

STEEL YACHT.

BOX CASE.

14654

317

State of Report is also sent on the Machinery of the Vessel *Yes*
 Port of *Middlesbrough* Date of completion of Report *30th April 1924* Received at London Office No. *11920*
 Survey held at *Haverton Hill on Tees* Date of First Survey *14th May 1923* Last Survey *17th April 1924*
 On the *Steel Twin Screw Motor Yacht "PRINCESS"*

REGISTERED DIMENSIONS.
 Length *186.0*
 Breadth *30.1*
 Depth *14.7*
REGISTERED TONNAGE.
 Under deck *524.84*
 Gross *730.01*
 Net *281.81*
 Length from fore side of Stem to after side of Stern-post on Deck *186*
 Breadth, Extreme *30.1*
 Tonnage, Thames Measurement *751.31*
 Official Number *127486*
 Signal Letters
 Rig *Fore and Aft*
 Number of Masts *Two*

CLASS ☒ **100A1.**
 Half Breadth (moulded) *15.0*
 Depth from top of Keel to top of Upper Deck Beams at centre (with the normal round up of Beam) *16.62*
 Half Midship Girth outside of frames from centre line at top of Keel to top of beam at side *26.58*
 Twice Bilge Diagonal from top of Upper Deck Beam at centre to the moulding edge of Frames (as per Rule) *36.42*
 Transverse Number *94.62*
 Length from outside of Stem to outside of Sternpost or Counter at 15 of Rule depth below top of Beams at centre *196.75*
 Longitudinal Number when the proportion of Length to Depth does not exceed seven... *✓*
 Proportion—Length to Depth *11.83*
 Longitudinal Number when the proportion of Length to Depth exceeds seven... *27608*

Built at *Haverton Hill on Tees*
 When built *1924*
 Launched *22 March 1924*
 By whom built *Duness Ship Coy Ltd.*
 Owner *Sir James Knott, Bart.*
 Residence *Wylam Lodge Torquay*
 Port belonging to *Jersey*
 If Surveyed while Building, and Afloat, or in Dry Dock *Yes*
 Designer *Duness Ship & Coy.*
 Sailmaker *Ratsey + Latham (Gosport).*

FRAMING.			In Yacht.			Required per Rule or as approved.		
	Ins.	Ins.	20ths.	Ins.	Ins.	20ths.		
Frames, Angles, for $\frac{1}{2}$ length amidships	4	3	6	4	3	6		
" " " " at ends if reduced...	✓	✓	✓	✓	✓	✓		
Spacing of Frames, heel to heel		22			22			
Reversed Frames, Angles	22	22	5	22	22	5		
Floors, thickness for $\frac{1}{2}$ length amidship	22	6		22	6			
" " in way of Engines	50	46	12 3/4	48	12 3/4			
" " " " Boilers	✓			✓				
" " at ends of Vessel			5			5		
" depth at centre, if straight on upper edge..		22			22			
" if extended up the bilge...	✓			✓				
ENGINE ROOM Centre Girder, depth and thickness	50	46	9	48	9			
" " Angles to Top of Centre Girder...	3	3	8	3	3	8		
" " " " Bottom " "	32	32	7	32	32	7		
" " 2 Side Girders, Floors and Brackets	5	8		5	8			
" " " " Angles	6	6	12	6	6	12		
" " TOP PLATES	13	10		10				
" " 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	52	3	6 7/8	52	3	6 7/8		
" " " " Angles at Casings	8	3	7 1/2	8	3	7 1/2		
" " " " Angles to Bulb Plate	5	3	6	5	3	6		
" " " " Spacing		44			44			
" Cabin Sole, Angle, Bulb Plate or Bulb Tee	56	3	10	6	3	9		
" " " " Angles to Bulb Plate	25	3	6	5	3	6		
" " " " Spacing		44			44			
Pillars to Upper Deck Beams, size and spacing	32	14	every	32	14	every		
" Cabin Sole Beams	20	10	every	20	10	every		
Web Frames, No. and spacing	3	in Eng Room		3	in Eng Room			
" Breadth and thickness	14	6		14	6			

FORGINGS AND CASTINGS.			In Yacht.			Required per Rule or as approved.		
	Inches.	20ths.	Inches.	20ths.	Inches.	20ths.		
Keel (Bar or Side Plates)	Flat plate	Keel						
Stem	6 3/4 x 13 1/4	6 3/4 x 13 1/4						
Stern-post, without aperture	6 x 2 1/2 and 6 3/4 x 2 3/4	6 x 2 1/2 and 6 3/4 x 2 3/4						
Stern and Propeller post, with aperture	✓	✓						
Rudder, diameter of Head and Main piece	6 1/2	5 1/2						
" " Pintles	4	4						
" Thickness of Plate or Plates	32	32						
" How constructed	Forged frame; double plate; vertical coupling.							

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	25 1/2	6		25 1/2	6			
" Intercoastal Plate	9	32	10	9	32	10		
" " " " double bulb angles	32	32	7	32	32	7		
" " " " at Keel	6	4	10	6	4	10		
" " " " Intercoastal Plate	✓			✓				
" " " " Bilge Keelson, Angles								
" " " " Intercoastal Plate								
" " " " Bilge Stringer, Angles								
" " " " Intercoastal Plate								
" " " " Side Stringer, Angles in Engine Room (one)	30	6	6	30	6	6		
" " " " Face plate	14	6		14	6			
" " " " Intercoastal Plate	✓			✓				

DECKS.			In Yacht.			Required per Rule or as approved.		
	Inches.	20ths.	Inches.	20ths.	Inches.	20ths.		
Upper Deck Stringer Plate, breadth and thickness	65	6	63	6				
" " " " Angles (2 off)	32	32	7	32	32	7		
" " " " Tie plates, Fore-and-aft	10	7	9 1/2	7				
" " " " Diagonal, No. of pairs	✓	✓	✓	✓				
" " " " Wood Deck, Material & thickness	Elberham Blue Mahogany	2 1/2		2 1/2				
Cabin Sole Stringer Plate, breadth and thickness	6	6		6				
" " " " Angles	6 x 32	6		6 x 32	6			

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

Write "Sheer Strake" opposite its corresponding letter.

PLATING.							RIVETING.											
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES. Ordinary or Joggled? <i>Ordinary.</i>					BUTTS.						
	AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap. <i>E.S.</i> Inches.	RIVETS.		Double or Treble and for what Length. <i>Double 3/4</i>	RIVETS.		STRAFS.		IF LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thick- ness.	Breadth.	For wha Length.	
	Inches	20ths	20ths	20ths	Inches	20ths			Inches.	Inches.		Inches.	Inches.	Inches.	20ths	Inches.	Inches.	
FLAT PLATE KEEL..... <i>(If Bar Keel, state Riveting)</i>	32	12	11	11	32	12	double	5 1/4	7/8	3 1/2	double	7/8	3 1/2	9 3/4	10 3/4	12	✓	✓
GARBOARD OF A Strake...		9	7	7.3		9	✓	"	4 1/2	3/4	3 1/2	double	3/4	2 5/8	9 3/4	10 1/8	✓	
B " "		8	7	7.2		8	"	"	"	"	"	"	"	"	9 1/8	✓		
C " "		8	7	7.2		8	"	"	"	"	"	"	"	"	9 1/8	✓		
D " "		8	7	7.0		8	"	"	"	"	"	"	"	"	9 1/8	✓		
E " "		9	7	7		9	<i>Eagle Strake</i>	"	"	"	"	"	"	"	10 1/8	✓		
F " "	48 1/2	9	7	7	41	9	do	do	"	"	"	"	"	"	10 1/8	✓		
SHEERSTRAKE G " "	43 1/2	9	7	7	48	9	✓				double	"	"	14 1/2	10 1/8	✓		
H " "																		
J " "	Join end of bow: 5 1/2 ft				11		✓				double	3/4	2 5/8	14 1/2	10	✓		
SHEERSTRAKE INCREASED K " "	7 frame chases																	
PROMENADE ON SIDES L " "		6				6	✓	Single	2 1/2	5/8	2 3/4	Single	5/8	2 1/2	4 1/2	6	✓	
FORECASTLE " M " "		5				5	✓	"	"	"	"	"	"	"	5		✓	

Lengths of Plating 14'-6" to 12'-6" generally. ✓
 Butts, treble riveted for 1/2 L to abut ends, length amidship. ✓
 Stringer Plate Straps, single, double or overlapped for full 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, riveted. ✓
 Frames, riveted through Plates with 3/4 in. Rivets, about 5 1/2" apart. ✓
 Rivets, state whether of Iron or Steel Iron

FRAMES extend in one length from Centre Girder to upper 5th & from on alt ✓ state if ordinary or joggled ordinary.
 REVERSED FRAMES on floors and frames extend from centre girder to cabin sole & under deck in ✓ state if ordinary or joggled ordinary.
 Engine space

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	Fore	Wood - Helt & Haws	Oregon Pine 46'-6"	15	15	12		✓	✓	✓	✓	✓
	Main	do	48'-0"	15	15	12		✓	✓	✓	✓	✓
	Mizen											
Bowsprit ✓												

Topmasts, Yards and Remainder of Spars 30'-6" in length - 3" dia at top ✓
 Standing and Running Rigging G. S. Wire sufficient in size and good in quality ✓
 Sails white cotton for top sail, all top sail, main mast. ✓ Sails, and the following spare sails
 Boats 1-25'-0" mizen launch; 1 @ 16'-0" mizen launch; 1 lifeboat 24'-0" and 1 dinghy 14'-0" ✓
 Windlass, Maker's name Reid's Electric and Hand Capstan Reid's Electric and Hand Pumps 6" Hand Pump 15" Steam Jet, Semi Rotary Pump & Chain Locker and Downer Pump.
 Coamings, Skylights & Companions - State whether strong and efficient, and properly protected ✓
 Steering Gear - Helt & Shaw Hydro-Electric. Mahan Caldwell Hand Steering by Blocks & Tackle led to Capstan.

EQUIPMENT No. 20541 LETTER R

ANCHORS.

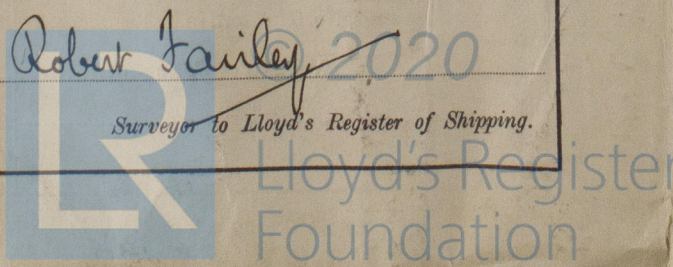
No. of Certificate.	ANCHORS.	Weight, as Stock.			Weight of head.			Test, per Certificate.				Weight required by Table 24 or 25.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
27679	Bower	17	0	21	10	3	7	18	8	3	0	17	2	0	Byers improved	not stated	Swindon 22 Aug 23
27681	"	17	0	14	10	3	7	18	6	3	14	16	2	0	do	do	do
27680	"	15	1	14	9	3	21	16	16	2	7	15	0	0	do	do	do
57618	Stream	4	3	7	1	1	0	7	2	2	0	4	2	0	Forged Wrought Iron	Sam. Taylor & Sons	Dipton 28 May 23
57619	Kedge	2	1	11	-	2	10	4	17	2	0	2	1	0	"	"	Dipton 25 May 23

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.	Break-ing.	Supplied.	Per Table 24 or 25.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
57884	195 1/2	1 1/2	46 1/2	31	175-0-0	172-1-11	195	1 1/2	Stud Link	Sam. Taylor & Sons	Dipton 14 June 23	TOWLINE	90	9	✓	90	9
58092	60 1/2	1 1/2	17 1/2	11 1/2	22-1-13	20-1-11	60	1 1/2	do	do	Dipton 28 May 23	WARP	90	5 1/2	✓	90	5 1/2
58733	62 1/2	1 1/2	46 1/2	31	1-0-7				Stud Link	do	Dipton 3 April 24						
58734	62 1/2	1 1/2			1-0-8						W.A. Drysdale						

General quality of Workmanship Good.

We certify that the above is a correct description of the several particulars therein given.
 GUINNESS SHIPBUILDING CO. LIMITED,
 Builder's Signature Am Quarrie
 Surveyor's Signature Robert Fairley
 Surveyor to Lloyd's Register of Shipping.



YACHT.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case). From 26th March 1923 to 6th March 1924.

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 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

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

This vessel has been built in accordance with the approved plans, the Secretary's letters of above dates and in general conformity with the Rules for the contemplated class. Steering Gear, Windlass and Capstan tested with satisfactory results.

The approved plans 18 in number together with Midship Section, Profile and Decks of vessel (as built) and 4 Tonnage and Lifting Certificates are forwarded herewith. The Downton Pump has not been tested at this Port but the Builders have stated this would be done at Gosport and the Southampton Surveyors have been advised accordingly.

These plans will be forwarded when received from the Builders.

With reference to the Secretary's freeboard assignment letter of the 28th March I have to state that the Plimsoll mark has not been marked on this vessel's side and I am informed by the Builders it is not now intended to do so. In these circumstances no fee has been charged for freeboard and I shall be glad to learn that this is in order.

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. 78-83 ft.,

Forecastle 47-75 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) One complete steel Deck wood covered.

Official No. 127486; Signal Letters — State if Machinery is fitted aft No

How are the surfaces preserved from oxidation? Inside Briggs Bituminous Solution and enamel Outside Paint

Ballast tanks Bituminous Deisel oil in oil tanks.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system No.

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank, <u>water ballast in stores</u>	<u>16.0</u>	<u>13.57</u>
Double bottom, under Engines and Boilers,			After peak tank, <u>do</u>	<u>16.5</u>	<u>14.32</u>
Double bottom, if under Engines only,			Deep tank, aft <u>water ballast</u>	<u>12.82</u>	<u>24.71</u>
Double bottom, if under Boilers only,			Deep tank, forward <u>water ballast in stores</u>	<u>9.14</u>	<u>11.11</u>
Double bottom, forward,			Other tanks, if fitted, <u>OIL FUEL</u>	<u>22.0</u>	<u>36.1</u>
			<u>do</u>	<u>9.14</u>	<u>37.02</u>
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 Yes

Order for Special Survey, No. 367

Date 19/1/23

No. 46 in Builder's Yard.

Dates of Surveys held while building.

1923 May 14, 15, 16, 17, 18, 25 June 7, 11, 21, 22, 27, 29 July 2, 4, 6, 9, 10, 11, 12, 13, 16, 17, 19, 25, 26, 30, 31 Aug. 1, 2, 3, 7, 9, 10, 13, 15, 17, 28, 30, 31 Sept. 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 24, 25, 26, 27, 28, Oct. 1, 2, 3, 5, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 22, 23, 25, 26, 30 Nov. 6, 7, 8, 9, 12, 14, 15, 16, 19, 20, 22, 26, 27, 29, 30 Dec. 3, 5, 7, 10, 13, 14, 18, 19, 20, 28
1924 Jan. 3, 4, 7, 8, 9, 11, 14, 22, 23, 28, 31 Feb. 1, 4, 12, 20, 25, 29, Mar. 4, 5, 7, 13, 17, 20, 21, 22, 24, 26, Apr. 7, 14, 15, 16, 17
Total No. of Visits 136

Fee for Special Survey.....£ 61 : 12 : 0

(per Sec. 1, par. 12.)

Freeboard Fee £ 4 : 0 : 0

Travelling Expenses, if any...£ : : :

Fees applied for,

1924

Received by me,

18/1/24

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be classed 100A1 [subject to the Downton Pump being found satisfactory after test.]

FRI. MAY. 9 1924

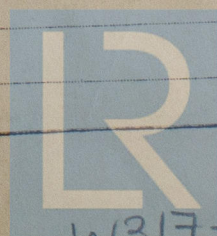
Committee's Minute

Character assigned

100A1
Yacht Register
Lloyd's A.S.B. R.
Lloyd's A.S.B. R.

CERTIFICATE WRITTEN
19.6.24

+ L.M.B. 4.24 C.L.
oil engines



© 2020

Lloyd's Register
Foundation

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

STRAKES.

T PLATE KEEL
Bar Keel, state
BOARD OF A

B
C
D
E
F
RSTRAKE G
H
J
K
MENADE L
RECASTLE M

hs of Pla
Deck
Stringer I
of Bilge &

IES extend
RSED FRA

R MASTS

rit. ✓
ists, Var
ling an
white c
1-25

lass, M
ings, S
ing

MENT

of
cate.

19
81
80
18
19

o. of
ificate.

88 H
092
a Chai
733
734

ral q

ler's

W.T. BULKHEADS	NUMBER	Thickness	HORIZ. STIFFS	VERTICAL SCANTLING	STIFFS SPACING	DOUBLE OR SINGLE	HEIGHT UP
In Nessel	5 to upper 46 to lower 54	✓ in 20 ^{ths}					
Rule	4 to upper Deck.	✓					
	Position of Bls	✓					
✓	Nº 3 Frame	5	✓	3 1/2 x 2 1/2 x 50 A	22"	Single D.R.	✓ upper Deck
✓	12	5	✓	do	do	do	✓ Lower
✓	19	5	✓	do	18"/22"	do	✓ do
✓	39/42	6/5	W.I. Plat.	do	22	do	✓ upper 54
✓	65	5	Lower Plat.	do	"	"	✓ "
✓	Offidam Bls	6	✓	3 1/2 x 3 x 6 "	21/22	"	✓ Lower 54
✓	Oil Tight	70	✓	5 x 3 x 6 "	21"	"	✓ "
✓	O.T. (Lower Plat)	75	6/5 1	5 x 3 x 6 "	21"	"	✓ upper 54
✓	O.T.	87	✓	5 x 3 x 6 "	21/22	"	✓ Lower
✓	Collisim Bls	92/95	Chari (upper Flat.	3 x 2 1/2 x 5	18	"	✓ upper Deck
✓	Long: Bls	70/92	6/5	5 x 3 x 6 3 1/2 x 3 x 6	22"	"	✓ Lower Plat.



© 2020

Lloyd's Register
Foundation