

3 Decks.

IRON OR STEEL STEAMER.

Received at London Office. **WED. 18 MAR 1903**

State of Report is also sent on the Machinery of the Vessel

Date of completion of report

March 16th 1903

Port of

Newcastle-on-Tyne No. 44949

Survey held at

South Shields

Date, First Survey

15th August 1902

Last Survey

10th March 1903

On the

S.S. "Trewyn"

Rig

Scholar (fore & aft)

TONNAGE under

Tonnage Deck...

Do. between Tonnage Dk. and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room

FOR FEES..

ine Room

igation Spaces

Tonnage

m Beam

THREE DECKED VESSEL.

CLASS: 100 ft. forward

FEET.

Half Breadth (moulded)

23.39

Depth from upper part of Keel to top of Upper Deck Beams

25.91

Girth of Half Midship Frame (as per Rule)

44.89

deduct 7 feet

7.00

1st Number

84.19

Length on deck from after part of stem to fore part of

321.12

2nd Number

27998

Proportions—Breadth to Length

6.86

Depth to Length—Upper Deck to top of Keel

12.39

Main Deck ditto

12.39

Destined Voyage

Genoa

If Surveyed while Building, Afloat, or in Dry Dock

Special

on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
Rule	321	12	Moulded	46	9 1/2	Do.	Do.	13	10 1/2	Two
as of Ship per Register, Length	323.0		breadth	47.1		depth	23.75			Round of Upper Dk. Beam, Actual
										11 1/2 ins.

FRAMING.				FORGINGS or CASTINGS.			
Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule or as Approved	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule or as Approved
Angles, $\frac{1}{2}$ E or L Bars for $\frac{1}{2}$ length amidships	5 1/2	3 1/2	8	5 1/2	3 1/2	8	5 1/2
or $\frac{1}{2}$ at each end	"	"	7	"	"	7	"
way of Double Bottoms at Solid Floors	3 1/2	3 1/2	8	3 1/2	3 1/2	8	3 1/2
" at intermdr. Bkts.	5 1/2	3 1/2	8	5 1/2	3 1/2	8	5 1/2
of Frames from moulding edge to ling edge, all fore and aft	24	"	"	24	"	"	"
USED FRAME, Angles	6	3 1/2	8	6	3 1/2	8	6
FRAMING, depth of girder	8 1/2	"	"	8 1/2	"	"	"
RS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	✓	"	"	✓	"	"	"
in way of Engines and Boilers	24	12	24	12	"	"	"
thickness at the ends of vessel	Margin plate continuous	"	"	"	"	"	"
depth at $\frac{1}{2}$ the half breadth, as per Rule	as approved	"	"	"	"	"	"
height extended at the Bilges	40	10	8	40	10	8	40
RS & BRACKETS in Double Bottoms	48	12	4	48	12	4	48
" Distance apart	48	12	4	48	12	4	48
RE GIRDER, in Double bottom, depth and thickness	40	10	8	40	10	8	40
" Angles, Top	4	4	9	4	4	9	4
" Bottom	6 1/2	4	9	6 1/2	4	9	6 1/2
GIRDERS, number on each side & thickness	3	3 1/2	4	3	3 1/2	4	3
" Angles	3 1/2	3 1/2	4	3 1/2	3 1/2	4	3 1/2
IN PLATE, depth (exclusive of flange) and thickness	30	9	30	9	"	"	"
" Angles to Outside Plating	3 1/2	3 1/2	8	3 1/2	3 1/2	8	3 1/2
R BOTTOM PLATING, breadth and thickness of Middle Line Strake	36	9	8	36	9	8	36
" in Engine and Boiler space	IRON 14-8	"	"	IRON 14-8	"	"	IRON 14-8
" Remainder in Holds	"	"	"	"	"	"	"
IS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	9	6 1/2	3	9	6 1/2
Angles on upper edge	7 1/2	3	10	7 1/2	3	10	7 1/2
Average space	24	"	"	24	"	"	"
IS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	11	6	12	11	6	12	11
Angles on upper edge	✓	"	"	✓	"	"	"
Average space	48	"	"	48	"	"	"
IS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	✓	"	"	✓	"	"	"
Angles on upper edge	✓	"	"	✓	"	"	"
Average space	✓	"	"	✓	"	"	"
IS, Hold, or Orlop, Plate or Tee Bulb	✓	"	"	✓	"	"	"
Angles on upper edge	✓	"	"	✓	"	"	"
Average space	✓	"	"	✓	"	"	"
IS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	8	5 1/2	3	8	5 1/2
Angles on upper edge	✓	"	"	✓	"	"	"
Average space	24	"	"	24	"	"	"
IS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	9	6 1/2	3	9	6 1/2
Angles on upper edge	way of Bridge	"	"	way of Bridge	"	"	"
Average space	24	"	"	24	"	"	"
IS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	9	6 1/2	3	9	6 1/2
Angles on upper edge	under Windlass	"	"	under Windlass	"	"	"
Average space	24	"	"	24	"	"	"
ARS, In 'tween Deck, size and spacing	25 1/2	48	25 1/2	48	"	"	"
" Hold	5 1/2	48	5 1/2	48	"	"	"
" Quarter 'tween Dks.	29 1/2	96	29 1/2	96	"	"	"
" in Hold	3 1/2	96	3 1/2	96	"	"	"
WEB-FRAMES, In Fore Body, No. and spacing	✓	"	"	✓	"	"	"
" No. of Side Stringers	One	"	"	One	"	"	"
WEB-FRAMES, In E. & B. Space, No. & spacing	36	8	36	8	"	"	"
" No. of Side Stringers	18	8	18	8	"	"	"
WEB-FRAMES, In After Body, No. and spacing	✓	"	"	✓	"	"	"
" No. of Side Stringers	✓	"	"	✓	"	"	"
" Size of Angles on Tee Bars to Web-Frames	4	3 1/2	8	4	3 1/2	8	4
BRACKET PLATES to Stringers between Web Frames, depth and thickness	16	8	16	8	"	"	"
	every 3 rd frame space	"	"	every 3 rd frame space	"	"	"
KEEL, Bar or Side Plates, depth and thickness				KEELSONS & STRINGERS.			
STEM, moulding and thickness				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
STERN-POST for Rudder do. do.				Rider Plate			
" for Propeller				Bulb Plate to Intercoastal Keelson			
MAIN PIECE of Rudder, diameter at head				Horizontal Plates on Floors			
" do. at heel				Angles			
RUDDER, how constructed				SIDE KEELSON, Angles			
Can the Rudder be unshipped afloat?				Bulb or Plate above floors, for			
				Intercoastal Plate, for			
				Attached to outside Plating with Angle			
				BILGE KEELSON, Angles			
				Bulb or Plate above floors, for			
				Intercoastal Plate for			
				Attached to outside Plating with Angle			
				BILGE STRINGER Angles			
				Bulb Plate for			
				Intercoastal Plate for			
				Attached to outside Plating with Angle			
				SIDE STRINGER Angles			
				Bulb or Intercoastal Plate, for			
				Attached to outside plating with Angle			
				Upper Deck Stringer Plates, br'dth & thickness			
				Angle on ditto			
				Tie Plates fore and aft, outside Hatchways			
				Deck * Iron or Steel, for			
				Wood Deck, Material & thickness			
				Middle Deck Stringer Plate, br'dth & thickness			
				Angles on ditto, No.			
				Tie Plates outside Hatchways			
				Diagonal Tie Plates on Bms., No. of prs.			
				Deck * Iron or Steel, for			
				Wood Deck, Material & thickness			
				Lower Deck Stringer Plate, br'dth & thickness			
				Angles on ditto, No.			
				Tie Plates, outside Hatchways			
				Deck * Material and thickness			
				Hold, or Orlop Stringer Plate, br'dth & thck'n's			
				Angles on ditto, No.			
				Tie Plates outside Hatchways			
				Deck, Material and thickness			
				Poop Deck Stringer Plate, breadth & thickness			
				Angle on ditto			
				Tie Plates			
				Deck, Material and thickness			
				Bridge Deck Stringer Plate, br'dth & thickness			
				Angle on ditto			
				Tie Plates			
				Deck, Material and thickness			
				Forecastle Deck Stringer Plate, br'dth & th'kns			
				Angle on ditto			
				Tie Plates			
				Deck, Material and thickness			
				BULKHEADS.			
				W. T. BULKHEADS			
				PARTITION			
				LONGITUDINAL			
				Are the outside Plates doubled two spaces of Frames in length?			
				Are the Sluice Valves and Watertight Doors in efficient working order?			

PLATING. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. STRAKES. AMIDSHIP. FORWARD. AFT. AMIDSHIP. Single or Double. Breadth of Lap. Rivets. Diam. Spacing cr. to cr. Double or Treble and for what Length. Rivets. Diam. Spacing cr. to cr. STRAPS. Breadth. Thickness. IF LAPPED. Breadth. For what Length. FEET.

FLAT PLATE KEEL (If Bar Keel, state Riveting) GARBOARD OR A Strake ... B ... C ... D ... E ... F ... G ... H ... J ... K ... L ... M ... N ... O ... P ... Q ... R ...

DOUBLING of Flat Plate Keel Length and thickness of Bilges of Sheerstrakes of Strake below POOP SIDES BRIDGE SIDES FORE-CASTLE SIDES

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Yoe and Stringer Plates, Plating, &c. Has the Steel been tested as required by the Rules?

FRAMES extend in one length from REVERSED FRAMES on floors and frames extend from MASTS, SPARS, &c.

LOWER MASTS. Fore Main Mizzen Bowsprit Topmasts, Yards and Remainder of Spars Riggings, Material and Size, Shrouds Sails. Suit of Sails, and the following spare sails.

EQUIPMENT No. 32021 LETTER ANCHORS. Number of Certificate. Anchors. WEIGHT, EX. STOCK. WEIGHT OF STOCK. TEST, PER CERTIFICATE. WEIGHT REQUIRED BY TABLE 22. Description of Anchor. Makers. Where and when tested and Superintendent.

CHAIN CABLES. Number of Certificate. Fathoms. Size. Test per Certificate. Tons. WEIGHT OF CHAIN CABLE. Supplied. Per Table 22. Fathoms and Size per Table 22. Description. Makers of Cables. When and where tested, and Superintendent. Material. Fathoms. Size. Breaking Test of Steel Wire Towline. Fathoms and Size per Table 22.

HAWSERS AND WARPS. Number of Certificate. Fathoms. Size. Test per Certificate. Tons. WEIGHT OF CHAIN CABLE. Supplied. Per Table 22. Fathoms and Size per Table 22. Description. Makers of Cables. When and where tested, and Superintendent. Material. Fathoms. Size. Breaking Test of Steel Wire Towline. Fathoms and Size per Table 22.

Boats Pumps, Number Windlass is Engine Room Skylights. How constructed? What arrangements for deadlights in bad weather? Coal Bunker Openings. How constructed? Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Ceiling in Holds, thickness and material. Cargo Hatchways. How formed? State 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. The above is a correct description. Builder's Signature (here only) Surveyor's Signature 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 this case)

M 22/11/01 8/4/02 22/5/02 26/5/02

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

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 plating? a few

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

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? Yes

State results of tests

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

This vessel has been built in accordance with the Rules and approved plans. The workmanship and material are good.

This vessel is a sister ship to the S. S. Greivider Nwc. report N° 44136

Plan of Midship section is forwarded herewith

The Surveyor should state the Number of Report and Name of any Sister Vessel.

44-0 Cate

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 31-0 ft., R.Q.D. or Break ft., Bridge Dk. 92-0 ft., F'castle 32-0 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated not joined

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. (Iron Steel) No 12 Beams, + deep framing 38" Rule

Official No. 115645; Signal Letters

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 Cellular Bottom

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	106	319	Fore peak tank,	✓	✓
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	8	61
Double bottom, if under Engines only,	20	54	Midship deep tank,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Other tanks, if fitted,	✓	✓
Double bottom, forward,	134	326	(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. 3392

Date 4.7.02

No. 367 in builder's yard.

DATES of Surveys held while building

1902. Aug. 15, 21, 29. Sep. 8, 15, 17, 22, 24. Oct. 2, 14, 16, 22, 29. Nov. 3, 6, 12, 18, 20, 27. Dec. 4, 9, 10, 18, 22.
1903. Jan. 8, 9, 15, 19. Feb. 2, 19. Mch. 10

Total No. of Visits 32

The amount of Entry Fee £ 5 : : :

Special Survey Fee £ 100 : 2 : 6

Travelling Expenses, if any £ : : :

Fees applied for,

17 MAR 1903

Received by me,

19.3.03

Certificate to be sent to

Newcastle-on-Tyne

State whether the Vessel has been built under Special Survey

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class

100 A1 Steel with freeboard

J. R. Henderson

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

Committee's Minute

Character assigned

Classed as

+ 2 Mch 2, 03

Engine

FRI. 20 MAR 1903

100 A1 Steel w. freebd. S. 4 8

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