

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office... THU. MAY. 6 - 1915

Date of completion of report *MAY 12 1915*

Port of *SUNDERLAND*

No. *26442*

Survey held at *SUNDERLAND*

Date, First Survey *Sept 15, 1914*

Last Survey *April 29 1915*

On the (State if Single, Twin, or Triple Screw)

*SINGLE SCREW STEAMER "HARTFIELD"*

Rig *SCHOONER*

TONNAGE under

CLASS *100 A.1*

FEET.

Master *B. J. KEELY*

Year of appointment

(1) As Master in service of owner of present vessel—1914  
(2) As Master of this vessel—1915

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

Breadth (greatest moulded) *51.75*

Total under Upper Dk.

Depth, at middle of length from top of keel to top of upper deck beams at side *28.20*

Do. of Poop *103.11*

Transverse Number *79.95*

Do. of R.Q.Dk. *19.52*

Length on deck from fore part of stem to after part of stern post *400.0*

Do. of Bridge House *8.16*

Longitudinal Number *31980*

Do. of Houses on Dk. *111.95*

Depth "d," at middle of length (See Secs. 2 & 18) *24.87*

Do. of excess of Hatchways *33.32*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *14.1*

Do. above Crown of Engine Room *15.55*

" Long Bridge Deck Beam at side to top of keel *10.99*

Gross Tonnage *4651.12*

Destined Voyage *Baltimore*

Surveyed while Building, Afloat, or in Dry Dock under Special Supervision

Less Crew Space *148.77*

Less above Crown of Engine Room *15.55*

TONNAGE FOR FEES *4486.80*

Less Engine Room *148.77*

Less Navigation Spaces *128.64*

Less above Crown of Engine Room *15.55*

Register Tonnage as out on Beam *3885.15*

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
	400	0		28	2 1/2	Do. do. do. do. Second Dk. Beams	25	8 1/2	One
Moulded depth, ft. <i>36</i> ins. <i>4 1/2</i> To Bridge Dk. Round of Upper Dk. Beam, Actual <i>13</i> ins.									
Moulded depth, ft. <i>28</i> ins. <i>2 1/2</i> To Upper Dk.									

Dimensions of Ship per Register. Length *400.0* breadth *52.1* depth *25.7*

FRAMING.							PILLARS.						
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.	Inches per Rule.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule.	Inches per Rule.	Inches per Rule.
FRAME, <del>Angles or Bars</del> amidships	12	3 1/2	52 1/2	12	3 1/2	52	PILLARS, In 'tween Deck, size and spacing	6x3x3x4 1/2 to 4 angles	7x3x3x4 1/2	6x6x6 1/2			
Do. in peaks	7	3 1/2	42 1/2	7	3 1/2	42	" " Hold	5x5x60 to 4 angles	6x6x6 1/2				
Do. in way of Double Bottoms at Solid Floors.	3 1/2	3 1/2	40 1/2	3 1/2	3 1/2	40	" Quarter 'tween Dks.,	6x3x3x40 to 4 angles	7x3x3x40 1/2	6x6x6 1/2			
" " at intermdt. Bkts.	7 1/2	3 1/2	40 1/2	7 1/2	3 1/2	40	" " in Hold	5x5x60 to 4 angles	6x6x6 1/2				
Spacing of Frames from centre to centre amidships		25 1/2			25 1/2		KEELSONS & STRINGERS.						
" " length to Collision bulkhead		24 1/2			24 1/2		CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
" " in peaks.		24			24		" Rider Plate						
REVERSED FRAME, Angles							" Flat Plate Keel Angles						
Do. in way of Double Bottoms at Solid Floors.	3 1/2	3 1/2	40 1/2	3 1/2	3 1/2	40	" Horizontal Plates on Floors						
" " at intermdt. Bkts.	7 1/2	3 1/2	40 1/2	7 1/2	3 1/2	40	" Angles or Bulb Angles						
FRAMING, depth of girder							SIDE KEELSONS, Number						
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships.							" Angles or Bulb Angles						
" in way of Engine and Boiler Spaces							" Plate above floors, for length						
" thickness at the ends of vessel							" Intercoastal Plate, for length						
" depth at 1/2 the half breadth, as per Rule							" Attached to outside Plating with Angle						
" height extended at the Bilges							BILGE KEELSON, Angles						
FLOORS in Cell. Double Bottoms.							" Intercoastal Plate for length	10	46	10	46		
" state if flanged (top & bottom).							" Attached to outside Plating with Angle	4	4	50	4	4	50
" Spacing of Solid floors							SIDE STRINGERS, Number						
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	4 1/2	4 1/2	60	4 1/2	4 1/2	60	" Angle	6 1/2	3 1/2	50	6 1/2	3 1/2	50
" Angles, Top	4 1/2	4 1/2	60	4 1/2	4 1/2	60	" Intercoastal Plate, for length	15 1/2	42	15 1/2	42		
" " Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	60	" Attached to outside plating with Angle	3 1/2	3 1/2	42	3 1/2	3 1/2	42
" " to Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	60	66	60	66		
Brackets at intermdt. frmg., wdth & thcknss	30	40	50 1/2	30	40	50 1/2	" " " " br'dth & thickness (in way of Bridge)	60	48	60	48		
SIDE GIRDERS, number on each side & thickness	2x11-1/2x40	50 1/2	2x11-1/2x40	50 1/2			" " " " Angle (clear of Bridge)	5x5	68	5x5	68		
" state if flanged (top and bottom)							" " " " Tie Plate at sides of Hatchways	PLATING		INCREASED			
" Angles (top and bottom)	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" Deck * Iron or Steel, for lng.						
" " to Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" Thickness (clear of Bridge)	44		44			
MARGIN PLATE, depth (exclusive of flange) and thickness	35	48	50 1/2	35	48	50 1/2	" " (in way of Bridge)	36		36			
" Angle to Outside Plating	4	4	48	4	4	48	" Wood Deck. Material & thickness	No. 1000		DECK LATH			
" " Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	Second Deck Stringer Plate, br'dth & thickness						
Brackets at intermdt. frmg., wdth & thcknss	30	40	50 1/2	30	40	50 1/2	" Angles on ditto, No.						
Height of Outside Brackets above at bilge	49			49			" Tie Plates outside Hatchways						
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	72	46 1/2	50 1/2	72	46 1/2	50 1/2	" Deck * Iron or Steel, for lng.						
" " in Engine and Boiler space	48	48 1/2	50 1/2	48	48 1/2	50 1/2	" Wood Deck. Material & thickness						
" " Remainder in Holds	40			40			Third Deck Stringer Plate, br'dth & thickness						
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7 1/2	3	44	7 1/2	3	44	" Angles on ditto, No.						
" In way of Long Bridge	7 1/2	3	44	7 1/2	3	44	" Tie Plates, outside Hatchways						
" Spacing	25 1/2			25 1/2			" Deck * Material and thickness						
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7 1/2	3	44	7 1/2	3	44	Fourth and Fifth Deck Stringer Plate, breadth & thickness						
" Spacing	25 1/2			25 1/2			" Angles on ditto, No.						
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7 1/2	3	44	7 1/2	3	44	" Tie Plates outside Hatchways						
" Angles on upper edge	25 1/2			25 1/2			" Deck. Material & thickness						
" Spacing	25 1/2			25 1/2			Poop Deck Stringer Plate, breadth & thickness	48	34	48	34		
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5 1/2	3	40	5 1/2	3	40	" Angle on ditto	3 1/2	3 1/2	34	3 1/2	3 1/2	34
" Angles on upper edge	25 1/2			25 1/2			" Tie Plates						
" Spacing	25 1/2			25 1/2			" Deck. Material and thickness						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5 1/2	3	40	5 1/2	3	40	Bridge Deck Stringer Plate, br'dth & thickness						
" Angles on upper edge	25 1/2			25 1/2			" Angle on ditto	5x5	58	5x5	58		
" Spacing	25 1/2			25 1/2			" Tie Plates						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3 1/2	50	8	3 1/2	50	" Deck. Material and thickness						
" Angles on upper edge	5 1/2			5 1/2			Forecastle Deck Stringer Plate, br'dth & th'kns	48	34	48	34		
" Spacing	5 1/2			5 1/2			" Angle on ditto	3 1/2	3 1/2	34	3 1/2	3 1/2	34
							" Tie Plates						
							" Deck. Material and thickness						

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

481-0125 (112)



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GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 29.0 ft., R.Q.D. ☒ ft., Bridge 24437 ft., Forecastle 37 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 should appear in the Register Book) ONE OR STEEL

Official No. 138998; Signal Letters ☒

State if Machinery is fitted aft No

How are the surfaces preserved from oxidation? Inside PORTLAND CEMENT AND PAINT Outside PAINT

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors Cellular System

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>140.25</u>	<u>321</u>	Fore peak tank,	-	<u>172</u>
Double bottom, under Engines and Boilers,	<u>42.50</u>	<u>164</u>	After peak tank,	-	<u>172</u>
Double bottom, if under Engines only,	-	-	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	-	-
Double bottom, forward,	<u>172.12</u>	<u>549</u>	Other tanks, if fitted,	-	-
	Total capacity of double bottom	<u>1034</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 Yes

Order for Special Survey No. 5146

Date 26.5.14

No. 236 in builder's yard.

DAYS OF SURVEYS  
held while building

1914. Sep. 15. 18. 24. 29. 30. Oct. 1. 2. 8. 12. 16. 23. 28. 29. Nov. 2. 3. 12. 13. 19. 20. 24. Dec. 1. 2. 8. 12. 15. 22. 28. 29. 1915 Jan. 5. 7. 12. 15. 22. 28. Feb. 9. 14. 11. 15. 16. 19. 23. 25. Mar. 1. 2. 8. 12. 15. 22. 28. 29. Apr. 1. 2. 8. 12. 15. 22. 28. 29. May 1. 2. 8. 12. 15. 22. 28. 29. Jun. 1. 2. 8. 12. 15. 22. 28. 29. Jul. 1. 2. 8. 12. 15. 22. 28. 29. Aug. 1. 2. 8. 12. 15. 22. 28. 29. Sep. 1. 2. 8. 12. 15. 22. 28. 29. Oct. 1. 2. 8. 12. 15. 22. 28. 29. Nov. 1. 2. 8. 12. 15. 22. 28. 29. Dec. 1. 2. 8. 12. 15. 22. 28. 29.

Surveyor's Signature



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Total No. of Visits 59

Lloyd's Register  
Foundation