

# Sailing Vessel. ~~IRON OR~~ STEEL SAILING SHIP.

(Received at London Office 20 JAN 1892)

Date of completion of Report 19<sup>th</sup> January 1892 Port of Greenock  
 Survey held at Port Glasgow Date of First Survey 1<sup>st</sup> April 1891 Last Survey 15<sup>th</sup> January 1892  
 Name of Vessel "Dunbridge"

AGE under 20 71.79 ONE OR TWO DECKED VESSEL. Master R. Little.  
 Poop 86.65 CLASS 100 A.1. Year of Appointment 1892.

Half Breadth (moulded) 20.83 Built at Port Glasgow.  
 Depth from upper part of Keel to top of Upper Deck Beams 26.87 When built 1891.2 Launched 17.12.91.  
 Girth of Half Midship Frame (as per Rule) 42.65 By whom built W. Hamilton & Co.  
 1st Number 90.35 Owners Potter Bros.  
 Length 265.16 Managers  
 2nd Number 23957  
 Proportions—Breadths to Length 6.36  
 Depths to Length—Upper Deck to top of Keel 9.86  
 Destined Voyage Cardiff. Residence 42 Anchurch St London.  
 Surveyed while Building Afloat, or in Dry Dock.

Dimensions of Ship per Register, Length 276.8 breadth 42.0 depth 24.25 Moulded depth, ft. 26 in. 0. Round up of Beam 10 1/2 ins.  
 Breadth—Moulded 41 Depth—Top of Floors to Upper Deck Beams 24 7/2  
 No. of Decks with Flat laid one  
 No. of Tiers of Beams two

**ORGINGS AND CASTINGS.**  
 Bar or Side Plates, depth and thickness 10 x 2 3/8  
 moulding and thickness 10 x 2 3/8  
 POST, do. do. 10 x 2 3/8  
 PIECE OF RUDDER, diameter at head 7 1/2  
 at heel 7 1/2  
 Rudder, how constructed Iron forging, plated.  
 Rudder be unshipped afloat? Yes.

**FRAMING.**  
 B, Angles, or 7 Bars, for 1/2 length amidst 5 1/2 3 1/2 8 5 1/2 3 1/2 8  
 or 1/2 at each end 7 7  
 way of Double Bottoms 24 24  
 of Frames from moulding edge to lining edge, all fore and aft 4 3 1/2 8 4 3 1/2 8  
**USED FRAME, Angles** 27 10 27 10  
**RS, depth and thickness of Floor Plate** 13 1/2 13 1/2  
 at mid line for 1/2 length amidstships 65 54  
 thickness at the ends of vessel 8 8  
 depth at 1/2 the half breadth, as per Rule 13 1/2 13 1/2  
 height extended at the Bilges 54 54  
**RS & BRACKETS, in C&D B&C Bottoms**  
 distance apart 11 10 11 10  
**VE CHDER, in D&B Btm, dpth & thcknes**  
 Angles, Top Bottom 48 48  
**RDERS, number and thickness**  
 Angles 11 10 11 10  
**EN PLATE, depth (exclusive of flange and thickness)**  
 Angles 48 48  
**BOTTOM PLATING, breadth & thickness of Middle Line Strake**  
 Remainder 48 48  
**3, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb**  
 Angles on Upper Edge 3 3 6 3 3 6  
 Average space 48 48  
**3, Lower Deck, Plate or Tee Bulb**  
 Angles on Upper Edge 3 3 6 3 3 6  
 Average space 48 48  
**3, Hold, Plate or Tee Bulb**  
 Angles on Upper Edge 3 3 6 3 3 6  
 Average space 48 48  
**3, Poop or Bridge Deck, Single Angle, Bulb Angle, Plate or Tee Bulb**  
 Angles on Upper Edge 3 3 6 3 3 6  
 Average space 48 48  
**3, Forecastle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb**  
 Angles on Upper Edge 3 3 6 3 3 6  
 Average space 48 48  
**RS, in 'tween Decks, at Centre line. Size**  
 " " Spacing 48 48  
 " " Quarter Size 48 48  
 " " Spacing 48 48  
**In Holds, at Centre line**  
 " " Spacing 48 48  
 " " Quarter Size 48 48  
 " " Spacing 48 48  
**AMES, Breadth and thickness**  
 Number and Spacing 48 48  
**of Side Stringers, breadth and thickness**  
 Angles or Tee Bars to Web Frames 48 48

**KEELSONS AND STRINGERS.**  
**CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate**  
 Rider Plate 20 13 20 13  
 Bulb Plate to Intercoastal Keelson 13 13 13 13  
 Horizontal Plates above floors 6 4 9 6 4 9  
**SIDE KEELSON, Angles**  
 Bulb Plate for length 6 4 9 6 4 9  
 Intercoastal Plate for as pract length 9 9 9 9  
 Attached to outside Plating with Angle 3 1/2 3 1/2 9 3 1/2 3 1/2 9  
**BILGE KEELSON, Angle**  
 Bulb Plate for length 6 4 9 6 4 9  
 Intercoastal Plates for lon 9 9 9 9  
 Attached to outside Plating with Angle 9 3 1/2 9 3 1/2 9 3 1/2 9  
**BILGE STRINGER, Angles**  
 Bulb Plate for length 9 3 1/2 9 3 1/2 9 3 1/2 9  
 Intercoastal Plates for from lon 14 1/2 14 1/2 14 1/2 14 1/2  
 Attached to outside Plating with Angle 3 1/2 3 1/2 9 3 1/2 3 1/2 9  
**SIDE STRINGER, Angles**  
 Bulb Plate for length 9 3 1/2 9 3 1/2 9 3 1/2 9  
 Intercoastal Plate for whole len 14 1/2 14 1/2 14 1/2 14 1/2  
 Attached to outside Plating with Angle 3 1/2 3 1/2 9 3 1/2 3 1/2 9  
**Main Deck Stringer Plate, on end of Beams, breadth and thickness**  
 Angle on ditto 38 1/2 10 38 1/2 10  
 Tie Plates fore and aft, outside Hatchways 15 8 15 8  
 Diagonal Tie Plates on Bms, No. of Pcs 15 9 15 9  
 Flat of Deck, material and thickness 4 P 3 1/2 in solid, 4 at ends  
 Lower Steel for half length 6 6  
 How fastened to Beams as required  
**Lower Deck Stringer Plate, on ends of Beams, breadth and thickness**  
 Angles on ditto, No. two 39 9 39 9  
 Tie Plates, outside Hatchways 15 9 15 9  
 Diagonal Tie Plates on Bms, No. of pcs 15 9 15 9  
 Flat of Deck, material and thickness Small flats at ends 2 1/2 in  
 How fastened to Beams Bolted  
**Hold Stringer Plate, on end of Beams**  
 Angles on ditto, No. 11 10 11 10  
 Tie Plate outside Hatchways 48 48  
 Flat of Deck, material and thickness 48 48  
**Poop or Bridge Deck Stringer Plate, breadth and thickness**  
 Angle 3 1/2 x 3 1/2 7 3 1/2 x 3 1/2 4  
 Tie Plates on Beams 12 12 12 12  
 Flat of Deck, material and thickness 4 P 3 1/2 3 1/2 4  
**Forecastle Deck Stringer Plate, b'dth & thkns**  
 Angle 3 1/2 x 3 1/2 4 3 1/2 x 3 1/2 4  
 Tie Plates on Beams 12 12 12 12  
 Flat of Deck, material and thickness 4 P 3 1/2 3 1/2 4

**PLATING.**  
**PLAT PLATE KEEL, breadth and thickness**  
**PLATES in Garboard Strakes, br'dth & thck'n's**  
 from Garboard to lower part of Bilges 39 1/2 12 38 12  
 Bilges, number of Strakes, and thickness 5 no 12 5 no 12  
 Of doubling at Bilge, or increased thickness, and length applied throughout 5 4 5 4  
 from up. part of Bilge to lr. edge of Strake 20 9 20 9  
 Strake in way of Lower Deck Beams 12 12  
 Sheerstrake, breadth and thickness 44 13 44 13  
 Poop or Bridge Sides 4 4  
 Forecastle Sides 4 4  
 Lengths of Plating 4 4



# CHAIN CABLES.

HAWSELS AND WINDLS.

Number of Certificate.	Fathoms.	Size.	Test per Certificate, Tons.	Weight of Chain Cable.	Fathoms & Size. Per Rule.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Fathoms.	Size.	Fathoms & Size. Per Rule.
12291.	135.	2 $\frac{1}{2}$	76 $\frac{1}{2}$	272-2-12	270	Solid	John Green	17/9/91	Towline	15	12	90 x 11
12292.	135.	do.	107 $\frac{1}{2}$	275-0-15	x 2 7 $\frac{1}{2}$	Cat.	do	6 $\frac{1}{2}$ ft. with suff 1/9/91	Hawser	90	3 $\frac{1}{2}$	90 x 11
Iron Stream Chain or other Chain.	100.	1 $\frac{1}{2}$	54 $\frac{1}{2}$	62-2-26	100 x 1 $\frac{1}{2}$	do	do	26/9/91	do	9	2 $\frac{1}{2}$	90 x 11
Towline if steel wire	45	1 $\frac{1}{2}$	33	74-2-26	100 x 1 $\frac{1}{2}$	do	do	26/9/91	do	9	2 $\frac{1}{2}$	90 x 11

Boats *Two life boats and two others.*

Pumps, Number *one set aft.* Diameter of Barrel and Tail Pipe *4" x 3 $\frac{1}{2}$ "* *4 $\frac{1}{2}$ " hand pump, fore peak*

Windlass *9 x 8" one.* Capstan *Good.*

Number of Scuppers, and number and dimensions of Freeing Ports *Four scuppers, two pipes, four large*

*ports, and one small port, each side*

Cargo Hatchways. - How formed? *Plate iron coaming* *32" above d.e.* Hatches, If strong and efficient? *Solid, 3" thick*

State size No. 1 Hatch (Forward) *0-0 x 6-0* No. 2 Hatch *19-10" x 12-0"* No. 3 Hatch *8-0 x 6-0"*

Number of Web Plates, Shifting Beams, and Fore and Afters to each hatch *Deep web plate and three fore and*

*afters in No 2 hatchway*

Bolwalks, Height above deck and description *5 ft. 3" all plating* Main Rail, material and size *179 x 3 x 3/16* Topgallant Rail *Double 179 x 3 x 3/16*

The above is a correct description.

Builder's Signature (here only.) *M. Hamilton* Surveyor's Signature *C. E. Burney*

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

Order for Special Survey No. <u>1137</u>	DATES OF SURVEYS held while building as per Section 18.	1st. On the several parts of the frame, when in place, and before the plating was wrought	<u>1891 April 3. 6. 8. 10. 14. 19. July 22. 14. 17. 24. 28.</u>	Total No. of Visits <u>65</u>
Date <u>8<sup>th</sup> Decr. 1890</u>		2nd. On the plating during the process of riveting	<u>Aug. 5. 13. 15. 20. 25. 26. 28. 31. Sept. 2. 4. 7. 10. 14. 17.</u>	
Character of Ordinary Survey No. ....		3rd. When the beams were in and fastened, and before the decks were laid .....	<u>22. 25. 29. Oct. 5. 7. 14. 15. 16. 17. 21. 23. 28. 30. Decr. 2.</u>	
Date .....		4th. When the ship was complete, and before the plating was finally coated or cemented ....	<u>9. 11. 12. 14. 16. 18. 19. 23. 26. 30. Decr. 3. 4. 7. 10. 14. 16.</u>	
No. <u>77</u> in builder's yard		5th. After the ship was launched and equipped	<u>17. 18. 22. 28. 30. 1892 Jan. 8. 12. 15.</u>	
State dates and initials of letters respecting this case		<u>1889: Dec 2<sup>nd</sup> to 4<sup>th</sup> Nov 4<sup>th</sup> 1890: Oct 1<sup>st</sup> Dec 15<sup>th</sup> 1891: March 6<sup>th</sup> May 21<sup>st</sup> (all)</u>		
General Remarks (State quality of workmanship, &c.)				

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

The workmanship is to good and the general construction is in accordance with the approved plans (4 in No.) which together with the Report on the forgings, and the certificate of tests of the steel wire rigging, are attached hereto. This is a similar steel to the "Bearing" of Astoria, Warlowic and Demgro (but with slightly modified numerals as shown on tracing of modified mast & Section attached hereto). See G. R. Rpts. Nos 9956, 10106, 10221, and 10514 respectively.

PARTICULARS FOR RECORD IN THE REGISTER BOOK.

Length of Poop 41 ft., R.Q.D. or Break ft., Bridge Dk. ft., Forecastle 36 ft. (in feet and tenths).  
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 Dk. (pt. S.L. W.L.) 2 tr. B.  
Official No. 1000 Signal Letters 1000

~~PARTICULARS OF WATER BALLAST.~~

Double bottom, aft, length ..... and water capacity in tons .....  
 Double bottom, forward, length ..... and water capacity in tons .....  
 Double bottom, constructed on the cellular system, length ..... and water capacity in tons .....  
 Fore peak tank, water capacity in tons ..... After peak tank, water capacity in tons .....  
 Midship deep tank, length ..... and water capacity in tons ..... Other tanks, if fitted, length ..... and water capacity in tons .....  
 The above *fore peak* has been tested as required by the Rules.  
 (If necessary, furnish further information by sketch.)  
 How are the surfaces preserved from oxidation? Inside *Portland Cement, & Paint*, Outside *Paint*.

**FREEBOARD** assigned by the Committee, as per Secretary's Letter, dated Jan 8<sup>th</sup> 1892

5 <sup>ft.</sup> 6 <sup>1/2</sup> in.	In Salt Water	) To top of Wood, Iron or Steel upper deck
5 <sup>ft.</sup> 1 <sup>1/2</sup> in.	In Fresh Water	

State if marked on Vessel's sides in accordance with Notice No. 872: 5 ft. 11 1/2 in. In Winter, in North Atlantic Statutory all

The amount of Entry Fee ..... £ 5 : - : - is received by me, *22/11/92 JCH* Certificate to be sent to *Mr Burney*  
 Special ..... £ 78 : 19 : 6  
 Certificate\* £ *gratis*  
 Travelling Expenses, if any £ *nil*  
 I am of opinion this Vessel should be Classed *✱ 100 A 1 Star*

I am of opinion this Vessel should be Classed *100 A 1 Steel*

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

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Committee's Minute

Character assigned - 100A1 steel

nesses appear slightly to be

*LAFK*

1 NK (pt. steel - WS) recommended.

25-10

Number of supports and number and dimensions of lifting ports

Large blackbird - how long?

State size 10 1/2" x 14 1/2" x 1/2" (10 1/2" x 14 1/2" x 1/2")

...The ...  
...berti ...  
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2211

Signature of \_\_\_\_\_

1871