

2 Dks., R.Q.Dk.,

IRON OR STEEL STEAMER.

MON 30 NOV 1896

Received at London Office.

1 Pt. Awng. Dk.

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

Date of completion of Report *26th November 96*

Port of *Sunderland*

Survey held at *Sunderland* Date, First Survey *24 July 1896*

Last Survey *21st November 1896*

on the steel screw steamer *NORMAN*

YARD No *188*

Rig *Schooner (3 masts)*

NAGE under
nage Deck... } *510.06*
of Poop
of Raised Qr. } *92.13*
or Break... }
of Bridge House } *23.03*
of Forecastle } *18.98*
of Houses on Deck } *15.01*
of excess of Hatchways } *23.85*
above Crown of } *44.48*
s Tonnage } *727.54*
Crew Space } *34.97*
above Crown of } *44.48*
Engine Room } *19.45*
TAGE OR FEES... } *648.09*
Engine Room } *452.01*
Navigation Space } *18.23*
W.N. & E.R. } *44.48*
ster Tonnage } *425.76*
cut on Beam... } *222.33*

ONE OR TWO DECKED VESSEL.

CLASS **100 A1*

FEET.

Half Breadth (moulded) *14.37*

Depth from upper part of Keel to top of Main Deck Bms. *13.74*

Girth of Half Midship Frame (as per Rule) *24.83*

1st Number *52.94*

Length *204.46*

2nd Number *10824*

Proportions—Breadths to Length *7.11*

Depths to Length—Main Deck to top of Keel..... *14.96*

Destined Voyage *Harve*

4 Surveyed while Building, Afloat, or in Dry Dock

Master *W Hawthorn*

Year of appointment *(1) As master in service of owner of present vessel, 1896 (2) As master of this vessel, 1896*

Built at *Sunderland*

When built *1896* Launched *5th November*

By whom built *Sunderland Shipbuilding Co. Ltd.*

Owners *E Hawthorn*

Managers

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

Residence *West Cowes, Isle of Wight*

Port belonging to *London*

GTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH—	Feet.	Inches.	Power of	Horse.	No. of Decks with Flat laid
per Rule.....	<i>204</i>	<i>5</i>	Moulded.....	<i>28</i>	<i>9</i>	Top of Floors to Main Deck Bms.	<i>11</i>	<i>1</i>	Engines	<i>135</i>	<i>One</i>
Dimensions of Ship per Register, Length, <i>206.0</i> breadth, <i>29.0</i> depth, <i>12.4</i> Moulded Depth, ft. <i>13</i> ins. <i>2</i> Round of Beam <i>7</i> inches.											

FRAMING.					
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule or as Approved.	Inches per Rule or as Approved.
NAME, Angles, <i>E or L</i> Bars, for $\frac{1}{2}$ length amidships.....	<i>3 1/2</i>	<i>3</i>	<i>6</i>	<i>3 1/2</i>	<i>3</i>
do. for $\frac{1}{2}$ at each end.....	<i>3 1/2</i>	<i>3</i>	<i>5</i>	<i>3 1/2</i>	<i>3</i>
do. in way of Double Bottoms at Solid Floors.....	<i>3</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>3</i>
do. at intermdt. Bkts.....	<i>3 1/2</i>	<i>3</i>	<i>6</i>	<i>3 1/2</i>	<i>3</i>
ance of Frames from moulding edge to moulding edge, all fore and aft.....	<i>-</i>	<i>22</i>	<i>-</i>	<i>-</i>	<i>22</i>
VERSED FRAME, Angles.....	<i>3</i>	<i>2 1/2</i>	<i>5</i>	<i>3</i>	<i>2 1/2</i>
EP-FRAMING, depth of girder.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
DOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships.....	<i>Cellular double bottom with floors on alternate frames. Ordinary (15") floors under Engines 7/8 and under boilers 8/10 thick as per Rules.</i>				
do. in way of Engines and Boilers.....					
do. thickness at the ends of vessel.....	<i>3 1/2</i>	<i>3</i>	<i>6</i>	<i>3 1/2</i>	<i>3</i>
do. depth at $\frac{1}{2}$ the half breadth, as per Rule.....	<i>-</i>	<i>22</i>	<i>-</i>	<i>-</i>	<i>22</i>
do. height extended at the Bilges.....	<i>-</i>	<i>44</i>	<i>-</i>	<i>-</i>	<i>44</i>
DOORS & BRACKETS, in Cell Dble Bottoms.....	<i>-</i>	<i>44</i>	<i>-</i>	<i>-</i>	<i>44</i>
do. Distance apart.....	<i>-</i>	<i>44</i>	<i>-</i>	<i>-</i>	<i>44</i>
NTRE GIRDER, in Double Bottom, depth and thickness.....	<i>32</i>	<i>-</i>	<i>8</i>	<i>32</i>	<i>-</i>
do. Angles, Top.....	<i>3 1/2</i>	<i>3 1/2</i>	<i>7</i>	<i>3 1/2</i>	<i>7</i>
do. Bottom.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
IE GIRDERS, number and thickness.....	<i>Two</i>	<i>-</i>	<i>6</i>	<i>Two</i>	<i>-</i>
do. Angles.....	<i>3</i>	<i>2 1/2</i>	<i>6</i>	<i>3</i>	<i>2 1/2</i>
RGIN PLATE, depth (exclusive of flange) and thickness.....	<i>18</i>	<i>-</i>	<i>6</i>	<i>18</i>	<i>-</i>
do. Angles.....	<i>3</i>	<i>3</i>	<i>7</i>	<i>3</i>	<i>7</i>
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake.....	<i>38 7/8</i>	<i>33</i>	<i>7</i>	<i>38 7/8</i>	<i>33</i>
do. thickness in Engine and Boiler space.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
do. Remainder in Holds.....	<i>5 1/2</i>	<i>3</i>	<i>7</i>	<i>5 1/2</i>	<i>3</i>
AMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb.....	<i>5</i>	<i>3</i>	<i>7</i>	<i>5</i>	<i>3</i>
do. Angles on Upper Edge.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
do. Average space.....	<i>-</i>	<i>22</i>	<i>-</i>	<i>-</i>	<i>22</i>
AMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
do. Angles on Upper Edge.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
do. Average space.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
AMS, Hold, Plate or Tee Bulb.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
do. Angles on Upper Edge.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
do. Average space.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
AMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
do. Angles on Upper Edge.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
do. Average space.....	<i>-</i>	<i>22</i>	<i>-</i>	<i>-</i>	<i>22</i>
AMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb.....	<i>4</i>	<i>2 1/2</i>	<i>6</i>	<i>4</i>	<i>2 1/2</i>
do. Angles on Upper Edge.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
do. Average space.....	<i>-</i>	<i>22</i>	<i>-</i>	<i>-</i>	<i>22</i>
LLARS, In 'tween Decks, Size and Spacing.....					
do. Hold.....	<i>2 1/2" spaced as per Rules.</i>				
do. Quarter, 'tween Dks.,.....					
do. in Hold.....	<i>3" spaced as per Rules.</i>				
EB FRAMES, In Fore Body, No. and Spacing.....	<i>Two web frames at main hatch</i>				
do. Brdth. & Thickness.....	<i>15</i>	<i>-</i>	<i>6</i>	<i>15</i>	<i>-</i>
do. No. of Side Stringers.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
EB FRAMES, In E. & B. Space, No. & Spacing.....	<i>Three within 7 spaces.</i>				
do. Brdth. & Thickness.....	<i>15</i>	<i>-</i>	<i>6</i>	<i>15</i>	<i>-</i>
EB FRAMES, In After Body, No. and Spacing.....	<i>Three - eight from spaces</i>				
do. Brdth. & Thickness.....	<i>15</i>	<i>-</i>	<i>6</i>	<i>15</i>	<i>-</i>
do. No. of Side Stringers.....	<i>Two</i>	<i>15</i>	<i>6</i>	<i>Two</i>	<i>15</i>
do. Size of Angles or Tee Bars to Web Frames.....	<i>5</i>	<i>3</i>	<i>7</i>	<i>5</i>	<i>3</i>
ACKET PLATES to Stringers between Web Frames, Depth and Thickness.....	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>

FORGINGS AND CASTINGS.			Inches in Ship.		Inches per Rule. Or as Approved.			
KEEL, Bar or Side Plates depth and thickness.....			6 x 2 5/16		6 x 2 5/16			
STEM, moulding and thickness.....			6 x 2 5/16		6 x 2 5/16			
STERN-POST for Rudder do. do.			6 1/2 x 3 3/4		6 1/2 x 3 3/4			
" for Propeller.....			6 1/2 x 3 3/4		6 1/2 x 3 3/4			
MAIN PIECE of Rudder, diameter at head....			4 3/4		4 3/4			
do. at heel			3 3/4 x 3 3/4		3 3/4 x 3 3/4			
RUDDER, how constructed <i>Cast steel, single plate.</i>								
Can the Rudder be unshipped afloat? <i>yes</i>								
KEELSONS AND STRINGERS.			Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as	Inches per Rule Appro	20ths in Ship. per Rule red.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate).....			12	-	10	12	-	10
" Rider Plate.....			10	-	10	10	-	10
" Bulb Plate to Intercoastal Keelson.....			-	-	-	-	-	-
" Horizontal Plates on Floors.....			-	-	-	-	-	-
" Angles.....			4 1/2	3	7	4 1/2	3	7
SIDE KEELSON, Angles.....			4 1/2	3	7	4 1/2	3	7
" Bulb or Plate above floors for lng.....			-	-	-	-	-	-
" Intercoastal Plate for 1/4" E & B space length.....			-	-	7	-	-	7
" Attached to outside plating with Angle..			3	3	7	3	3	7
BILGE KEELSON, Angles, amidships.....			4 1/2	3	7	4 1/2	3	7
" Bulb or Plate above floors for " len.....			7	-	7	7	-	7
" Intercoastal Plate for " length.....			-	-	-	-	-	-
" Attached to outside plating with Angle..			-	-	-	-	-	-
BILGE STRINGER Angles Forward.....			4	3 1/2	8	4	3 1/2	8
" Bulb Plate for " length.....			7	-	7	7	-	7
" Intercoastal Plate for " length.....			-	-	-	-	-	-
" Attached to outside plating with Angle.....			-	-	-	-	-	-
SIDE STRINGER Angles.....			4	3 1/2	8	4	3 1/2	8
" Bulb or Intercoastal Plate for lng.....			-	-	-	-	-	-
" Attached to outside plating with Angle.....			-	-	-	-	-	-
Main and Raised Quarter Deck Stringer Plate, breadth and thickness <i>See deck plan</i>			78 1/2	64	10	29	10	
" Angle on ditto.....			3 1/2 x 3 1/2	x 7	3 1/2 x 3 1/2	x 7		
" Tie Plates fore & aft, outside Hatchways ..			<i>Deck increased to 10/20</i>					
" Diagonal Tie Plates on Bms., No. of Pairs.....			-	-	-	-	-	-
" Main Dk* Iron or Steel for whole lng.....			-	-	6	-	-	6
" R. Q. Dk* Iron or Steel for whole lng.....			-	-	6	-	-	6
" Wood Deck, Material & thickness.....			-	-	-	-	-	-
Lower Deck Stringer Plate, breadth and thickness.....			-	-	-	-	-	-
" Angles on ditto, No.....			-	-	-	-	-	-
" Tie Plates, outside Hatchways.....			-	-	-	-	-	-
" Deck* Material and thickness.....			-	-	-	-	-	-
Hold Stringer Plate.....			-	-	-	-	-	-
" Angles on ditto, No.....			-	-	-	-	-	-
Poop Deck Stringer Plate, breadth & thickness.....			-	-	-	-	-	-
" Angle on ditto.....			-	-	-	-	-	-
" Tie Plates.....			-	-	-	-	-	-
" Deck, Material and thickness.....			-	-	-	-	-	-
Bridge Deck Stringer Plate, brdth & thickness.....			30	7	30	7		
" Angle on ditto.....			3 x 3 x	6	3 x 3 x	6		
" Tie Plates.....			-	-	-	-	-	-
" Deck, Material and thickness <i>steel</i>			-	5	-	-	5	
Forecastle Deck Stringer Plate, brdth & thcknss.....			30	7	30	7		
" Angle on ditto.....			3 x 3 x	6	3 x 3 x	6		
" Tie Plates.....			-	-	-	-	-	-
" Deck, Material and thickness <i>Steel</i>			-	5	-	-	5	
* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.								
BULKHEADS.			STIFFENERS.			Single or Double Frames.	Height up	
	Number.	Thickness.	Horizontal.	Vertical.	Spacing			
	In Vessel.	Per Rule.	10ths on 20ths.	Inches.	Inches.	Inches.		
W. T. BULKHEADS	4	4	6-5	3 1/2 x 3 1/2	3 1/2 x 3 1/2	20 48	Double Upper deck	
PARTITION "								
LONGITUDINAL ..								
<i>For peak stiffeners with 5 x 5 x 1/2 angles.</i>								
Are the outside Plates doubled two spaces of Frames in length? <i>no</i> diamond plates								

