

W319-0092 (112)

BOX CASE

5705

No. 10126

JUN 25 1902

16 Dks., R.O.Dk.,
and Pt. Awng. Dk.IRON OR STEEL STEAMER. *yacht*State if Report is also sent on the Machinery of the Vessel. *yes*
Date of completion of Report *21st June 1902*
Date, First Survey *23rd September 1901*Port of *Leith*
Last Survey *19th June 1902*Survey held at *Leith*In the *Steel screw steam yacht "Surf"*

ONE OR TWO DECKED VESSEL.

CLASS *+100 A 1st R.*Half Breadth (moulded) *12.75*Depth from upper part of Keel to top of Main Deck Bms. *16.25*Girth of Half Midship Frame (as per Rule) *24.95*1st Number *53.95*Length on deck from *after* part of stem to *fore* part of stern post *176*2nd Number *9495.20*Proportions—Breadths to Length *6.9*Depths to Length—Main Deck to top of Keel *10.83*Destined Voyage *not fixed*If Surveyed while Building, Afloat, or in Dry Dock Building *afloat*No. of Decks with Flat laid *one*No. of Tiers of Beams *one*BREADTH—Moulded *25*Feet. *25*Inches. *6*DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams *14*Feet. *14*Inches. *9*Moulded Depth, *15* ft. *8* ins. Round of Beam, Actual *7* ins.Dimensions of Ship per Register, Length, *185.75* breadth, *25.65* depth, *14.95*

FRAMING.

NAME, Angles, *7¹/₂ E or L* Bars, for $\frac{1}{2}$ length amidships *3¹/₂ 3 4¹/₂ 3¹/₂ 3 4¹/₂*Do. for $\frac{1}{2}$ at each end *3¹/₂ 3 4¹/₂ 3¹/₂ 3 4¹/₂*Do. in way of Double Bottoms at Solid Floors *2¹/₂ 2¹/₂ 5¹/₂ 2¹/₂ 2¹/₂ 5¹/₂*acing "Frames from centre to centre *2¹/₂ 2¹/₂ 5¹/₂ 2¹/₂ 2¹/₂ 5¹/₂*EVERSED FRAME, Angles *2¹/₂ 2¹/₂ 5¹/₂ 2¹/₂ 2¹/₂ 5¹/₂*DEP FRAMING, depth of girder *18*DOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships *4¹/₂ 7¹/₂ 5¹/₂*" in way of Engines and Boilers *as per midship section*" thickness at the ends of vessel *as per midship section*" depth at $\frac{1}{2}$ the half breadth, as per Rule *as per midship section*" height extended at the Bilges *as per midship section*

DOORS & BRACKETS, in Cell Dble Bottoms state if flanged (top & bottom)

" Spacing *as per midship section*CENTRE GIRDER, in Double Bottom, depth and thickness *as per midship section*" Angles, Top *as per midship section*" Bottom *as per midship section*

DE GIRDERS, number on each side & thickness state if flanged (top & bottom)

" Angles *as per midship section*ARCIN PLATE, depth (exclusive of flange) and thickness *as per midship section*Angles to Outside Plating *as per midship section*Floors *as per midship section*Height of Floors at the Bilges *as per midship section*

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake

" thickness in Engine and Boiler space

" Remainder in Hold *as per midship section*

EAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb

" Angles on Upper Edge *as per midship section*" Spacing *as per midship section*

EAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb

" Angles on Upper Edge *as per midship section*" Spacing *as per midship section*

EAMS, Hold, Plate or Tee Bulb

" Angles on Upper Edge *as per midship section*" Spacing *as per midship section*

EAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb

" Angles on Upper Edge *as per midship section*" Spacing *as per midship section*

EAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb

" Angles on Upper Edge *as per midship section*" Spacing *as per midship section*

EAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb

" Angles on Upper Edge *as per midship section*" Spacing *as per midship section*PILLARS, in 'tween Decks, Size and Spacing *3 x 1¹/₂ flat where practicable*" Hold *3 x 7¹/₂ hollow*" Quarter, 'tween Dks. *as per midship section*" in Hold *as per midship section*

WEB FRAMES, in Fore Body, No. and Spacing

" Breadth & Thickness *as per midship section*" No. of Side Stringers *as per midship section*

WEB FRAMES, in E. & B. Space, No. and Spacing

" Breadth & Thickness *as per midship section*" No. of Side Stringers *as per midship section*

WEB FRAMES, in After Body, No. and Spacing

" Breadth & Thickness *as per midship section*" No. of Side Stringers *as per midship section*" Size of Angles on Tee Bars to Web Frames *as per midship section*BRACKET PLATES to Stringers between Web Frames, Depth and Thickness *as per midship section*

Received at London Office

Master *Richard L. Patterson*Year of appointment *1902*Built at *Leith*When built *1902-6* Launched *10th April 1902*By whom built *Hawthornes & Co. Limb*Owners *L. & Lambert Esq*Managers *Residence Moorhall, Cookham.*Port belonging to *Leith*If Surveyed while Building, Afloat, or in Dry Dock Building *afloat*No. of Decks with Flat laid *one*No. of Tiers of Beams *one*BREADTH—Moulded *25*Feet. *25*Inches. *6*DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams *14*Feet. *14*Inches. *9*Moulded Depth, *15* ft. *8* ins. Round of Beam, Actual *7* ins.Dimensions of Ship per Register, Length, *185.75* breadth, *25.65* depth, *14.95*

FORGINGS AND CASTINGS.

KEEL, Bar or Side Plates depth and thickness *7¹/₂ x 2*STEM, moulding and thickness *6³/₄ x 1¹/₂*STERN-POST for Rudder do. do. *7³/₄ x 3³/₄*" for Propeller *7³/₄ x 3³/₄*MAIN PIECE of Rudder, diameter at head *4³/₄*do. at heel *2³/₄*RUDDER, how constructed *With side plates*Can the Rudder be unshipped afloat? *yes*

KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate *13*" Bulb Plate to Intercoastal Keelson *13*" Horizontal Plates on Floors *4 3 7¹/₂ 4 3 7¹/₂*" Angles *4¹/₂ 3¹/₂ 7¹/₂ 4¹/₂ 3¹/₂ 7¹/₂*SIDE KEELSON, Angles *as per midship section*" Bulb or Plate above floors for *as per midship section*" Intercoastal Plate for *as per midship section*" Attached to outside plating with Angle *as per midship section*BULGE KEELSON, Angles *as per midship section*" Bulb or Plate above floors for *as per midship section*" Intercoastal Plate for *as per midship section*" Attached to outside plating with Angle *as per midship section*BULGE STRINGER Angles *as per midship section*" Bulb Plate for *as per midship section*" Intercoastal Plate for *as per midship section*" Attached to outside plating with Angle *as per midship section*SIDE STRINGER Angles *as per midship section*" Bulb or Intercoastal Plate for *as per midship section*" Attached to outside plating with Angle *as per midship section*Main and Raised Quarter Deck Stringer Plate, breadth and thickness *36 7¹/₂ 36 7¹/₂*" Angle on ditto *4 x 3 x 7¹/₂ 4 x 3 x 7¹/₂*" Tie Plates, outside Hatchways *8 7¹/₂ 8 7¹/₂*" Diagonal Tie Plates on Bms, No. of Pairs *5¹/₂ 5¹/₂*" Main Dk* Iron or Steel for *as per midship section*" R. Q. Dk* Iron or Steel for *as per midship section*" Wood Deck, Material & thickness *Leak 2³/₄ x 3 Leak 2³/₄ x 3*" Lower Deck Stringer Plate, breadth and thickness *27 4¹/₂ 27 4¹/₂*" Angles on ditto, No. *2 4 x 3 x 7¹/₂ 4 x 3 x 7¹/₂*" Tie Plates, outside Hatchways *Y.P. 4 x 2 Y.P. 4 x 2*" Deck* Material and thickness *as per midship section*Hold Stringer Plate *as per midship section*" Angles on ditto, No. *as per midship section*Poop Deck Stringer Plate, breadth & thickness *as per midship section*" Angle on ditto *as per midship section*" Tie Plates *as per midship section*" Deck, Material and thickness *as per midship section*Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness *as per midship section*" Angle on ditto *as per midship section*" Tie Plates *as per midship section*" Deck, Material and thickness *as per midship section*Forecastle Deck Stringer Plate, brdth & thcknss *32 6¹/₂ 32 6¹/₂*" Angle on ditto *4¹/₂ x 3¹/₂ x 7¹/₂ 4¹/₂ x 3¹/₂ x 7¹/₂*" Tie Plates *8 8*" Deck, Material and thickness *Leak 3¹/₂ x 3 Leak 3¹/₂ x 3*

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

STIFFENERS.

BULKHEADS.

W.T. BULKHEADS *5 5 4¹/₂ x 7¹/₂*PARTITION *as per midship section*LONGITUDINAL *as per midship section*Are the outside Plates doubled two spaces of Frames in length? *yes*Are the Sluice Valves and Watertight Doors in efficient working order? *yes*

PLATING.

RIVETING.

	AS IN SHIP.						PER RULE OR AS APPROVED.		EDGES. Ordinary or Joggled?				BUTTS.							
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.	Breath of Lap.	RIVETS.			Double or Treble and for what Length.	RIVETS.		STRAFS.		'IF LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.	Inches.		Diam.	Spacing cr. to cr.	Breadth.	Thick-ness.		
	Inches	16ths or 20ths	16ths or 20ths	16ths or 20ths	Inches	16ths or 20ths	Inches	16ths or 20ths		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	16 or 20ths	Inches.		
Flat Plate Keel <i>(If Bar Keel, state Riveting)</i>																				
GARBOARD OF A Strake ...	44	7/16	9/16	9/16	44	7/16	44	7/16	5	1 1/2	3/4	3 5/8	S.W. Len	3/4	2 5/8	9 3/4	9/16			
State actual thickness in way of Double Bottom.	C	53	7/16	7/16	45 1/2	9/16	53	7/16	5	1 1/2	3/4	3 5/8	N.S.W. Len	3/4	2 5/8	14 1/2	9/16			
D	44	9/16	9/16	9/16	44	9/16	44	9/16	5	1 1/2	3/4	3 5/8	Y. W. Len	3/4	2 5/8	14 1/2	9/16			
E	53	7/16	7/16	7/16	53	7/16	53	7/16	5	1 1/2	3/4	3 5/8	do	3/4	2 5/8	14 1/2	7/16			
F	47	9/16	9/16	9/16	47	9/16	47	9/16	5	1 1/2	3/4	3 5/8	S.W. Len	3/4	2 5/8	14 1/2	9/16			
(three) G	50	9/16	9/16	9/16	50	9/16	50	9/16	5 (11 top)	9 3/4	3/4	3 5/8	L. W. Len	3/4	2 5/8	14 1/2	11/16			
H																				
J																				
K																				
L																				
M																				
N																				
O																				
P																				
Doubling of Flat Plate Keel																				
Length and thickness of Bilges																				
of Sheerstrakes																				
of Strake below																				
POOR SIDES																				
RAISED QUARTER DE SIDES																				
BALANCE SIDES																				
FORECASTLE SIDES																				
LENGTHS OF PLATING	12 ft + over																			

Write "Sheer Strake" opposite its corresponding letter.

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.: Demans's Master Steel, angles by Lancashire Steel Co. Ltd. bulks by Steel Co. of Scotland. Plates by Glasgow Harb. & Steel Co. Ltd. Vessels by Steel Co. Ltd. & Clydebridge Steel Co. Ltd.

Has the Steel been tested as required by the Rules Yes

Main Stringer Plate { Butts, treble riveted for half length amidship.
Straps, single, double or overlapped for 10 length amidship

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

Inner Bottom Plating, riveting of Edges Butts

Centre Girder Butts, treble riveted. Keelson Butts, treble riveted.

Frames, riveted through Plates with 3/4 in. Rivets, about 5 1/2 apart.

Rivets, state whether of Iron or Steel Lowland Iron

FRAMES extend in one length from Keel to gunwale + main rail alternately state if ordinary or joggled Ordinary
 REVERSED FRAMES on floors and frames extend from Keel to gunwale + above cabin sole state if ordinary or joggled Ordinary
stungie alternately

MASTS, SPARS, &c.

	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Scams.	Butts.
LOWER MASTS. { Fore	Two pitch pine pole masts.										
Main											
Mizen											
Bowsprit <i>Pitch pine</i>											
Topmasts, Yards and Remainder of Spars <i>Wood</i>											
Rigging, Material and Size, Shrouds <i>Steel Wire 2 1/4"</i>											
Sails. <i>One</i>	Suit of <i>Schooner</i>										
						Stays. <i>3"</i>					
						Sails and the following spare sails. <i>✓</i>					

Equipment No. 10162 Letter ✓ ANCHORS Tonnage U.Dk. or Plating No. for Trawlers ✓

ANCHORS

Tonnage U.Dk. or Plating No. for Trawlers

Number of Certificate.	Anchors.	WEIGHT, EX STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE XX. APPROVED FOR BRITISH SEA.			Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.	
1114	1st Bower ..	15	0	2				16	12	0	21	15	0	0	Stockless	Watterson Smith Dundee	7/2/02	Welford
1313	2nd „ „	13	3	2				15	10	1	7	13	3	0	do	do	7/3/02	do
1113	3rd „ „	12	2	11				14	8	1	21	12	2	0	do	do	6/2/02	do
	Collective weight	41	1	15								41	1	0				
46485	Stream	3	2	8	0	3	23	6	0	3	21	3	2	0	Thomas & Richardson	do	24/1/02	Green
46486	Kedge	1	3	0	0	1	28	4	4	1	14	1	3	0	do	do	24/1/02	do

CHAIN CABLES.

Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.		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 22.								
Length.	Diam.	Statu- Yards.	Break- Yards.	Supplied.	Per Cable.	Length.	Diam.	Length.	Diam.					Length.	Clr.	Yards.	Yards.	Length.	Clr.							
765	3	105 1/2	13 1/2	15	7	38	0	78	4	2.3	141	0	16	195	13 1/2	Stud	Henry Wood & Co	Charleston	14/5/2	Each	TOWLINE	90	8 1/2	75	8 1/2	
765	4	90	13 1/2	10	8	45	3	24	✓	75	9 1/2	Sheet	do	do	14/5/2	do	do	do	14/5/2	do	HAWERS&WARPS	90	5 1/2	90	5 1/2	
765	5	75	3/16	3	15	0	7	10	14	2	✓	75	9 1/2	Sheet	do	do	do	do	do	14/5/2	do	"	150	4	75	4
765	6	60	3/4	10	2	2	18	1	3	17	1	3	60	13 1/2	Stud	do	do	do	do	13/5/2	do	"	150	3	75	3

HAWSERS AND WARPS

Boats 5
Pumps, Number 4 Diameter of Barrel $4\frac{1}{2}$ " State whether they are in efficient working order *yes*
Windlass is *L. Reid & Son's, Paisley* Capstan *L. Reid & Son's, Paisley*
Engine Room Skylights.—How constructed? *Lead with steel coaming*
What arrangements for deadlights in bad weather? *Canvas covers*
Coal Bunker Openings.—How constructed? *Glass portholes* How are lids secured? *by lugs* Height above deck? *flush*
Number of Scuppers, and number and dimensions of Freeing Ports, &c. *8 scuppers & 3 freeing ports 23" x 16" each side*
Ceiling in Holds, thickness and material *$1\frac{1}{2}$ " pine* Cargo Battsens thickness and material *lining*
Cargo Hatchways.—How formed? *none* Hatches.—If strong and efficient? *✓*
Hatch 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 3' 3" high x 7/8"
 The above is a correct description.
 Builder's Signature (here only). John Smith
No. of Breasthooks 3 **No. of Crutches** 2
 Main Rail and Stays, material and size Leak 7 x 3 1/4 angle 3 1/2 x 3 1/4
 Surveyor's Signature Thomas Field
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Form No. 1A

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made to any correspondence connected with the case*). *m. 17/9/0*

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*

to plate, &c., conform well to each other? *yes*

from the faying surfaces? *yes*

Do the holes for riveting plate to frames, butt straps, or plate

Are the rivet holes well and sufficiently countersunk in the plate and punched

Do any rivets break into or through the seams or butts of the plating? *Only a few at 1st*

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

with the approved plans & the Rules for steel yachts & the materials & workmanship are found & good.
The midship section was forwarded on 4th June 1902.
The profile & forging report are forwarded herewith

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 26 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*)..... 1 *SA*.

Official No. _____; Signal Letters _____ State if Machinery is fitted aft *Aft amidships.*

How are the surfaces preserved from oxidation? Inside Portland cement + paint 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,		
			Or necessary, furnish further information by sketch.		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. <u>290</u>	DATE of SURVEY held while building	1901 Sept 23, 26, Oct 21, Nov. 4, 8, 11, 13, 15, 20, 25, 27, Dec. 10, 16, 19, 27, 30 1902 Jan. 8, 14, 17, 23, Feb 4, 11, 17, 24, Mar 7, 17, 21, Ap 1, 9, 16, 26, May 13, 23, June 3, 16, 19.
Date <u>13th Sept 1901</u>		
No. <u>91</u> in builder's yard.		
		Total No. of Visits <u>36</u>

The amount of Entry Fee : : : Fees applied for, 23rd June 1902 Certificate to be sent to Lith

Special... £ 33 : 11 : 0 Received by me
Travelling Expenses, if any £ - : - : - 27/1/02 30/1/02

State whether the Vessel has been built under Special Survey yes

I am of opinion this Vessel should be Classed +100 A1 per 4-R.
 With, or without Freeboard, as condition of Class Without freeboard

Thomas Field
 Surveyor to Lloyd's Register of British and Foreign Shipping

Committee's Minute WED. 25 JUN 1902 ✓

Character assigned..... 100A1 Steel

Slays a r.p. *Chach*

$\frac{1}{2} \times 10 = 5$

72MC6,02

HULL CERTIFICATE
WRITTEN 28 6,02

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