 9th 12th 16th 19th 20th 22nd 26th 29th April 2nd 4th

4th 12th 19th 23rd 30th May 3rd 7th 8th 10th 16th 20th June 1st 6th 11th 19th 21st 26th

July 5th 11th 15th 16th 20th 24th Aug 2nd 10th 13th Sept 20th 1906 Total No. of Visits 66

Fees applied for, 20 5/6 1906

Received by me, 20 5/6 1906

Travelling Expenses, if any...£

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be classed +100 A. in the Yacht Register

Committee's Minute 1UES. SEP 25 1906

Character assigned 100 A

in Yacht Register + L. D. E. C. L. H.

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

W315-0012(212)