

(Received at London Office)

State if Report is also sent on the Machinery of the Vessel
Date of completion of report 26th Dec = 1881 Port

Date of completion of report 26th Dec = 1891 Port of Glasgow

Date, First Survey 10 Oct. 1890

Last Survey 23 Dec

1847

No. 11201 Survey held at Glasgow

On the

Rig Schooner

TONNAGE under

THREE DECKED VESSEL

Master A. Morris

Year of appointment

(1) As Master in service of
owner of present vessel:—18
(2) As Master of this
vessel:—18

Built at Glasgow

When built 1891 Launched 3 Jan 1891

By whom built *A. & J. Inglis*

Owners British India Association

Managers

(Where necessary to be entered in Reg. Book.)

Residence 13 Austin Friars. London E.C.

Port belonging to Glasgow

~~Surveyed while Building, Afloat, or in Dry Dock~~

No. 11201 Survey held at 18
On the "D. 123"
TONNAGE under 3239.2
Tonnage Deck...
Dw. between Tonnage Dk. 1297.37
and 3rd and 4th Dk.
Total under Upper Deck 4636.57
No. of Poop 190.24
No. of Bridge House 474.25
of Houses on Dk. 103.44
of excess of Hatchways
of Forecabin 57.03
above Crown of }
Engine Room }
Less Tonnage of }
above }
Engine }
NAAG 5271.19
No. Eng. m 1741.13
No. Spaces 13.30
Registered Tonnage 3616.76

Half Breadth (moulded)	24.0
Depth from upper part of Keel to top of Upper Deck Beams	33.2
Girth of Half Midship Frame (as per Rule)	52.2
	109.4
deduct 7 feet	7.
1st Number	102.4
Length	423
2nd Number	43315
Proportions — Breadth to Length	8.8
Depth to Length — Upper Deck to top of Keel	12.4
Main Deck ditto	16.4

Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH	top of Floors to	Upper Deck Beams	Feet.	Inches.	Power of	Horse	No. of Decks with flat laid	
	42.3	0	Moulded	40	0	Do.	do.	Main Deck Beams	30	4 1/2	Engines	400	No. of Tiers of Beams	3

hip per Register, Length 425.4 breadth 48.2 depth 30.6 Moulded depth, ft. 32 ins. 2 To Upper Dk. Round up of Beam Inner Dk. 12 ins.

INGS or CASTINGS.

SIZES OF CASTINGS.		Inches in Ship.	Inches per Rule. Or as Approved.
KEEL.	Plates, depth and thickness	$10 \times 1\frac{7}{16}$	$10 \times 1\frac{7}{16}$
STEM, mould	and thickness	$10 \times 3\frac{3}{4}$	$10 \times 3\frac{3}{4}$
ERN-POST	Rudder do. do.	$12 \times 4\frac{3}{4}$	$11\frac{1}{2} \times 4\frac{1}{2}$
"	for Propeller	$12 \times 4\frac{3}{4}$	$12 \times 4\frac{1}{2}$
IN-PIECE of Rudder,	diameter at head	10	10
"	do. at heel	5	5
RUDDER, how constructed			

FRAMING.

	Inches in Ship	Inches in Ship.	ths in Ship.	Inches per Rule Or a	Inches per Rule Appro	2ths per Rule ved.
FRAMING.						
FRAME , Angles, $\frac{1}{2}$ in. for $\frac{1}{2}$ length amidships	6	$3\frac{1}{2}$	10	6	$3\frac{1}{2}$	10
Do. for $\frac{1}{2}$ ft each end	6	$3\frac{1}{2}$	9	6	$3\frac{1}{2}$	9
Do. in way of Double Bottoms						
Distance of Frames from moulding edge to moulding edge, all fore and aft	25			25		
REVERSED FRAME Angles	$4\frac{1}{2}$	$3\frac{1}{2}$	9	$4\frac{1}{2}$	$3\frac{1}{2}$	9
FLOORS , depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships		21	10		21	10
„ in way of Engines and Boilers	5	6	13			11-12
„ thickness at the ends of vessel			12			8
„ depth at $\frac{1}{2}$ the half breadth, as per Rule	2	$15\frac{1}{2}$	8		$15\frac{1}{2}$	
„ height extended at the Bilges		6			6	

KEELSONS & STRINGERS

KEELSONS & STRINGERS.		Inches in Ship	20ths in Ship	Inches per Rule Or as Approved.	20ths per Rule	Inches per Rule
CENTRE LINE KEELSON, ^{Through Plate} Vertical Plate above floors, ^{and} through Plate, ^{or} Intercoastal Plate		41	15	41	15	15
	Rider Plate	16	14	16	14	14
	Bulb Plate to Intercoastal Keelson	14	14	14	14	14
	Horizontal Plates on Floors	36	14	36	14	14
	Angles ^{4 in. x 2}	6 1/2	4 1/2	10	6 1/2	4 1/2
SIDE	KEELSON, Angles ^{4 in. x 2}	6 1/2	4 1/2	10	6 1/2	4 1/2
	Bulb or Plate above floors, for ^{1/2} length		20	14		20
	Intercoastal Plate, for ^{practicable} length			9		9
	Attached to outside Plating with Angle	3 1/2	3 1/2	10	3 1/2	3 1/2
BILGE	KEELSON, Angles ^{4 in. x 2}	6 1/2	4 1/2	10	6 1/2	4 1/2
	Bulb or Plate above floors, for ^{1/2} length		20	14		20
	Intercoastal Plate for ^{practicable} length			9		9
	Attached to outside Plating with Angle	3 1/2	3 1/2	10	3 1/2	3 1/2
BILGE	STRINGER Angles	3 1/2	3 1/2	10	3 1/2	3 1/2
	Bulb Plate for ^{length}		16	10		16
	Intercoastal Plate for ^{whole} length			10		10
	Attached to outside Plating with Angle	3 1/2	3 1/2	10	3 1/2	3 1/2
SIDE	STRINGER Angles	3 1/2	3 1/2	10	3 1/2	3 1/2
	Bulb or Intercoastal Plate for ^{whole} lng.		16	10		16
	Attached to outside Plating with Angle	3 1/2	3 1/2	10	3 1/2	3 1/2
Upper	Deck Stringer Plate, (on ends of Beams,) breadth and thickness	63	13	63	13	13
	Angle on ditto	5 x 5 x 11		5 x 5 x 11		11
	Tie Plates fore and aft, outside Hatchways					
	Flat of Dk.* ^{Iron} Steel, for ^{whole} lng.		96 x			96 x
	Wood ^{Yak} Material & thickness	3		3		96 x
	How fastened to Beams ^{Riveted}					
Middle	Deck Stringer Plate, br'dth & thickness	63	11	63	11	11
	Angles on ditto, No.	4 x 4 x 9		4 x 4 x 9		9
	Tie Plates outside Hatchways					
	Diagonal Tie Plates on Bms. No. of pss.					
	Flat of Dk.* ^{Iron} Steel, for ^{whole} lng.		86 x			86 x
	Wood ^{Pine} Material & thickness	2 1/2		2 1/2		86 x
	How fastened to Beams ^{Riveted}					
Lower	Deck Stringer Plate, br'dth & thickness	54	10	54	10	10
	Angles on ditto, No.	4 x 4 x 9		4 x 4 x 9		9
	Tie Plates, outside Hatchways	2 1/2	10	3 1/2	10	10
	Flat of Deck.* Material and thickness ^{Pine}	3		3		
	How fastened to Beams ^{but shows bolts}					
Hold or	Deck Stringer Plate, br'dth & thickness					
	Angles on ditto, No.					
	Tie Plates outside Hatchways					
	Flat of Deck.* Material and thickness					
	How fastened to Beams					
Poop	Deck Stringer Plate, breadth & thickness	42	8	42	8	8
	Angle on ditto	3 1/2 x 3 1/2 x 10		3 1/2 x 3 1/2 x 10		10
	Tie Plates	16 1/2	8	16 1/2	8	8
	Flat of Deck, Material and thickness ^{Yak}	3		3		
Bridge	Deck Stringer Plate, breadth & thickness	45	10	45	10	10
	Angle on ditto	3 1/2 x 3 1/2 x 10		3 1/2 x 3 1/2 x 10		10
	Tie Plates					
	Flat of Deck, Material and thickness ^{Yak}	2 1/2	6	2 1/2	6	6
Forecastle	Deck Stringer Plate, both & thickness	42	8	42	8	8
	Angle on ditto	3 1/2 x 3 1/2 x 10		3 1/2 x 3 1/2 x 10		10
	Tie Plates	16 1/2	8	16 1/2	8	8
	Flat of Deck, Material and thickness ^{Yak}	3		3		

PLATING

	inches in Ship.	inches in Ship.	inches per Rule.	inches per Rule. Or as Approved.
PLATING				
PLATE in Garboard Strakes, br'dth & thickness	36	14	36	14
" from Garboard to lower part of Bilges	13			13
Bilges , number of Strakes and thickness	3	15		15
" of Bilge, increased thickness, and length applied	13			13
" from up. prt. of Bilge to lr. edge of Sh'rstrake				
Sheerstrake , breadth and thickness	52	16	52	16
" Of d'bling at Sh'stk. & length appl.	30	12	30	12
" Poop Sides		8		8
" Bridge do.		10		8
" Forecastle do.		8		8
Lengths of Plating				

4 If Iron or Steel Deck, state if whole or part, and if Wood Deck, if laid thereon.

9100-791575 (112)

11201 GLO

Order for Special Survey No. 2393
Date 14th Sept. 1890
Order for Ordinary Survey No. ✓
Date ✓
No. 217 in builder's yard

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 } 1890. Oct. 10. 15. 17. 20. 21. Nov. 3. 6. 10. 13. 14. Dec. 3. 8. 10. 16. 18. 22. 31.
2nd. On the plating during the process of riveting } 1891. Jan. 12. 15. 19. 26. Feb. 25. 11. 18. 25. 26. March 7. 12. 16. 18. 23. 30.
3rd. When the beams were in and fastened and before the decks were laid } 1891. 1. 7. 9. 15. 20. 23. 29. May 6. 7. 14. 18. 20. 27. June 1. 4. 5. 11. 15. 19. 23.
4th. When the ship was complete, and before the plating was finally coated or cemented ... } 1891. July 9. 14. 27. Aug. 3. 5. 10. 12. 27. Sept. 2. 16. 23. 25. Oct. 8. 12. 14. 21.
5th. After the ship was launched and equipped } 1892. Nov. 2. 11. 20. Dec. 7. 9. 20.

Total No. of Visits 79

State dates and initials of letters respecting this case 6/3/90 17/4/90 26/6/90 15/7/90 11/8/90 3/12/90

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

This is a three decked screw steel steamer, having a topgallant forecabin, a poop and a long bridge house. She has been built in accordance with the approved plans attached hereto and with the Rules generally.

An installation of the Electric Light has been supplied, the particulars of which are stated in the attached report.

The materials and workmanship are good.

She is a sister vessel to the S.S. Dunera (Glasgow Report No 10694) by same builders and for same owners.

The builders have not desired a freeboard to be assigned by this Society.

This vessel was launched under designation No 217.

PARTICULARS FOR RECORD in the REGISTER BOOK. Length of Poop 51 ft. R.Q.D. or Break ✓ ft., Bridge Dk. 164 ft., F'castle 54 ft. (in feet and tenths) where the Poop 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) 3 dks (upper and middle dks steel - wgs) 3 tier beams
Official No.; Signal Letters

PARTICULARS OF WATER BALLAST.—
Double bottom, aft, length ✓ and water capacity in tons ✓. Double bottom, forward, length ✓ and water capacity in tons ✓.
Double bottom, under engines and boilers, length ✓ and water capacity in tons ✓. If under engine only, or boilers only, state which ✓.
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 have ✓ been tested as required by the Rules.
(If necessary, furnish further information by sketch.)
How are the surfaces preserved from oxidation? Inside Paint Portland Cement Outside Paint.

FREEBOARD assigned by the Committee, as per Secretary's Letter dated not assigned by this Society
State if marked on Vessel's sides in accordance with Notice No. 572

In Summer	ft. ins.	To top of Wood, Iron or Steel Upper Deck.
In Winter	ft. ins.	
For Winter in North Atlantic	ft. ins.	
Fresh Water above the centre of disc	ins.	

The amount of Entry Fee £ 5 : .. is received by me, [Signature]
Special..... £ 156 : 15 : 6 30/12/1891
Certificate* £
Travelling Expenses, if any £
I am of opinion this Vessel should be Classed 100 A 1 Steel
3 dks (upper and middle dks steel - wgs) 3 tier beams Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute TUES. 5 JAN 1892. Elec Light
Character assigned 100 A 1 Steel
2 A 1
+ 2 Mc 12, 91
3 dks (2 Steel - wgs)
+ Web frames
It is submitted that this vessel appears eligible to be Classed 100 A 1 (Steel) as recommended.
3 dks (Upper and middle steel wgs) and web frames