

Dks., R.Q.Dk.,

IRON OR STEEL STEAMER.

No. 9027

Pt. Awng. Dk.

State if Report is also sent on the Machinery of the Vessel *Yes*Received at London *MON 10 APR 1899*Date of completion of Report *6th April, 1899*Port of *Leith*Date, First Survey *14th Sept. '98*Last Survey *3rd April*

1899.

Rig *Ketch*Master *G. Histon senr.*Year of appointment (1) As master in service of
owner of present vessel:—18 99
(2) As master of this
vessel:—18 99Built at *Leith*When built 1898-99 Launched *1st March, 1899.*By whom built *Ramage & Ferguson (Lim^d)*Owners *Newhaven Trawlers (Lim^d)*Managers
(Where necessary to be entered in Reg. Book.)Residence *Newhaven*Port belonging to *Granton*

ey held at

he steel screw steam trawler "Aurora"

GE under

age Deck. } 139.77

aised Gr. } 5.82

Break... } 0.67

idge House } 12.32

ouses on Deck } 158.58

e of Hatchways } 27.86

e Crown of } 130.72

Room .. } 92.35

w Space 22.08 } 38.37

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ONE OR TWO DECKED VESSEL.

CLASS 100 A 1

FEET.

Half Breadth (moulded) 10.16^vDepth from upper part of Keel to top of Main Deck Bms. (with the normal round up of beam) 12.25^vGirth of Half Midship Frame (as per Rule) 19.54^v1st Number 41.95^v

Length on deck from after part of stem to fore part of stern post 104.

2nd Number 4362.8

Proportions—Breadths to Length 5.10^vDepths to Length—Main Deck to top of Keel 8.48^vDestined Voyage *Fishing North Sea* If Surveyed while Building, Afloat, or in Dry Dock *Building & Afloat*

| TH on Deck as | Feet. | Inches. | BREADTH— | Feet. | Inches. | DEPTH, ACTUAL— | Feet. | Inches. | No. of Decks with Flat laid |
|--|---------------|-------------|--|------------------------------|-------------------------------|---|-------|-----------------|-----------------------------|
| ule..... | 104 | — | Moulded | 20 | 4 ¹ / ₂ | Top of Floors to top of Main Deck Beams | 10 | 11 ^v | One |
| ions of Ship per Register, Length, 105.2 | breadth, 20.6 | depth, 10.9 | Moulded Depth, 11 ft. 10 ^v ins. | Round of Beam, Actual 5 ins. | | | | | |

FRAMING.

| | Inches in Ship. | Inches in Ship. | 20ths in Ship. | Inches per Rule Or as | Inches per Rule s. Appro | 20ths per Rule ved. |
|--|-------------------------------|-------------------------------|----------------|-------------------------------|-------------------------------|---------------------|
| IE, Angles, <i>L-E</i> or <i>L-B</i> Bars, for $\frac{1}{2}$ length amidships | 3 | 2 ¹ / ₂ | 5 ^v | 3 | 2 ¹ / ₂ | 5 |
| for $\frac{1}{2}$ at each end | | | | | | |
| in way of Double Bottoms at Solid Floors | | | | | | |
| " " at intermdt. Bkts. | | | | | | |
| nce of Frames from moulding edge to moulding edge, all fore and aft | 21 ^v | | | 21 | | |
| ERSED FRAME, Angles | 2 ¹ / ₂ | 2 ¹ / ₂ | 5 ^v | 2 ¹ / ₂ | 2 ¹ / ₂ | 5 |
| P-FRAMING, depth of girder | | | | | | |
| ORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships | 16 | 6 | | 16 | 6 | |
| in way of Engines and Boilers | 7x8 | | | 7x8 | | |
| thickness at the ends of vessel | 5 | | | 5 | | |
| depth at $\frac{1}{2}$ the half breadth, as per Rule .. | <i>Straight as per Plan</i> | | | | | |
| height extended at the Bilges | | | | | | |
| ORS & BRACKETS, in Coll Dble Bottoms .. | | | | | | |
| " " Distance apart | | | | | | |
| TRE GIRDER, in Double Bottom, depth and thickness | | | | | | |
| " " Angles, Top | | | | | | |
| " " " Bottom | | | | | | |
| OE GIRDERS, number on each side & thickness .. | | | | | | |
| " " Angles | | | | | | |
| RGIN PLATE, depth (exclusive of flange) and thickness | | | | | | |
| " " Angles to Outside Plating | | | | | | |
| VER BOTTOM PLATING, breadth and thickness of Middle Line Strake .. | | | | | | |
| " " thickness in Engine and Boiler space .. | | | | | | |
| " " Remainder in Holds | | | | | | |
| EAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb .. | 5 | 3 | 7 | 5 | 3 | 7 |
| " " Angles on Upper Edge | | | | | | |
| " " Average space | 42 | | | 42 | | |
| EAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb | | | | | | |
| " " Angles on Upper Edge | | | | | | |
| " " Average space | | | | | | |
| EAMS, Hold, Plate or Tee Bulb | | | | | | |
| " " Angles on Upper Edge | | | | | | |
| " " Average space | | | | | | |
| EAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb | | | | | | |
| " " Angles on Upper Edge | | | | | | |
| " " Average space | | | | | | |
| EAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle Plate, or Tee Bulb | | | | | | |
| " " Angles on Upper Edge | | | | | | |
| " " Average Space | | | | | | |
| EAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb | | | | | | |
| " " Angles on Upper Edge | | | | | | |
| " " Average space | | | | | | |
| PILLARS, In 'tween Decks, Size and Spacing .. | | | | | | |
| " " Hold | 2 ¹ / ₂ | 42 | | 2 ¹ / ₂ | 42 | |
| " " Quarter, 'tween Dks., " " .. | | | | | | |
| " " " in Hold | | | | | | |
| WEB FRAMES, In Fore Body, No. and Spacing .. | | | | | | |
| " " " Brdth. & Thickness .. | | | | | | |
| " " No. of Side Stringers .. | | | | | | |
| WEB FRAMES, In E. & B. Space, No. & Spacing .. | | | | | | |
| " " " Brdth. & Thickness .. | | | | | | |
| WEB FRAMES, In After Body, No. and Spacing .. | | | | | | |
| " " " Brdth. & Thickness .. | | | | | | |
| " " No. of Side Stringers .. | | | | | | |
| " " Size of Angles or Tee Bars to Web Frames | | | | | | |
| BRACKET PLATES to Stringers between Web Frames, Depth and Thickness | | | | | | |

FORGINGS AND CASTINGS.

| | Inches in Ship. | Inches per Rule Or as Approved. |
|--|---|---|
| KEEL, Bar or Side Plates depth and thickness | 6 ³ / ₄ x 1 ¹ / ₄ | 6 ³ / ₄ x 1 ¹ / ₄ |
| STEM, moulding and thickness | 6 x 1 ¹ / ₄ | 6 x 1 ¹ / ₄ |
| STERN-POST for Rudder do. do. | 6 x 2 ¹ / ₂ | 6 x 2 ¹ / ₂ |
| " " for Propeller | 3 ³ / ₄ | 3 ³ / ₄ |
| MAIN PIECE of Rudder, diameter at head .. | 3 x 2 ¹ / ₂ | 2 ¹ / ₂ x 2 ¹ / ₄ |
| do. at heel | | |

RUDDER, how constructed *Ordinary way*
Can the Rudder be unshipped afloat? *Yes*

KEELSONS AND STRINGERS.

| | Inches in Ship. | Inches in Ship. | 20ths in Ship. | Inches per Rule Or as | Inches per Rule s. Appro | 20ths per Rule ved. |
|---|-----------------|-----------------|--------------------------------|-----------------------|--------------------------|--------------------------------|
| CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate .. | 6 | 3 | 9 ^v / ₁₆ | 6 | 3 | 9 ^v / ₁₆ |
| " " Bulb Plate .. <i>Bulb. Angles</i> | | | | | | |
| " " Bulb Plate to Intercoastal Keelson | | | | | | |
| " " Horizontal Plates on Floors | | | | | | |
| " " Angles | | | | | | |
| SIDE KEELSON, Angles | | | | | | |
| " " Bulb or Plate above floors for length .. | | | | | | |
| " " Intercoastal Plate for length .. | | | | | | |
| " " Attached to outside plating with Angle .. | | | | | | |
| BILGE KEELSON, Angles | | | | | | |
| " " Bulb or Plate above floors for length .. | | | | | | |
| " " Intercoastal Plate for length .. | | | | | | |
| " " Attached to outside plating with Angle .. | | | | | | |
| BILGE STRINGER Angles | 5 | 4 | 10 | 5 | 4 | 10 |
| " " Bulb Plate for length .. | | | | | | |
| " " Intercoastal Plate for length .. | | | | | | |
| " " Attached to outside plating with Angle .. | | | | | | |
| SIDE STRINGER Angles | 5 | 4 | 10 | 5 | 4 | 10 |
| " " Bulb or Intercoastal Plate for length .. | | | | | | |
| " " Attached to outside plating with Angle .. | | | | | | |
| Main and Raised Quarter Deck Stringer Plate, breadth and thickness | 33 | 6 | | 33 | 6 | |
| " " Angle on ditto | 3 x 3 x | 6 | | 3 x 3 x | 6 | |
| " " Tie Plates fore & aft, outside Hatchways .. | 7 | 6 | | 7 | 6 | |
| " " Diagonal Tie Plates on Bms., No. of Pairs .. | | | | | | |
| " " Main Dk* Iron or Steel for length .. | | | | | | |
| " " R. Q. Dk* Iron or Steel for length .. | | | | | | |
| " " Wood Deck, Material & thickness <i>P. Pine</i> .. | 3 | | | 3 | | |
| 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 .. | | | | | | |
| " " Angle on ditto | | | | | | |
| " " Tie Plates | | | | | | |
| " " Deck, Material and thickness | | | | | | |
| Forecastle Deck Stringer Plate, brdth & thcknss .. | | | | | | |
| " " Angle on ditto | | | | | | |
| " " Tie Plates | | | | | | |
| " " Deck, Material and thickness | | | | | | |

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

| BULKHEADS. | Number. | | Thickness. | STIFFENERS. | | | | Single or Double Frames. | Height up. |
|-----------------|------------|-----------|------------|---------------|-----------------|---------------|-----------------|--------------------------|------------|
| | In Vessel. | Per Rule. | | Horizontal. | | Vertical. | | | |
| | | | | Size. Inches. | Spacing Inches. | Size. Inches. | Spacing Inches. | | |
| W.T. BULKHEADS | 3 | 3 | 5 | 3x2½x516 | 48 | 3x2½x516 | 30 | Bulb 1/4" x 1/4" | |
| PARTITION " | | | | | | | | | |
| LONGITUDINAL .. | | | | | | | | | |

Are the outside Plates doubled two spaces of Frames in length? *Yes*Are the Sluice Valves and Watertight Doors in efficient working order? *Not any*

PLATING. STRAKES. AS IN SHIP. FORWARD. AFT. PER RULE OR AS APPROVED. RIVETING. EDGES. BUTTS. DOUBLE OR TREBLE AND FOR WHAT LENGTH. RIVETS. STRAPS. IF LAPPED. Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? 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. 23, par 24)? Have all the gntterways been tested as required by the Rules (Sec. 23, par. 25)? General Remarks (State quality of workmanship, &c.)

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) 1898: 14th July, 5th Aug., 16th Sept. Workmanship. Are the butts of plating planed or otherwise fitted? Is the riveted work properly closed? Are the liners between the frames and plates solid single pieces? Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? 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. 23, par 24)? Have all the gntterways been tested as required by the Rules (Sec. 23, par. 25)? General Remarks (State quality of workmanship, &c.)