

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London ON WED. AUG 6-1913

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

Date of completion of report *2.8.13*
Survey held at *Stockton-on-Tees*
On the *State of Steels, Tanks, or Trunks (See Sec. 1)*

Port of *Middlesbrough* No. *8051*

Date, First Survey *1st October 1912* Last Survey *18th July 1913*

CLASS *+100A1*

Master *J. Jenkins*

Year of appointment *1913*

Built at *Stockton-on-Tees*

When built *1913* Launched *5.6.13*

By whom built *Gray, Taylor & Co.*

Owners *Charles Radcliffe Ltd*

Managers *Charles Radcliffe Ltd*

Residence *Cardiff*

Port belonging to *London*

Destined Voyage *Hull to Lond* *Surveyed while Building, Afloat, or in Dry Dock* *Yes*

TONNAGE under <i>3785.56</i>
Tonnage Deck <i>64.94</i>
Do. of R.O. Deck <i>40.32</i>
Do. of Bridge Houses <i>16.96</i>
Do. of Forecastle <i>85.93</i>
Do. of Houses on Deck <i>76.85</i>
Do. of excess of Hatchways <i>97.33</i>
Do. above Crown of Engine Room <i>41.67.89</i>
Gross Tonnage <i>41.67.89</i>
Less Crew Space <i>116.40</i>
Less above Crown of Engine Room <i>97.33</i>
TONNAGE FOR FEES <i>8954.16</i>
Less Engine Room <i>1333.72</i>
Less Navigation Spaces <i>147.54</i>
Register Tonnage <i>2570.23</i>
as cut on Beam

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
<i>370</i>	<i>0</i>		<i>51</i>	<i>1</i>		<i>24</i>	<i>1</i>		<i>13</i>	<i>1</i>
Moulded depth, ft. <i>34</i> ins. <i>6 1/2</i> To Bridge Dk. Round of Upper Dk. Beam, Actual <i>13</i> ins.										
Moulded depth, ft. <i>26</i> ins. <i>6</i> To Upper Dk.										

FRAMING.						PILLARS.					
FRAME, Angles, or E or L Bars amidships	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	PILLARS, In 'tween Deck, size and spacing	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
Do. in peaks	<i>10</i>	<i>3 1/2</i>	<i>5 1/2</i>	<i>10</i>	<i>3 1/2</i>	" " Hold	<i>2 1/2</i>	<i>50</i>	<i>2 1/2</i>	<i>50</i>	
Do. in way of Double Bottoms at Solid Floors	<i>6 1/2</i>	<i>3 1/2</i>	<i>4 1/2</i>	<i>6 1/2</i>	<i>3 1/2</i>	" " Quarter 'tween Dks.,	<i>4</i>	<i>and</i>	<i>4</i>	<i>and</i>	<i>4</i>
" " " at intermdt. Bkts.	<i>7 1/2</i>	<i>3 1/2</i>	<i>4 1/2</i>	<i>7 1/2</i>	<i>3 1/2</i>	" " in Hold	<i>10-10 1/2</i>	<i>13</i>	<i>and</i>	<i>13</i>	<i>and</i>
Spacing of Frames from centre to centre amidships	<i>25</i>		<i>25</i>								
" " " from 1/2 length to Collision bulkhead	<i>25</i>		<i>25</i>								
" " " in peaks	<i>24</i>		<i>24</i>								
REVERSED FRAME, Angles	<i>3 1/2</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>3 1/2</i>	KEELSONS & STRINGERS.					
Do. in way of Double Bottoms at Solid Floors	<i>7</i>	<i>3</i>	<i>3 1/2</i>	<i>7</i>	<i>3</i>	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
" " " at intermdt. Bkts.	<i>10</i>					" Rider Plate					
FRAMING, depth of girder						" Flat Plate Keel Angles					
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						" Horizontal Plates on Floors					
" in way of Engine and Boiler Spaces			<i>38</i>		<i>38</i>	" Angles or Bulb Angles					
" thickness at the ends of vessel						SIDE KEELSONS, Number					
" depth at 1/2 the half breadth, as per Rule						" Angles or Bulb Angles					
" height extended at the Bilges		<i>38</i>	<i>36</i>		<i>38</i>	" Plate above floors, for length					
FLOORS in Cell, Double Bottoms						" Intercoastal Plate, for length					
" state if flanged (top & bottom)			<i>2 1/2</i>			" Attached to outside Plating with Angle					
" Spacing of Solid floors	<i>50</i>		<i>50</i>			BILGE KEELSON, Angles					
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.	<i>42</i>	<i>5</i>	<i>4 1/2</i>	<i>42</i>	<i>5</i>	" Intercoastal Plate for length					
" Angles, Top	<i>3 1/2</i>	<i>3 1/2</i>	<i>4 1/2</i>	<i>3 1/2</i>	<i>4 1/2</i>	" Attached to outside Plating with Angle					
" " Bottom	<i>4 1/2</i>	<i>4 1/2</i>	<i>5 1/2</i>	<i>4 1/2</i>	<i>5 1/2</i>	SIDE STRINGERS, Number					
" " to Floors	<i>3 1/2</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>3 1/2</i>	" Angle	<i>6 1/2</i>	<i>3 1/2</i>	<i>58</i>	<i>6 1/2</i>	<i>3 1/2</i>
" Brackets at intermdt. frmg., wdth & thknss	<i>30</i>	<i>38</i>	<i>36</i>	<i>30</i>	<i>38</i>	" Intercoastal Plate, for length					
SIDE GIRDERS, number on each side & thickness	<i>2 1/2</i>	<i>36</i>	<i>34</i>	<i>2 1/2</i>	<i>36</i>	" Attached to outside plating with Angle	<i>Flanged</i>		<i>3 1/2</i>	<i>3 1/2</i>	<i>42</i>
" state if flanged (top and bottom)											
" Angles (top and bottom)	<i>3 1/2</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>3 1/2</i>	Upper Deck Stringer Plate, br'dth & thickness	<i>58/34</i>	<i>74/42</i>	<i>58/34</i>	<i>74/42</i>	
" to Floors	<i>3</i>	<i>3</i>	<i>3 1/2</i>	<i>3</i>	<i>3 1/2</i>	" (clear of Bridge)	<i>58</i>	<i>46</i>	<i>58</i>	<i>46</i>	
MARGIN PLATE, depth (exclusive of flange) and thickness	<i>39 1/2</i>		<i>44</i>	<i>39 1/2</i>	<i>44</i>	" br'dth & thickness (in way of Bridge)	<i>5 x 5</i>	<i>66</i>	<i>5 x 5</i>	<i>66</i>	
" Angles to Outside Plating	<i>3 1/2</i>	<i>3 1/2</i>	<i>4 1/2</i>	<i>3 1/2</i>	<i>4 1/2</i>	" Angle (clear of Bridge)					
" Floors	<i>3 1/2</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>3 1/2</i>	" Tie Plate at sides of Hatchways					
" Brackets at intermdt. frmg., wdth & thknss	<i>30</i>	<i>38</i>	<i>36</i>	<i>30</i>	<i>38</i>	" Deck, * Iron or Steel, for full lng.		<i>4</i>		<i>4</i>	
" Height of Outside Brackets above at bilge	<i>47 1/2</i>		<i>47 1/2</i>			" Thickness (clear of Bridge)		<i>34-32</i>		<i>34-32</i>	
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	<i>41</i>	<i>48</i>	<i>4</i>	<i>41</i>	<i>48</i>	" (in way of Bridge)					
" " Remainder in Holds	<i>8</i>	<i>46</i>	<i>35 1/2</i>	<i>8</i>	<i>46</i>	" Wood Deck. Material & thickness					
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>7 1/2</i>	<i>3</i>	<i>4 1/2</i>	<i>7 1/2</i>	<i>3</i>	Second Deck Stringer Plate, br'dth & thickness					
" In way of Long Bridge	<i>7</i>	<i>3</i>	<i>4 1/2</i>	<i>7</i>	<i>3</i>	" Angles on ditto, No.					
" Spacing	<i>25</i>		<i>25</i>			" Tie Plates outside Hatchways					
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" Deck, * Material and thickness					
" In way of Long Bridge						" Wood Deck. Material & thickness					
" Spacing						Third Deck Stringer Plate, br'dth & thickness					
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" Angles on ditto, No.					
" In way of Long Bridge						" Tie Plates, outside Hatchways					
" Spacing						" Deck, * Material and thickness					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>5 1/2</i>	<i>3</i>	<i>3 1/2</i>	<i>5 1/2</i>	<i>3</i>	Fourth and Fifth Deck Stringer Plate, br'dth & thickness					
" Angles on upper edge	<i>25</i>	<i>24</i>		<i>25</i>	<i>24</i>	" Angles on ditto, No.					
" Spacing	<i>25</i>	<i>24</i>		<i>25</i>	<i>24</i>	" Tie Plates outside Hatchways					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>5 1/2</i>	<i>3</i>	<i>3 1/2</i>	<i>5 1/2</i>	<i>3</i>	" Deck, Material & thickness					
" Angles on upper edge	<i>25</i>	<i>24</i>		<i>25</i>	<i>24</i>	Poop Deck Stringer Plate, breadth & thickness	<i>33</i>	<i>34</i>	<i>33</i>	<i>34</i>	
" Spacing	<i>25</i>	<i>24</i>		<i>25</i>	<i>24</i>	" Angle on ditto	<i>3 1/2 x 3 1/2</i>	<i>34</i>	<i>3 1/2 x 3 1/2</i>	<i>34</i>	
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>5 1/2</i>	<i>3</i>	<i>3 1/2</i>	<i>5 1/2</i>	<i>3</i>	" Tie Plates					
" Angles on upper edge	<i>25</i>	<i>24</i>		<i>25</i>	<i>24</i>	" Deck, Material and thickness	<i>5 1/2</i>	<i>54</i>	<i>5 1/2</i>	<i>54</i>	
" Spacing	<i>25</i>	<i>24</i>		<i>25</i>	<i>24</i>	Bridge Deck Stringer Plate, br'dth & thickness	<i>4 1/2</i>	<i>4 1/2</i>	<i>56</i>	<i>4 1/2</i>	<i>56</i>
						" Angle on ditto					
						" Tie Plates					
						" Deck, Material and thickness	<i>36/32</i>		<i>36</i>	<i>32</i>	
						Forecastle Deck Stringer Plate, br'dth & thickness	<i>33</i>	<i>42</i>	<i>33</i>	<i>42</i>	
						" Angle on ditto	<i>4 1/2 x 4 1/2</i>	<i>42</i>	<i>4 1/2 x 4 1/2</i>	<i>42</i>	
						" Tie Plates					
						" Deck, Material and thickness					

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

WEB FRAMES. In Fore Body, No. and spacing. No. of Side Stringers. WEB FRAMES, In E. & B. Space, No. and spacing. WEB FRAMES, In After Body, No. and spacing. No. of Side Stringers. BRACKET PLATES to Stringers between Web Frames, depth and thickness. BULKHEADS. W.T. BULKHEADS. COLLISION PARTITION LONGITUDINAL. FORGINGS or CASTINGS. KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. RUDDER-A x D Table 22. Speed. Main-Piece, diameter at head. RUDDER, how constructed. Thickness of Plates or Single Plate. Can the Rudder be unshipped afloat? Manufacturer's name or trade mark of the Iron or Steel. PLATING. STRAKES. FLAT PLATE KEEL. GARBOARD or A STRAKE. B. C. D. E. F. G. H. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. THICKNESS OF SHEET-PIPING. CLEAR OF LONG BRIDGE. DO. OF STRAKE BELOW. DBLG. of Flat Plate Keel. Sheerstrakes. POOP SIDES. SHORT BRIDGE SIDES. FORECASTLE SIDES. RIVETING. EDGES. BUTTS. STRAPS. IF LAPPED. UPPER DECK STRINGER PLATE. SECOND DECK STRINGER PLATE. FRAMES extend in one length from. REVERSED FRAMES on floors and frames extend from. MASTS, SPARS, &c. LOWER MASTS. Main. Mizzen. Topmasts, Yards and Remainder of Spars. Rigging, Material and Size, Shrouds. Sails. Suit of. Sails, and the following spare sails.

EQUIPMENT No. 31020. LETTER X. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS. CHAIN CABLES. HAWSERS AND WARPS. Boats. Pumps, Number. Windlass. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers. Ceiling in Holds. Cargo Hatchways. State size No. 1 Hatch. Number of Web Plates. Bulwarks, height above deck and description. Correspondence. Workmanship. Is the riveted work properly closed? Are the liners between the frames and plates solid single pieces? to plate, &c., conform well to each other? Are the butts of Plating, Stringers, &c., properly shifted and strapped? Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? General Remarks. This vessel has been built in accordance with the approved plans, the Sec. 9. 18th of above date and in general conformity with the Rules for the class contemplated. Hand & Steam steering gear tried & found efficient. Nine Plans & two framing reports are forwarded herewith. It is requested that the Plans be returned for use on the sister vessels No. 158 & 159. This is a sister vessel to the S.S. Thistard Mtd report No. 7632. A copy of the Mid. Sec. & Profile as built is forwarded herewith. The Surveyor should state the Number of Report and Name of any Sister Vessel. Amount of Entry Fee. Special Survey Fee. Travelling Expenses, if any. State whether the Vessel has been built under Special Survey. Am of opinion this Vessel should be Classed. With or without Freeboard, as condition of Class. Committee's Minute. Character assigned. Lloyd's Reg. Co. 27th 7/13. W. Lloyd's Register Foundation.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 52 ft., R.Q.D. ft., Bridge and Forecastle 209 (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 should appear in the Register Book) 1 Mk (SR)
 Official No. 135246; Signal Letters _____ State if Machinery is fitted aft no
 How are the surfaces preserved from oxidation? Inside Paint & Cement Outside Paint

PARTICULARS OF WATER BALLAST. State whether the Double bottom is constructed on the cellular system or with girders on floors. Cell. 173"

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>127.08</u>	<u>456</u>	Fore peak tank,		
Double bottom, under Engines and Boilers,	<u>39.58</u>	<u>160</u>	After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,	<u>152.08</u>	<u>536</u>	Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom	<u>1152</u>	(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.

Order for Special Survey No. 1068

Date 25.10.12

No. 157 in builder's yard.

DATES of Surveys held while building

1912. Oct. 4. 9. 24. 30. Nov. 7. 8. 11. 19. 21. 25. 27. Dec. 3. 12. 17. 23. 30. 1913. Jan. 6. 14. 16. 22. 27. 31. Feb. 6. 10. 14. 18. 25. 27. 14. 20. 27. 31. Apr. 3. 8. 9. 15. 18. 23. 28. May 2. 6. 7. 16. 20. 23. 27. 29. Jun. 2. 4. 5. 12. 18. Jul. 1. 3. 9. 15. 16. 17. 18.

Surveyor's Signature

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Rpt. 4.

These

Signal Letters

Official

135

No., Date, and

Whether British or Foreign Built

British

Number of

Number of

Rigged

Stern

Build

Galleries

Head

Framework

vessel

Number of

Number of

and their

No. of sets of Engines.

One

No. of Shafts.

✓

Under Tonnage

Space or spaces

Turret or Trun

Forecastle

Bridge space

Poop or Break

Side Houses

Deck Houses

Chart House

Spaces for mach

Section 78 (2)

1894

Excess of Hatch

Gross T

Deductions, as p

NOTE 1.—The tonna

Deck for

NOTE 2.—The under

Open fe

Open pe

Name of

No. of Owners

Name, Residence

B. Carlos

hav

Manage

Dated 18th

830). (69862) Wt. 289

any procedure of