

1 or 2 Dks., R.O. Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

No. 22253

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

Received at London Office

Date of completion of Report *8th May 1905*

Port of *Sunderland*

Date, First Survey *5th July 1904*

Last Survey *27th April 1905*

Survey held at

On the

Sunderland
"DUNKELD"

Rig *Schooner*

Master *Matthew Irvine*

Year of appointment

(1) As master in service of
owner of present vessel: 1905
(2) As master of this
vessel: 1905

TONNAGE under

Do. of Poop

Do. of Raised Qr.

Do. of Break.

Do. of Bridge House Round

Do. of Forecastle

Do. of Houses on Deck

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES

Less Engine Room

Less Navigation Spaces

ONE OR TWO DECKED VESSEL.

CLASS *100 A1*

FEET.

Half Breadth (moulded) *22.88*

Depth from upper part of Keel to top of Main Deck Bms. *24.69*

Girth of Half Midship Frame (as per Rule) *43.42*

1st Number *90.99*

Length on deck from after part of stem to fore part of stern post *317.67*

2nd Number *28904*

Proportions—Breadths to Length *6.94*

Depths to Length—Main Deck to top of Keel *12.88*

Destined Voyage *U.S.A.*

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

Register Tonnage

as cut on Beam

LENGTH on Deck as

per Rule

Feet. *317*

Inches. *8*

BREADTH—

Moulded

Feet. *45*

Inches. *9*

DEPTH, ACTUAL—

Top of Floors to top of Main Deck Beams

Feet. *21*

Inches. *3 3/4*

No. of Decks with Flat laid

No. of Tiers of Beams

one

one

Dimensions of Ship per Register, Length, *319.5* breadth, *46.0* depth, *21.25* Moulded Depth, *23* ft. *9* ins. Round of Beam, Actual *11 1/4* ins.

FRAMING.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, Angles, <i>2</i> or <i>3</i> Bars, for $\frac{1}{2}$ length amidships	<i>10</i>	<i>3 1/2</i>	<i>12</i>	<i>10</i>	<i>3 1/2</i>	<i>12</i>
Do. for $\frac{1}{2}$ at each end	<i>"</i>	<i>"</i>	<i>11</i>	<i>"</i>	<i>"</i>	<i>11</i>
Do. in way of Double Bottoms at Solid Floors	<i>3 1/2</i>	<i>3 1/2</i>	<i>8.7</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>8.7</i>
Spacing of Frames from centre to centre	<i>24</i>	<i>"</i>	<i>24</i>	<i>"</i>	<i>"</i>	<i>"</i>
REVERSED FRAME, Angles	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
DEEP FRAMING, depth of girder	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" in way of Engines and Boilers	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" thickness at the ends of vessel	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" depth at $\frac{1}{2}$ the half breadth, as per Rule	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" height extended at the Bilges	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
FLOORS & BRACKETS, in Cell Dble Bottoms	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" state if flanged (top & bottom)	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Spacing	<i>24</i>	<i>"</i>	<i>24</i>	<i>"</i>	<i>"</i>	<i>"</i>
CENTRE GIRDER, in Double Bottom, depth and thickness	<i>41</i>	<i>"</i>	<i>10.8</i>	<i>41</i>	<i>"</i>	<i>10.8</i>
" Angles, Top	<i>4</i>	<i>4</i>	<i>9</i>	<i>4</i>	<i>4</i>	<i>9</i>
" Bottom	<i>4</i>	<i>4</i>	<i>12.11</i>	<i>4</i>	<i>4</i>	<i>12.11</i>
SIDE GIRDERS, number on each side & thickness	<i>one</i>	<i>"</i>	<i>9</i>	<i>one</i>	<i>"</i>	<i>9</i>
" state if flanged (top & bottom)	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Angles	<i>3 1/2</i>	<i>3 1/2</i>	<i>8</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>8</i>
MARGIN PLATE, depth (exclusive of flange) and thickness	<i>32</i>	<i>"</i>	<i>9</i>	<i>32</i>	<i>"</i>	<i>9</i>
" Angles to Outside Plating	<i>4</i>	<i>4</i>	<i>9</i>	<i>4</i>	<i>4</i>	<i>9</i>
" Floors	<i>"</i>	<i>"</i>	<i>8</i>	<i>"</i>	<i>"</i>	<i>8</i>
" Height of Floors at the Bilges	<i>"</i>	<i>"</i>	<i>5.7 1/2</i>	<i>"</i>	<i>"</i>	<i>5.7 1/2</i>
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	<i>60</i>	<i>"</i>	<i>10.8</i>	<i>60</i>	<i>"</i>	<i>10.8</i>
" thickness in Engine and Boiler space	<i>"</i>	<i>"</i>	<i>10.7 1/2</i>	<i>"</i>	<i>"</i>	<i>10.7 1/2</i>
" Remainder in Holds	<i>"</i>	<i>"</i>	<i>8.7</i>	<i>"</i>	<i>"</i>	<i>8.7</i>
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<i>9</i>	<i>3 1/2</i>	<i>10</i>	<i>9</i>	<i>3 1/2</i>	<i>10</i>
" Angles on Upper Edge	<i>24</i>	<i>"</i>	<i>24</i>	<i>"</i>	<i>"</i>	<i>24</i>
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Angles on Upper Edge	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Spacing	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
BEAMS, Hold, Plate or Tee Bulb	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Angles on Upper Edge	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Spacing	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	<i>6</i>	<i>3</i>	<i>8</i>	<i>6</i>	<i>3</i>	<i>8</i>
" Angles on Upper Edge	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Spacing	<i>24</i>	<i>"</i>	<i>24</i>	<i>"</i>	<i>"</i>	<i>24</i>
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb	<i>7</i>	<i>3</i>	<i>9</i>	<i>7</i>	<i>3</i>	<i>9</i>
" Angles on Upper Edge	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Spacing	<i>24</i>	<i>"</i>	<i>24</i>	<i>"</i>	<i>"</i>	<i>24</i>
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	<i>8 1/2</i>	<i>3 1/2</i>	<i>12 1/2</i>	<i>8 1/2</i>	<i>3 1/2</i>	<i>12 1/2</i>
" Angles on Upper Edge	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Spacing	<i>48</i>	<i>"</i>	<i>48</i>	<i>"</i>	<i>"</i>	<i>48</i>
PILLARS, in 'tween Decks, Size and Spacing	<i>2 3/4</i>	<i>"</i>	<i>48</i>	<i>2 3/4</i>	<i>"</i>	<i>48</i>
" Hold	<i>4 1/4</i>	<i>"</i>	<i>48</i>	<i>4 1/4</i>	<i>"</i>	<i>48</i>
" Quarter, 'tween Dks.,	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" in Hold	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
WEB FRAMES, in Fore Body, No. and Spacing	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" No. of Side Stringers	<i>one</i>	<i>"</i>	<i>one</i>	<i>"</i>	<i>"</i>	<i>one</i>
WEB FRAMES, in E. & B. Space, No. & Spacing	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Brdth. & Thickness	<i>27</i>	<i>9/16</i>	<i>18</i>	<i>9/16</i>	<i>"</i>	<i>"</i>
WEB FRAMES, in After Body, No. and Spacing	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Brdth. & Thickness	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" No. of Side Stringers	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Size of Angles or Tee Bars to Web Frames	<i>6</i>	<i>4</i>	<i>12</i>	<i>6</i>	<i>4</i>	<i>12</i>
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	<i>"</i>	<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	<i>Flat plate 10 1/2 x 2 3/4</i>	<i>10 1/2 x 2 3/4</i>
STEM, moulding and thickness	<i>10 1/2 x 2 3/4</i>	<i>7 11 x 6</i>
STERN-POST for Rudder do. do.	<i>11 x 6</i>	<i>7 8</i>
" for Propeller	<i>"</i>	<i>7 8</i>
MAIN PIECE of Rudder, diameter at head	<i>8</i>	<i>6</i>
do. at heel	<i>6</i>	<i>6</i>

RUDDER, how constructed *Single plate, built*
Can the Rudder be unshipped afloat? *yes*

KEELSONS AND STRINGERS.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Rider Plate	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Bulb Plate to Intercoastal Keelson	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Horizontal Plates on Floors	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Angles	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
SIDE KEELSON, Angles	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Bulb or Plate above floors for length	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Intercoastal Plate for length	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Attached to outside plating with Angle	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
BILGE KEELSON, Angles	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Bulb or Plate above floors for length	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Intercoastal Plate for length	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Attached to outside plating with Angle	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
BILGE STRINGER Angles	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Bulb Plate for length	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Intercoastal Plate for length	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Attached to outside plating with Angle	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
SIDE STRINGER Angles	<i>6</i>	<i>4</i>	<i>12</i>	<i>6</i>	<i>4</i>	<i>12</i>
" Bulb or Intercoastal Plate for full length	<i>14</i>	<i>"</i>	<i>8</i>	<i>14</i>	<i>"</i>	<i>8</i>
" Attached to outside plating with Angle	<i>3 1/2</i>	<i>3 1/2</i>	<i>8</i>	<i>3 1/2</i>	<i>3 1/2</i>	<i>8</i>

Main and Raised Quarter Deck Stringer Plate, breadth and thickness	<i>4 6</i>	<i>12.8</i>	<i>4 6</i>	<i>12.8</i>
" Angle on ditto	<i>10/20 in way of BRIDGE</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Tie Plates fore & aft, outside Hatchways	<i>4 1/2 x 4 1/2</i>	<i>10</i>	<i>4 1/2 x 4 1/2</i>	<i>10</i>
" Diagonal Tie Plates on Bms. No. of Pairs	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Main Dk* Iron or Steel for full length	<i>7-6</i>	<i>Iron when exposed</i>	<i>7-6</i>	<i>"</i>
" R.O. Dk* Iron or Steel for full length	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Wood Deck, Material & thickness	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
Lower Deck Stringer Plate, breadth and thickness	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Angles on ditto, No.	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Tie Plates, outside Hatchways	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Deck* Material and thickness	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
Hold Stringer Plate	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
" Angles on ditto, No.	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
Poop Deck Stringer Plate, breadth & thickness	<i>27</i>	<i>6</i>	<i>27</i>	<i>6</i>
" Angle on ditto	<i>3 1/2 x 3 1/2</i>	<i>7</i>	<i>3 1/2 x 3 1/2</i>	<i>7</i>
" Tie Plates	<i>Steel 5x</i>	<i>5/16</i>	<i>Steel 5x</i>	<i>5/16</i>
" Deck, Material and thickness	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness	<i>40</i>	<i>10</i>	<i>40</i>	<i>10</i>
" Angle on ditto	<i>5 1/2 x 3 1/2</i>	<i>8</i>	<i>5 1/2 x 3 1/2</i>	<i>8</i>
" Tie Plates	<i>Steel 4 1/2</i>	<i>5/16</i>	<i>Steel 4 1/2</i>	<i>5/16</i>
" Deck, Material and thickness	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>
Forecastle Deck Stringer Plate, brdth & thcknss	<i>27</i>	<i>6</i>	<i>27</i>	<i>6</i>
" Angle on ditto	<i>3 1/2 x 3 1/2</i>	<i>7</i>	<i>3 1/2 x 3 1/2</i>	<i>7</i>
" Tie Plates	<i>Steel 5x</i>	<i>5/16</i>	<i>Steel 5x</i>	<i>5/16</i>
" Deck, Material and thickness	<i>P.P. 5 x 3 1/2</i>	<i>5 x 3 1/2</i>	<i>P.P. 5 x 3 1/2</i>	<i>5 x 3 1/2</i>

	Number.	Thickness.	Horizontal.	Vertical.	Single or Double Frames.	Height up.
BULKHEADS.	In Vessel.	Per Rule.	Size.	Size.		
W.T. BULKHEADS	<i>5</i>	<i>5</i>	<i>7-6</i>	<i>Flanged 12 x 4</i>	<i>30</i>	<i>Single 5x</i>
PARTITION	<i>"</i>	<i>"</i>	<i>7-6</i>	<i>Flanged 11 1/2 x 3 1/2</i>	<i>36</i>	<i>"</i>
LONGITUDINAL	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>

Are the outside Plates doubled two spaces of Frames in length? *yes*
Are the Stance Valves and Watertight Doors in efficient working order? *yes*

