

STEEL YACHT.

WG72-0263 (V2)

State if Report is also sent on the Machinery of the Vessel Glasgow
 Port of Glasgow Date of completion of Report 17th June 1904 Received at London Office 10th July 1904
 Survey held at Glasgow Date of First Survey 22nd Jan 1904 Last Survey 15th June 1904

No. 13969

On the

ST TIGHNAMARA

REGISTERED DIMENSIONS.

Length 93.3
 Breadth 20.1
 Depth 14.65

REGISTERED TONNAGE.

Under deck 145.70

CLASS 100 A - RACING DECK

Half Breadth (moulded) 10.0
 Depth from top of Keel to top of Upper Deck Beams at centre (with the normal round up of Beam) 9.11
 Half Midship Girth outside of frames from centre line at top of Keel to top of beam at side 15.25
 Twice Bilge Diagonal from top of Upper Deck Beam at centre to the moulding edge of Frames (as per Rule) 20.38
 Transverse Number ✓
 Length from outside of Stem to outside of Sternpost or Counter at 15 of Rule depth below top of Beams at centre 85.58
 Longitudinal Number when the proportion of Length to Depth does not exceed seven ✓
 Proportion—Length to Depth ✓
 Longitudinal Number when the proportion of Length to Depth exceeds seven ✓

Built at Glasgow

When built 1904

Launched 5th May 1904

By whom built J. Brown & Co

Owner James Alexander Allan

Residence 25 Rutland St.

Glasgow

Port belonging to Glasgow

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

Designer A. M. Gordon

Sailmaker Leith & Co

FRAMING.

	In Yacht.			Required per Rule or as approved.		
	Ins.	Ins.	20ths.	Ins.	Ins.	20ths.
for $\frac{1}{2}$ length amidships	3	2	6	3	2	6
" $\frac{1}{4}$ " at ends if reduced	3	2	6	3	2	6
mes, heel to heel	22			22		
mes, Angles	3 1/2	2 1/4	5	2 1/2	2 1/4	5
ess for $\frac{1}{2}$ length amidship	18	6	18	6		
in way of Engines		4		4		
" " Boilers		4		4		
at ends of Vessel		5		5		
h at centre, if straight on upper edge	18			18		
" if extended up the bilge						
ttom, 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						
ams, Upper Deck, Angle, Bulb Plate, or Bulb Tee	3	2 1/2	6	3	2 1/2	6
" " " Angles to Bulb Plate						
" " " Spacing	22			22		
MAIN DECK						
" Cabin Sole, Angle, Bulb Plate, or Bulb Tee	3	2 1/2	6	3	2 1/2	6
" " " Angles to Bulb Plate						
" " " Spacing	22			22		
AINING						
Pillars to Upper Deck Beams, size and spacing	2	44	2	44		
MAIN DECK						
" Cabin Sole Beams	2 1/4	44	2 1/4	44		
Web Frames, No. and spacing						
" Breadth and thickness						

BULKHEADS.

	In Yacht.			Required per Rule or as approved.		
	Ins.	Ins.	20ths.	Ins.	Ins.	20ths.
W.T. Bulkheads, No. for record in Y. Reg.	40	4		40	2	
" " Thickness of plating		4		4		
" " Stiffeners, size	3	2	6	3	2	6
" " spacing						

FORGINGS AND CASTINGS.

	In Yacht.		Required per Rule or as approved.	
	Inches.	20ths.	Inches.	20ths.
Keel (Bar or Side Plates)	6	x1	5 3/4	x1
Stem	6	x1	5 3/4	x1
Stern post, without aperture				
Stern and Propeller post, with aperture	5 3/4	x2	5 3/4	x2
Rudder, diameter of Head and Main piece	3 1/2		3 1/2	
" " Pintles	2		2	
" Thickness of Plate or Plates	1 1/2		1 1/2	
" How constructed	Built forging Single plate.			

KEELSONS AND STRINGERS.

	In Yacht.			Required per Rule or as approved.		
	Ins.	Ins.	20ths.	Ins.	Ins.	20ths.
Centre Line Keelson, Vertical Plate or Bulb on top of Floors						
" Intercostal Plate						
" Rider Plate						
" Angles	4	3	6	4	3	6
Side Keelson, Angles						
" Intercostal Plate						
Bilge Keelson, Angles	4	3	6	4	3	6
" Intercostal Plate						
Bilge Stringer, Angles						
" Intercostal Plate						
Side Stringer, Angles	4	3	6	4	3	6
" Intercostal Plate						

DECKS.

	In Yacht.		Required per Rule or as approved.	
	Inches.	20ths.	Inches.	20ths.
AINING				
Upper Deck Stringer Plate, breadth and thickness	15	5	15	5
" " " Angle	2 1/2	2 1/2	5	2 1/2
" " " Tie plates, Fore-and-aft	5 1/2	5	5 1/2	5
" " " Diagonal, No. of pairs				
Wood Deck, Material & thickness	TEAK	3 1/2 x 2	2 1/2 x 2	
MAIN DECK				
Cabin Sole Stringer Plate, breadth and thickness	19 1/2	5 1/4	19 1/2	4 5/8
" " " Angles	2 1/2 x 2 1/2	5	2 1/2 x 2 1/2	5

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. ? D. Bell & Co Ltd
Leith & Co Steel & Iron Glasgow 1904

State process of manufacture of Steel Swedish Ironworks Process
 Has the Steel been tested as required by the Rules Yes

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	Diam. of Rivet.	Spacing or to cr. rivets.	RIVETS.		STRAPS.		IF LAPPED.				
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.					Diam.	Spacing or to cr. rivets.	Breadth.	Thickness.	Breadth.	Thickness.			
Flat Plate Keel.....	38	6	6	6	38	6	DOUBLE	7/8	1 1/4	2	DOUBLE	7/8	2 1/4	8	4	✓	✓		
Garboard or A Strake...	38	5	5	5	38	5	SINGLE 2 1/2	7/8	2 1/4	DOUBLE 7/8	2 1/4	8	4	✓	✓	✓	✓		
B "	38 1/2	5	5	5	38 1/2	5								✓	✓	✓	✓		
C "	42	5	5	5	42	5								✓	✓	✓	✓		
D "	36	5	5	5	36	5								✓	✓	✓	✓		
E "	39 1/2	5	5	5	39 1/2	5								✓	✓	✓	✓		
F "	41 1/4	6	5	5	41 1/4	6								✓	✓	✓	✓		
G "	35 1/4	4	5	5	35 1/4	4								✓	✓	✓	✓		
H "																			
I "																			
J "																			
K "																			
L "																			
M "																			

Write "Shore" or "Ship" in appropriate column.

Lengths of Plating: 13'-0" DOUBLE Butts, treble riveted for FULL length amidship. Straps, single, double or overlapped for FULL length amidship.

Main Stringer Plate: Straps, single, double or overlapped for FULL length amidship.

Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted: 7/8" x 2 1/2".

Inner Bottom Plating, riveting of Edges: DOUBLE Butts. Centre Girder Butts, treble riveted. Keelson Butts, treble riveted.

Frames, riveted through Plates with: 5/8 in. Rivets, about 4 1/2 apart.

Rivets, state whether of Iron or Steel: IRON.

FRAMES extend in one length from Keelson line to gunwale state if ordinary or joggled? Yes

REVERSED FRAMES on floors and frames extend from Keelson line to main deck on every frame state if ordinary or joggled? Yes

MASTS, SPARS, &c.

	Material.	Total length.	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.		Head.	Number.	Size.	Seams.
Fore	P.P.	38-3	9"		6	2 1/2	✓	✓	✓	✓
Main	P.P.	39-6	9"		6	2 1/2	✓	✓	✓	✓
Mizen	P.P.									

Boat: Culbored P.P. 22-0, dis 11'-6 1/2"

Topmasts, Yards and Remainder of Spars: P.P.

Standing and Running Rigging: gal steel wire sufficient in size and good in quality

Sails: the suit of Sails, and the following spare sails:

Boats: hull launch 19'-0" x 5'-6" x 2'-3", sig 16'-6" x 4'-9" x 2'-0", Roughy 10'-0" x 4'-4" x 1'-9"

Windlass, Maker's name: Sum. by 1/2" dia Capstan: none Pumps: none

Coamings, Skylights & Companions—State whether strong and efficient, and properly protected: of Gal steel strong & efficient

EQUIPMENT No. 5860 LETTER ✓ AS APPROVED. 1st January 1904.

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.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.			
4694	Bower	4	3	0	4	3	0	4	2	0	4	2	0	Ryno & Co. Stockton	14/3/04	Self
4698	"	4	2	21				4	2	0	4	2	0	"	"	"
491	Stream	1	2	4	0	1	4	3	10	1	4	1	0	James & Co. Southampton	14/3/04	Self
	Kedge													"	"	"

Drop and mechanical tests made by Mr. Humphreys 20th Feb. 1st March 1904 & 15th 24th Feb 1904

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.	
	Length.	Diam.		Proof.	Supplied.	Per Table 24 or 25.	Length.					Diam.	Length.		Cir.	Length.
34851	45	3/4	2220	2220	2220	2220	4	3/4	James & Co. Southampton	14/3/04	MANILA	45	6	21	4	6
34846	60	3/4	2220	2220	2220	2220	4	3/4	"	"	MANILA	45	4	21	4	6
	60	5							"	"	"					

General quality of Workmanship: good

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

Surveyor's Signature: Geo Brown & Co.

Builder's Signature: Geo Brown & Co.

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)

11. 28. 11. 1903. 1st Jan 1904. 12. 24. 1904. 21. 2nd March 1904 E

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

Planed when practicable.

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

General Remarks (State quality of workmanship, &c.)

This vessel has been built in accordance with the Rules

and approved plans forwarded herewith.

The materials and workmanship are of good quality

The hand frames have been examined and found to work satisfactorily

The keel has been sighted and found to be straight

Two forepeak supports are attached hereto.

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 ✓ 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 Yacht Register Book)

1 Dk. AWNING DECK. 2 Tiers Beams.Official No. ✓; Signal Letters ✓

State if Machinery is fitted aft.

Yes

How are the surfaces preserved from oxidation? Inside

Painted with anti-rust paint

Outside

Paint.

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. 2225

Date: 14th Dec 1903No. 22 in Builder's Yard.

Dates of Surveys held while building.

22. 24. 28 Jan 1904. Feb. 2. 5. 16. 18. 23. 26. 29. March 1. 8. 10. 15. 17. 21. 23. April 1. 5. 8. 13. 25. 27. May 5. 20. 26. June 7. 15.

Total No. of Visits 28Fee for Special Survey, £10

Fees applied for,

17. 6. 1904

Received by me,

21. 6. 1904

23. 6. 1904

Certificate to be sent to

James & Co.

State whether the Vessel has been built under Special Survey

Yes

I am of opinion this Vessel should be classed

H A-AWNING DECK

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

Committee's Minute

Glasgow 20 JUN 1904

FRI. 16 JUN 1905

Character assigned

+ 100 ft. "awning deck" (Steel) blocks & c.c.p. in Jacht Register

HULL CERTIFICATE

WRITTEN

FRI. 16 JUN 1905

100 ft

HULL CERTIFICATE

WRITTEN

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