

~~IRON OR~~ STEEL STEAMER.

Office

State if Report is also sent on the Machinery of the Vessel. *Yes*

Port of WEST HARTLEPOOL

No. 12947

Survey held at WEST HARTLEPOOL

Date, First Survey

31<sup>st</sup> October, 1903

ast Survey 11th Dec

181906

On the S. S. "Galveston Range"

Rig. Schooner

TONNAGE under) 3350.28

THREE DECKED VESSEL.

Master S. W. Wilson

Year of appointment

(1) As Master in service of owner of present vessel—1887

(2) As Master of this vessel—1889

Built at West Hartlepool

When built 1906 Launched 9<sup>th</sup> March

By whom built *Furness, with the 8th Co*

Owners Neptune Steam Navigation Co

Managers F. W. Bolam

Residence *Newcastle-on-Tyne*

Port belonging to *Sunderland*

gister Tonnage ( 2326.37

*Main Deck ditto* . . . . .

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

LENGTH on Deck as per Rule ....	Feet. 345	Inches. 2	BREADTH— Moulded ....	Feet. 47	Inches. 3	DEPTH, ACTUAL—Top of <sup>Bank</sup> <del>Floor</del> to top of Upper Dk. Beams	Feet. 25	Inches. 3	No. of Decks with flat laid	One
						Do. do. do. do. Main Dk. Beams			No. of Decks with D.	

Dimensions of Ship per Register, Length 34.0 breadth 47.4 depth 25.2 Moulded depth, ft. 27 ins. 10½ To Upper Dk. Round of Upper Dk Beam Actual 11 ins.

FRAMING.				FORGINGS OR CASTINGS.				Inches in Ship.				Inches per Rule, Or as Approved.					
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.	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.		
FRAME, Angles, or L- or C- Bars for 1/2 length amidships				10	3 1/2	11	10	3 1/2	11	KEEL, Bar or Side Plates, depth and thickness				STEM, moulding and thickness			
Do. for 1/2 at each end				10	3 1/2	10	10	3 1/2	10	STERN-POST for Rudder do. do.				STERN-POST for Propeller			
Do. in way of Double Bottoms at Solid Floors				Floors flanged top and bottom				24	24	MAIN PIECE of Rudder, diameter at head				do. at heel			
Distance of Frames from moulding edge to moulding edge, all fore and aft								RUDDER, how constructed				Can the Rudder be unshipped afloat?					
Reversed Frame, Angles								KEELSONS & STRINGERS.									
KEEL FRAMING, depth of girder								CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate									
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships								Side Plate									
Do. in way of Engines and Boilers								Bulb Plate to Intercoastal Keelson									
Thickness at the ends of vessel								Horizontal Plates on Floors									
Depth at 1/2 the half breadth, as per Rule								Angles									
Height extended at the Bilges								SIDE KEELSON, Angles									
FLOORS & BRACKETS in Cell Dble Bottoms				42	9	42	9	Bulb or Plate above floors, for				Ing.					
Distance apart				24	24	Intercoastal Plate, for				length							
ENTRE GIRDER, in Double bottom, depth and thickness				42	10	42	10	Attached to outside Plating with Angle									
Angles, Top				4	4	9	4	4	9	BILGE KEELSON, Angles							
Bottom				4 1/2	4 1/2	12	4 1/2	4 1/2	12	Bulb or Plate above floors, for				Ing.			
IDE GIRDERS, number on each side & thickness				One	9	One	9	Intercoastal Plate for				length					
Angles				3 1/2	3 1/2	8	3 1/2	3 1/2	8	Attached to outside Plating with Angle							
MARGIN PLATE, depth (exclusive of flange) and thickness				34	9	33	9	BILGE STRINGER Angles									
Angles to Outside Plating				4	4	9	4	4	9	Bulb Plate for				length			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake				43 1/2	10	43 1/2	10	Intercoastal Plate for				whole length					
in Engine and Boiler space				20 1/2				11	Attached to outside Plating with Angle								
Remainder in Holds				8-7				8-7	SIDE STRINGER Angles								
BEAMS, Upper Deck, Single Angle, Bulb				8	3	10	8	3	10	Bulb or Intercoastal Plate, for				whole Ing.			
Angle, Plate or Tee Bulb								Attached to outside plating with Angle									
Angles on upper edge				24				24	Upper Deck Stringer Plates, br'dth & thickness				50 10 50 10				
Average space								Angle on ditto				4 1/2 x 4 1/2 11 4 1/2 x 4 1/2 11					
BEAMS, Middle Deck, Single Angle, Bulb								Tie Plates fore and aft, outside Hatchways									
Angle, Plate or Tee Bulb								Deck, * Iron or Steel, for				whole Ing.					
Angles on upper edge								Wood Deck. Material & thickness				8-7 8-7					
Average space								Middle Deck Stringer Plate, br'dth & thickness				72 10 72 10					
BEAMS, Lower Deck, Single Angle, Bulb				12	11	12	11	Angles on ditto, No. 2				4 x 4 9 4 x 4 9					
Angle, Plate or Tee Bulb								Tie Plates outside Hatchways									
Angles on upper edge				6 4 9 6 4 9				Diagonal Tie Plates on Bms. No. of prs.									
Average space				Do per approved profile				Deck, * Iron or Steel, for				Ing.					
BEAMS, Hold, or Orlop, Plate or Tee Bulb								Wood Deck. Material & thickness									
Angles on upper edge								Lower Deck Stringer Plate, br'dth & thickness									
Average space								Angles on ditto, No.									
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb				6	3	8	6	3	8	Tie Plates, outside Hatchways							
Angles on upper edge				24				24	Deck, * Material and thickness								
Average space								Hold, or Orlop Stringer Plate, br'dth & thckn's									
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb				6	3	8	6	3	8	Angles on ditto, No.							
Angles on upper edge				24				24	Tie Plates outside Hatchways								
Average space								Deck. Material and thickness									
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb				6	3	8	6	3	8	Poop Deck Stringer Plate, breadth & thickness				36 7 36 7			
Angles on upper edge				24				24	Angle on ditto				3 1/2 x 3 1/2 7 3 1/2 x 3 1/2 7				
Average space								Tie Plates									
BEAMS, In 'tween Deck, size and spacing				3 1/2	48	3 1/2	48	Deck, Material and thickness				Steel 6 6					
Hold				3 1/2 x 4 1/2 48 3 1/2 x 4 1/2 48				Bridge Deck Stringer Plate, br'dth & thickness				48 8 48 8					
Quarter 'tween Decks				In way of Hatchways 4 1/2				Angle on ditto				3 1/2 x 3 1/2 9 3 1/2 x 3 1/2 9					
in Hold								Tie Plates									
BE FRAMES, In Fore Body, No. and spacing								Deck. Material and thickness				Steel 6 6					
br'dth. & thickness								Forecastle Deck Stringer Plate, b'dth & th'kns				5 5					
No. of Side Stringers								Angle on ditto				3 1/2 x 3 1/2 7 3 1/2 x 3 1/2 7					
BE FRAMES, In E. & B. Space, No. & spacing				One	One	24 9 24 9				Tie Plates				Steel deck 2 1/2 pine 2 1/2			
br'dth. & thickness								Deck. Material and thickness									
BE FRAMES, In After Body, No. and spacing								BULKHEADS.									
br'dth. & thickness								Number.				STIFFENERS.					
No. of Side Stringers								In Vessel.				Horizontal.					
BE FRAMES, In E. & B. Space, No. & spacing								Per Rule.				Vertical.					
br'dth. & thickness								Thickness.				Single or Double Frames.					
BE FRAMES, In After Body, No. and spacing								Size.				Height up.					
br'dth. & thickness								Inches.				Inches.					
No. of Side Stringers								Inches.				Inches.					
Size of Angles or Tee Bars to Web-Frames								W. T. BULKHEADS				PARTITION					
PACKET PLATES to Stringers between Web-Frames, depth and thickness								LONGITUDINAL				13.4 13.4					
								Are the outside Plates doubled two spaces of Frames in length?				Diamond lines					
								Are the Hatch Valves and Watertight Doors in efficient working order?				Yes					



PLATING.										RIVETING.									
AS IN SHIP.					PER RULE OR AS APPROVED.					LOWER EDGES.					BUTTS.				
STRAKES.		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		FORWARD.		AFT.	
Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.
FLAT PLATE KEEL	48	14	13	13	48	14	13	13	48	14	13	13	48	14	13	13	48	14	13
GARBOARD OR A STRAKE	64	13	12	12	64	13	12	12	64	13	12	12	64	13	12	12	64	13	12
State actual thickness in way of Double Bottom.	B	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11
C	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
D	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
E	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
F	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
G	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
H	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
J	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
K	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
L	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
M	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
N	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
O	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
P	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
Q	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
R	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9	9	64	11	9
DOUBLING OF Flat Plate Keel																			
Length of Bilges																			
Thickness of Sheerstrakes																			
Thickness of Strake below																			
POOP SIDES																			
BRIDGE SIDES																			
FORECASTLE SIDES																			
Manufacturer's name or trade mark of the Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.: <i>South Durham; Consett; Salmons; Ranshaw; Glasgow; Nottingham; Darlington.</i>										Upper Deck Butts, riveted for <i>half</i> length amidship. Stringer Plate Butts, riveted for <i>whole</i> length amidship. Middle Deck Butts, riveted for <i>whole</i> length amidship. Stringer Plate Butts, riveted for <i>whole</i> length amidship. Butts of Bilge & Side Stringers and Tie Plates, riveted for <i>whole</i> length amidship. Inner Bottom Plating, riveted for <i>whole</i> length amidship. Centre Girder Butts, riveted for <i>whole</i> length amidship. Frames, riveted through Plates with <i>4</i> in. Rivets, about <i>6 1/2</i> apart. Rivets, state whether Iron or Steel <i>Iron</i> .									
Has the Steel been tested as required by the Rules? <i>Yes.</i>										The Surveyor should state the Number of Report and Name of any Sister Vessel.									
FRAMES extend in one length from <i>trunk margin plate to deck.</i> (Floors planked top and bottom.)										REVERSED FRAMES on floors and frames extend from <i>Bulk angle frames.</i>									
MASTS, SPARS, &c.										MASTS, SPARS, &c.									
LOWER MASTS.										LOWER MASTS.									
Fore Mast.										Fore Mast.									
Main Mast.										Main Mast.									
Mizen Mast.										Mizen Mast.									
Bowsprit.										Bowsprit.									
Topmasts, Ties and Remainder of Spars <i>Pine.</i>										Topmasts, Ties and Remainder of Spars <i>Pine.</i>									
Rigging, Material and Size. <i>Shrouds Wire 4.</i>										Rigging, Material and Size. <i>Shrouds Wire 4.</i>									
Sails. <i>2 Sails.</i>										Sails. <i>2 Sails.</i>									
EQUIPMENT No. <i>31715</i> LETTER <i>w</i>										EQUIPMENT No. <i>31715</i> LETTER <i>w</i>									
ANCHORS.										ANCHORS.									
Number of Certificate.										Number of Certificate.									
1st Bower.										1st Bower.									
2nd Bower.										2nd Bower.									
3rd Bower.										3rd Bower.									
4th Bower.										4th Bower.									
Stream.										Stream.									
Kedge.										Kedge.									
CHAIN CABLES.										CHAIN CABLES.									
Number of Certificate.										Number of Certificate.									
1st Bower.										1st Bower.									
2nd Bower.										2nd Bower.									
3rd Bower.										3rd Bower.									
4th Bower.										4th Bower.									
Stream.										Stream.									
Kedge.										Kedge.									
HAWSEERS AND WARPS.										HAWSEERS AND WARPS.									
Number of Certificate.										Number of Certificate.									
1st Bower.										1st Bower.									
2nd Bower.										2nd Bower.									
3rd Bower.										3rd Bower.									
4th Bower.										4th Bower.									
Stream.										Stream.									
Kedge.										Kedge.									
Boats <i>2 life and one other.</i>										Boats <i>2 life and one other.</i>									
Pumps, Number <i>One fly wheel pump connected to stern suction pipes in each compartment.</i>										Pumps, Number <i>One fly wheel pump connected to stern suction pipes in each compartment.</i>									
Windlass is <i>Emerson, Walker &amp; Thompson Bros.</i>										Windlass is <i>Emerson, Walker &amp; Thompson Bros.</i>									
Engine Room Skylights. How constructed? <i>Steel on trunk bulkheads.</i>										Engine Room Skylights. How constructed? <i>Steel on trunk bulkheads.</i>									
What arrangements for deadlights in bad weather? <i>Bull's eyes in steel shutters.</i>										What arrangements for deadlights in bad weather? <i>Bull's eyes in steel shutters.</i>									
Coal Bunker Openings. How constructed? <i>Steel coamings.</i>										Coal Bunker Openings. How constructed? <i>Steel coamings.</i>									
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. <i>On each side, 3 scuppers, and 10 ports 36" x 15".</i>										Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. <i>On each side, 3 scuppers, and 10 ports 36" x 15".</i>									
Ceiling in Holds, thickness and material <i>2 1/2 lb. pine.</i>										Ceiling in Holds, thickness and material <i>2 1/2 lb. pine.</i>									
Cargo Hatchways. How formed? <i>Of plates and angles.</i>										Cargo Hatchways. How formed? <i>Of plates and angles.</i>									
State size No. 1 Hatch (Forward) <i>24' 0" x 16' 0" x 4 1/2"</i> No. 2 Hatch <i>26' 0" x 16' 0" x 4 1/2"</i> No. 3 Hatch <i>28' 0" x 16' 0" x 4 1/2"</i> No. 4 Hatch <i>24' 0" x 16' 0" x 4 1/2"</i>										State size No. 1 Hatch (Forward) <i>24' 0" x 16' 0" x 4 1/2"</i> No. 2 Hatch <i>26' 0" x 16' 0" x 4 1/2"</i> No. 3 Hatch <i>28' 0" x 16' 0" x 4 1/2"</i> No. 4 Hatch <i>24' 0" x 16' 0" x 4 1/2"</i>									
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. <i>2 deep web plates and 3 fore and afters.</i>										Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. <i>2 deep web plates and 3 fore and afters.</i>									
Bulwarks, height above deck and description <i>3' 6" Steel plating.</i>										Bulwarks, height above deck and description <i>3' 6" Steel plating.</i>									
The above is a correct description.										The above is a correct description.									
Builder's Signature (here only) <i>For FURNESS, WITHEY &amp; CO., LIMITED.</i>										Builder's Signature (here only) <i>For FURNESS, WITHEY &amp; CO., LIMITED.</i>									
Surveyor's Signature <i>Jo. Thomson</i>										Surveyor's Signature <i>Jo. Thomson</i>									
Surveyor to Lloyd's Register of British and Foreign Shipping.										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) 1905:—30<sup>th</sup> Jan. 31<sup>st</sup> Aug. 13<sup>th</sup> & 27<sup>th</sup> Sept. 15<sup>th</sup> Dec. 1906:—2<sup>nd</sup> Mar. M. 7<sup>th</sup> Dec. 1905 E.

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 facing 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 *Satisfactory.*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes.* State results of tests *Satisfactory.*

General Remarks (State quality of workmanship, &c.) *The workmanship throughout is good.*

*This vessel is built in accordance with photo of midship section forwarded to London on 12<sup>th</sup> May 1906, the accompanying drawings (7 in 1/2), the Secretary's letter referred to above, and in general conformity with the Rules for the Class contemplated.*

*The bottom is coated with enamel cement (Furness, Withy & Co.), and the close ceiling has been dispensed with except under the hatchways and over the timbers, and a letter from the Owners approving of the same is forwarded herewith.*

*This vessel has, owing to having sustained some damage on port side forward when being launched, gone to the Lyne to be dry docked and repaired, and the recommendation as to Class is subject to that being done. The Newcastle Surveyors have been advised.*

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *30* ft., R.Q.D. or Break *—* ft., Bridge Dk. *106* ft., F'castle *34* ft.

(in feet and tenths). When 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) *1 Dk. (Steel), 2 tiers of Beams and deep framing.*

Official No. *—*; Signal Letters *—*

How are the surfaces preserved from oxidation? Inside *Enamel cement and paint.* Outside *By paint.*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system *—* with or without *—* on floor.

Where fitted. Length. Water Capacity. Where fitted. Length. Water Capacity.

Double bottom, aft, *114* *240* Fore peak tank, *—* *—*

Double bottom, under Engines and Boilers, *42* *121* After peak tank, *—* *—*

Double bottom, if under Engines only, *—* *—* Midship deep tank, *21* *—*

Double bottom, if under Boilers only, *—* *—* Other tanks, if fitted, *—* *—*

Double bottom, forward, *144* *353* (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. *1974* DATES OF SURVEYS held while building *1905. Oct. 31. Nov. 6. 8. 10. 13. 16. 20. 22. 24. 29. Dec. 1. 4. 6. 8. 11. 13. 15. 18. 20. 28. 1906. Jan. 5. 8. 12. 15. 17. 19. 22. 26. 29. 31. Feb. 2. 5. 7. 8. 9. 10. 13. 16. 19. 21. 23. 26. 28. Mar. 1. 2. 3. 5. 7. 9. 11. Apr. 12. 20. 24. May. 1. 4. 7. 8. 11.*

Date of Survey *7 March, 1906*

No. *285* in builder's yard.

The amount of Entry Fee *£ 5* Fees applied for, *16. 5. 1906*

Special Survey Fee *£ 110. 14. 6* Received by me, *18. 5. 1906*

Transferring Expenses, if any *£ —*

State whether the Vessel has been built under Special Survey *Yes.*

I am of opinion this Vessel should be Classed *# 900 A 1*

With or without Freeboard, as condition of Class.

Committee's Minute *JUES. 22 MAY 1906*

Character assigned *100 H (SIC)*

*Lloyd's at 100 H (SIC) + Rmc 1. 06*

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

Surveyor's Signature *Jo. Thomson*

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

Builder's Signature (here only) *For FURNESS, WITHEY & CO., LIMITED.*

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