

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

IRON OR STEEL STEAMER.

No. 1496

State if Report is also sent on the Machinery of the Vessel *See coils only* Received at London Office
Date of completion of Report *11th January 1911* Port of *Barrow in Furness*
Date of First Survey *July 5th 1907* Last Survey *December 22nd 1910*
Right handed schooner fore & aft

Survey held at *Maryport*
On the *Steel Screw Steamer "ENDCLIFFE"*

TONNAGE under Deck... *252.83*
Do. of Poop *36.74*
Do. of Raised Qr. *10.12*
Do. of Bridge House *18.63*
Do. of Forecastle *5.04*
Do. of Houses on Deck *19.54*
Do. of excess of Hatchways *25.52*
Do. above Crown of Engine Room *25.52*
Gross Tonnage *268.42*
Less Crew Space *35.20*
Less above Crown of Engine Room *25.52*
TONNAGE FOR FEES *307.70*
Less Engine Room *207.32*
Less Navigation Spaces *36.2*
Section 79 *26.49*
Register Tonnage as cut on Beam *99.41*

ONE OR TWO DECKED VESSEL.
CLASS *100A1*

Half Breadth (moulded) *12' 5"*
Depth from upper part of Keel to top of Main Deck Bms. *11' 9.37'*
Girth of Half Midship Frame (as per Rule) *22' 32'*
1st Number *46.75*
Length on deck from after part of stem to fore part of stern post *134' 0"*
2nd Number *6264.5*
Proportions—Breadths to Length *5.36*
Depths to Length—Main Deck to top of Keel *11.24*
Destined Voyage *Glasgow for machinery* If Surveyed while Building, Afloat, or in Dry Dock *Building afloat*

Master

Year of appointment *(1) As master in service of owner of present vessel: 19
(2) As master of this vessel: 19*

Built at *Maryport*

When built *1910* Launched *19th Oct 1910*

By whom built *W. Walker*

Owners *S. W. Ward Ltd*

Managers

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

Residence *Sheffield*

Port belonging to *Liverpool*

LENGTH on Deck as per Rule *134' 0"* Breadth *25' 0"* DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams *16' 6"* No. of Decks with Flat laid *one*
Moulded Depth *11' 5"* No. of Tiers of Beams *one*
Dimensions of Ship per Register, Length, *135.2* breadth, *25.1* depth, *10.3* Moulded Depth, *11* ft. *5* ins. Round of Beam, Actual *6 1/4* ins.

FRAMING.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths per Rule Or as Approved.
FRAME, Angles, <i>7</i> , <i>E</i> or <i>L</i> Bars, for $\frac{1}{2}$ length amidships		4	3	9	4	3	9
Do. for $\frac{1}{2}$ at each end		4	3	8	4	3	8
Do. in way of Double Bottoms at Solid Floors							
Spacing of Frames from centre to centre			21			21	
REVERSED FRAME, Angles <i>ON FLOORS</i>		2 1/2	2 1/2	5	2 1/2	2 1/2	5
DEEP FRAMING, depth of girder							
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships		17		6	17		6
" in way of Engines and Boilers				7.8		7.8	
" thickness at the ends of vessel				5			6
" depth at $\frac{1}{2}$ the half breadth, as per Rule							
" height extended at the Bilges							
FLOORS & BRACKETS, in <i>DOUBLE BOTTOMS</i>							
" state if flanged (top & bottom)							
" Spacing							
CENTRE GIRDER, in <i>Double Bottom</i> , depth and thickness							
" Angles, Top							
" Bottom							
SIDE GIRDERS, number on each side & thickness							
" state if flanged (top & bottom)							
" Angles							
MARGIN PLATE, depth (exclusive of flange) and thickness							
" Angles to Outside Plating							
" Floors							
" Height of Floors at the Bilges							
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake							
" thickness in Engine and Boiler space							
" Remainder in Holds		5	3	6	5	3	6
EAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							
" Angles on Upper Edge							
" Spacing			21			21	
EAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb		4	2 1/2	6	4	2 1/2	6
" Angles on Upper Edge							
" Spacing			21			21	
EAMS, Hold, Plate or Tee Bulb							
" Angles on Upper Edge							
" Spacing							
EAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb							
" Angles on Upper Edge							
" Spacing							
EAMS, Bridge or Pt. Awng Deck, Angle, Bulb Angle, Plate or Tee Bulb		4	3	8	4	3	8
" Angles on Upper Edge							
" Spacing			42			42	
EAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb		5	3	7	5	3	7
" Angles on Upper Edge							
" Spacing			42			42	
CLARS, In 'tween Decks, Size and Spacing							
" Hold							
" Quarter, 'tween Dks.							
" in Hold							
WEB FRAMES, In Fore Body, No. and Spacing							
" Brdth. & Thickness		14		6	14		6
" 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		2 1/2	2 1/2	5	2 1/2	2 1/2	5
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness							

FORGINGS AND CASTINGS.

KEEL, Bar or Side Plates depth and thickness *6 1/4 x 1 1/2*
STEM, moulding and thickness *6 1/4 x 3*
STERN-POST for Rudder do. do. *6 1/4 x 3*
" for Propeller *6 1/4 x 3*
MAIN PIECE of Rudder, diameter at head *4*
do. at heel *3*

RUDDER, how constructed *Single Plate*
Can the Rudder be unshipped afloat? *Yes*

KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plates above *6*
" Through Plate, or Intercoastal Plate *6*
" Bulb *7 3*
" Horizontal Plates on Floors *3 3*
" Angles *5 3*
SIDE KEELSON, Angles *5 3*
" Bulb or Plate above floors for *16 6 70* length *5*
" Intercoastal Plate for *16 6 70* length *5*
" Attached to outside plating with Angle *2 1/2 2 1/2 5 2 1/2 2 1/2 5*
BILGE KEELSON, Angles *5 3*
" Bulb or Plate above floors for *20 6 65* length *5*
" Intercoastal Plate for *20 6 65* length *5*
" Attached to outside plating with Angle *2 1/2 2 1/2 5 2 1/2 2 1/2 5*
BILGE STRINGER Angles *5 3*
" Bulb Plate for *5 6 30* length *6*
" Intercoastal Plate for *5 6 30* length *6*
" Attached to outside plating with Angle *2 1/2 2 1/2 5 2 1/2 2 1/2 5*
SIDE STRINGER Angles *5 3*
" Bulb or Intercoastal Plate for *6 30* lng. *6*
" Attached to outside plating with Angle *2 1/2 2 1/2 5 2 1/2 2 1/2 5*

Main and Raised Quarter Deck Stringer Plate, breadth and thickness *MD 60 8- RQD 63 8*
" Angle on ditto *3 x 3 x 6 3 x 3 x 6*
" Tie Plates, outside Hatchways *6*
" Diagonal Tie Plates on Bms., No. of Pairs *6*
" Main Dk* Iron or Steel for *3/4* lng. *6.5*
" R. Q. Dk* Iron or Steel for *WHOLE* lng. *6.5*
" Wood Deck, Material & thickness *6*
Lower Deck Stringer Plate, breadth and thickness *6*
" Angles on ditto, No. *3 x 3 x 7 3 x 3 x 6*
" Tie Plates, outside Hatchways *5*
" Deck* Material and thickness *STEEL*
Hold Stringer Plate *5*
" Angles on ditto, No. *5*
Poop Deck Stringer Plate, breadth & thickness *5*
" Angle on ditto *5*
" Tie Plates *5*
" Deck, Material and thickness *5*
Bridge or Pt. Awng Deck Stringer Plate, breadth and thickness *16 6 16 6*
" Angle on ditto *3 x 3 x 6 3 x 3 x 6*
" Tie Plates *7 6 7 6*
" Deck, Material and thickness *PITCH PINE 5 x 3 5 x 2 1/2*
Forecastle Deck Stringer Plate, brdth & thcknss *16 6 16 6*
" Angle on ditto *3 x 3 x 6 3 x 3 x 6*
" Tie Plates *4.8 5 3.9 5*
" Deck, Material and thickness *PITCH PINE 5 x 3 5 x 3*

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.
BULKHEADS. Number. Thickness. Horizontal. Vertical. Single or Double Frames. Height up.
In Vessel. Per Rule. Inches. Inches. Inches. Inches.
W.T. BULKHEADS *3 3 5 4.8 3 x 3 x 4.8 30 10 10*
PARTITION *1 5 7 2 x 3 x 7/16*
LONGITUDINAL,,
Are the outside Plates doubled two spaces of Frames in length? *See brackets to side stringers*
Are the Sluice Valves and Watertight Doors in efficient working order? *None*

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. Riveting. BUTTS. IF LAPPED. Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c.: *Anglo Siam Co. Ltd. Plates Bolckow, San Francisco, Consitt Iron Co. Ltd.*

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) 1906 (M) 24 March 2nd April 1907 19th August 1910 (E) 9th August 1910 7th September 1910. Workmanship. Are the butts of plating planed or otherwise fitted? *Planed*. Is the riveted work properly closed? *Yes*. Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes*. Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? *Yes*. Do any rivets break into or through the seams or butts of the plating? *No*. Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes*. Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par 24)? *Yes*. State results of tests *Satisfactory*. Have all the gutterways been tested as required by the Rules (Sec. 23, par 25)? *Yes*. State results of tests *Satisfactory*. General Remarks (State quality of workmanship, &c.) *This vessel has been built in accordance with the Secretary's letter of the above men times dates, the approved Plans, and in other respects in accordance with the Rules and the workmanship is good. She was launched on the 19th October 1910 and proceeded to Glasgow in tow on the 2nd of January 1911 where the machinery is to be fitted. To complete the Survey the engine and boiler casings require to be riveted up after the machinery is shipped and the rudder stops examined and true. The Glasgow Secretary has been advised.*