

MDB 759-0199 (1/2)

3 Decks.

IRON OR STEEL STEAMER.

State if Report is also sent on the Machinery of the Vessel *Yes* *W. H. P. 10595*

No. *2406*

Date of completion of report *30 August 98*

Port of *MIDDLESBROUGH-ON-TEES* Received at London Office

THUR, 1 SEP 1898

Survey held at *Middlesbrough*

Date, First Survey *23rd August 1897* Last Survey *25th August 1898*

On the *Albertville* (ex "Eboe") Rig *Sc*

TONNAGE under Tonnage Deck... *2842.58*

THREE DECKED VESSEL.

Master *H. J. Tabbs*

Year of appointment *(1) As Master in service of owner of present vessel: 1898 (2) As Master of this vessel: 1898*

Do. between Tonnage Dk. and 3rd and 4th Dk. *686.96*

Half Breadth (moulded) *21.90*

Total under Upper Dk. *3805.13*

Depth from upper part of Keel to top of Upper Deck Beams *26.91*

Do. of Bridge House *57.08*

Girth of Half Midship Frame (as per Rule) *45.12*

Do. of Forecastle *255.07*

Do. of Houses on Dk. *2.44*

Do. of excess of Hatchways *3.44*

Do. above Crown of Engine Room *3805.13*

Gross Tonnage *3805.13*

Less Crew Space *135.34*

Less above Crown of Engine Room *3069.79*

TONNAGE FOR FEES *3069.79*

Less Engine Room *1217.64*

Less Navigation Spaces *35.52*

Register Tonnage *2416.63*

1st Number *86.93*

Length *349.66*

2nd Number *30395*

Proportions—Breadth to Length *7.98*

Depth to Length—Upper Deck to top of Keel *12.99*

Main Deck ditto *19.61*

Destined Voyage *Rotterdam* If Surveyed while Building, Afloat, or in Dry Dock *Yes*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH top of Floors to Upper Deck Beams	Feet.	Inches.	Power of Engines	Horse.	No. of Decks with flat laid	No. of Tiers of Beams	Round up of Beam, Upper Dk.	To Upper Dk.
<i>349</i>	<i>8</i>	<i>8</i>	<i>43</i>	<i>9</i>	<i>5</i>	<i>23</i>	<i>5</i>	<i>4</i>	<i>14</i>	<i>4</i>	<i>2</i>	<i>2</i>	<i>11</i>	<i>ins.</i>

FRAMING.				FORGINGS or CASTINGS.				Inches in Ship.				Inches per Rule.			

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	Rivets.	Double or Treble and for what Length.	Rivets.	Diam.	Spacing or to cr.	Breadth.	Thick-ness.	Breadth.	Length.	For what Length.	Feet.
	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.													
FLAT PLATE KEEL.....	36	20	15	15	36	20	Double	6	1	4	Y.R. all	1	3 1/2	19	24	-	-	-	-
(If Bar Keel, state Riveting)	46	15	12	12	46	15	"	6	1	4	"	1	3 1/2	-	-	10 1/2	Full	-	-
GARBOARD OR A Strake																			
State actual thickness in way of Double Bottom.	B	11	9-12	9-14	11	"	"	5 1/4	7/8	3 1/2	"	7/8	3 1/2	-	-	9	"	-	-
C	11	9	10-14	11	"	"	"	"	"	"	"	"	"	-	-	"	"	-	-
D	11	9	10-14	11	"	"	"	"	"	"	"	"	"	-	-	"	"	-	-
E	12	9	9-14	12	"	"	"	"	"	"	"	"	"	-	-	"	"	-	-
F	12	9	9-14	12	"	"	"	"	"	"	"	"	"	-	-	"	"	-	-
G	12	9	9	12	"	"	"	"	"	"	"	"	"	-	-	"	"	-	-
H	12	9	9	12	"	"	"	"	"	"	"	"	"	-	-	"	"	-	-
J	12	9	10	12	"	"	"	"	"	"	"	"	"	-	-	"	"	-	-
K	12	9	9	12	"	"	"	"	"	"	"	"	"	-	-	"	"	-	-
L	14	9	9	14	"	"	"	"	"	"	"	"	"	-	-	"	"	-	-
Sheer M	44	15	10	10	44	15	"	6	1	4	"	1	3 1/2	19	10-9	10 1/2	Full	-	-
Prop. & Bridge Sides	8	-	7	-	8	-	"	4 1/2	3/4	3	Stk	3/4	2 1/2	9 1/4	8	-	-	-	-
O	9	-	7	-	9	-	"	4 1/2	"	"	"	"	"	-	-	9	-	-	-
P																			
Q																			
R																			

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, Plating, &c.: *Siemens process*
Boleknow, Cousett, Dorman, Lanarkshire.
Moor, Gockton Malleable
Iron plates J. Hill & Co.

FRAMES extend in one length from *margin plate to upper dk, poop & fore-castle*
 REVERSED FRAMES on floors and frames extend from *margin plate to upper deck & alternately to fore-castle dk.*
Double in E & B space

MASTS, SPARS, &c.

LOWER MASTS.	Fore	Main	Mizzen	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
				Material.	Total Length.	At Partners.	Heel.		Number.	Size.	Seams.	Butts.
				Steel	87 ft	23 x 7/2	17 x 1/2	18 x 1/2	2	✓	Single	Double & 2 1/2
				"	78 ft	20	20	20	2	✓	Do	Do

Boomsprit
 Topmast, Yards and Remainder of Spars *Pitch pine*
 Rigging, Material and Size, Shrouds *Steel wire 3/4"*
 Sails. *one* Suit of *fine & aft* Stays *3/4"*
 Sails, and the following spare sails *1 fore stay sail & 1 fore top sail*

EQUIPMENT No. 36127 LETTER W

Number of Certificate.	Anchors.	WEIGHT, EX STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQ. BY RULE.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Tons.			
32960	1st Bower	50	1	-	50	42	10	2	14	50	Hartthorne	Hartthorne Sund 24/2/98
32962	2nd "	49	2	-	50	42	1	-	50	50	Do	25/2/98
32964	3rd "	42	3	-	50	37	13	0	-	42	Do	20
	Collective weight	142	2	-		142	2	-		142	Do	22/2/98
32987	Stream	12	-	14	3	7	13	19	2	21	Rodgers	Do 20/4/98
33265	Kedge	6	-	7	1	2	7	8	7	6	Do	Do 15/12/97
32635	2nd Kedge	3	-	-	3	5	10	-	-	-	Do	Do

CHAIN CABLES.

CHAIN CABLES.															
Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Test of Steel Wire Towline.	Size Per Rule.	
				Supplied.	Per Rule.										
13400	240 1/2	2 1/2	76-5	54-2	54-2	270-2 1/2	Steel	Hartthorne	Sund 21/4/98	TOWLINE	Steel	120	4 1/2	39	120-4 1/2
7741	30	2 1/2	107-1	65-2	10	270-2 1/2	Steel	Do	L. Walker 31/7/97	HAWSE	"	90	4	33	90-3 1/2
	270 1/2			580-0-10	574-2	207-270 1/2		Malford & Co.		WARP	"	90	3 1/2	22	90-3
13084	90	1 1/2	38	65-1-0	65-0-16	90-1 1/2	Steel	Do	J. Dale Sund. 22/4/98	" Manila	"	90	7 1/2	-	-
Iron Stream Chain as Steel Wire			25 1/2							"	"	570	6	-	-

Boats *3 life boats, 1 gig - 2 surf boats*
 Pumps, Number *10*
 Windlass is *Steam Clark Chapman*
 Engine Room Skylights—How constructed? *Leak on casing above poop deck.*
 What arrangements for deadlights in bad weather? *Bulls eyes*
 Coal Bunker Openings—How constructed? *Staked thru ship side*
 Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Scuppers *3 pr. 2 Ports 2 pr. 36 x 24*
 Ceiling in Holds, thickness and material *2 1/2 pine*
 Cargo Hatchways—How formed? *Plates & angles*
 State size No. 1 Hatch (Forward) *16 x 12* No. 2 Hatch *20 x 14* No. 3 Hatch *16 x 14* No. 4 Hatch *16 x 12*
 Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *one web & 3 fore & afters*
 No. of Breasthooks *nine*
 Bulwarks, height above deck and description *4-8 Steel plates & stays*
 The above is a correct description
 Builder's Signature (there only) *W. H. Cooper*
 Director

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)

M 1896-17/12-1897-13/5-26/5-21/5-4/6-8/7-22/7-12/8-30/8-3/6/98

6.31/8/97

Workmanship. Are the butts of plating planed or otherwise fitted? *planed*

Is the riveted work properly closed? *yes*

Are the liners between the frames and plates solid single pieces? *yes*

to plate, &c., conform well to each other? *yes*

from the faying surfaces? *yes*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *yes*

General Remarks (State quality of workmanship, &c.) *Workmanship good*

This vessel has been built in accordance with the approved plans, the Secretary's letters of the above dates, & in general conformity to the Rules for the Class contemplated.

The peak butts, tunnel & decks, have been tested as required, & the H. T. doors examined & found in order.

List of plans—Midship section, Profile, strengthening at 8 x B openings (4 plans), pumping arrangements—1 Forging Report, 1 Report on cast steel quadrant.

This vessel was first named "Elbow" No. 58 in the Reg. Bk.

Sister vessel "Brusselsville" Mds. Report No. 2301

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop and Aft, R.Q.D. or Break *44 ft.*, Bridge Dk. *24 ft.*, F'castle *44 ft.* (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *The poop & bridge are joined*

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 as it should appear in the Register Book) *2 Sts (1 ft. stl x 11 ft. - 11 ft.) & deep framing*

Official No. _____; Signal Letters _____

How are the surfaces preserved from oxidation? Inside *cement & paint*

Outside *paint*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system *yes*

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
Double bottom, aft,	80	143	Fore peak tank,		
Double bottom, forward,	144	319	After peak tank,		
Double bottom, under Engines and Boilers,			Midship deep tank,		
Double bottom, if under Engines only,	34	93	Other tanks, if fitted,		
Double bottom, if under Boilers only,	Total 258	555	(If necessary, furnish further information by sketch.)		

State whether the above have been tested as required by the Rules *yes*

Order for Special Survey No. <i>354</i>	1st. On the several parts of the frame, when in place, and before the plating was wrought	<i>1897 Aug 23 30 Sept 10 12 21 29 Oct 1 6 8 12 14 17 20 25</i>
Date <i>26 July 1897</i>	2nd. On the plating during the process of riveting	<i>Nov 1 9 11 15 25 Dec 2 7 12 15 20 22 24 1897 Jan 5 11 20 25</i>
Order for Ordinary Survey No. _____	3rd. When the beams were in and fastened, and before the decks were laid	<i>Feb 27 17 25 Mar 9 15 17 22 30 Apr 2 9 15 18 22 25 26 27 May</i>
Date _____	4th. When the ship was complete, and before the plating was finally coated or cemented	<i>5 11 19 23 June 10 27 July 5 11 19 27 Aug 3 12 23 26 31</i>
No. <i>449</i> in builder's yard.	5th. After the ship was launched and equipped	Total No. of Visits <i>65</i>

The amount of Entry Fee *£ 5:0:0*
 Special Survey Fee *£ 116:5:0*
 Travelling Expenses, if any *£ 121:5:0*

Fees applied for,
 Received by me,
 £ 1. 8. 18 98
 £ 1. 5. 18 98

Certificate to be sent to

I am of opinion this Vessel should be Classed *100A1 Steel*
 With, or without Freeboard, as condition of Class *✓*

W. H. Cooper

Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRI. 2 SEP 1898

Character assigned

100A1 steel
+ 2 mcs 8, 98

2 Sts (1 ft. stl x 11 ft. - 11 ft.) & deep framing

Rec. light