Now Mademoiselle Elmere

1 ~~of 2~~ Dks., R.Q.Dk.,
~~and Pt. Awng. Dk.~~

~~IRON OR~~ STEEL STEAMER.

No. 117127.

RECEIVED at London Office JULS. 11 OCT. 1904

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

Date of completion of Report 10th October 1904. Port of Newcastle on Tyne

Survey held at Blyth Date, First Survey 1st April 1904 Last Survey 29th September 1904

On the S.S. "GRASMERE" Rig Schooner

ONE ~~OR TWO~~ DECKED VESSEL.

CLASS ~~+~~ 100 A.1.

Master W. S. Dobbing

Year of appointment (1) As master in service of owner of present vessel:—19 04 (2) As master of this vessel 19 04

Built at Blyth

When built 1904 Launched 8th September 1904

By whom built Blyth Shipbuilding Co. Ltd.

Owners Grasmere S.S. Co Ltd.

Managers J. W. Falconer & D. Ross.
(Where necessary to be entered in Reg. Book).

Residence Newcastle

Port belonging to Newcastle

Destined Voyage Seaham Harbour. If Surveyed while Building, Afloat, or in Dry Dock Building

RETAIN

		Feet.
TONNAGE under Tonnage Deck	432·81	
Do. of Poop	—	
Do. of Raised Qr. Dk.	65·09	
Do. of Bridge House	13·53	
Do. of Forecastle	19·14	
Do. of Houses on Deck	8·63	
Do. of excess of Hatchways	32·51	
Do. above Crown of Engine Room	27·74	
Gross Tonnage	599·45	
Less Crew Space	26·40	
Do. above Crown of Engine Room	27·74	
TONNAGE FOR FEES	545·31	
Do. Engine Room	279·53	
Do. Navigation Spaces	13·34	
Do. Light & Air Space	27·74	
Register Tonnage	280·18	
Do. cut on Beam		

LENGTH on Deck as per Rule	Feet. 178	Inches. 11	BREADTH— Moulded	Feet. 26	Inches. 4½	DEPTH, ACTUAL— Top of Floors to top of Main Deck Beams	Feet. 11	Inches. 7½

No. of Decks with Flat laid one
No. of Tiers of Beams one.

Dimensions of Ship per Register, Length, 178·0 breadth, 26·5 depth, 11·6 . Moulded Depth, 13 ft. 9 ins. Round of Beam, Actual 6½ 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 Approved.
NAME, Bars, IN HOLDS	5½"	3	9 4 8	5½	3	9 4 8
ANGLES IN E. & B. SPACE	3½	3	6 4 5	3½	3	6 4 5
Do. ANGLES, IN PEAKS	5	3	7	5	3	7
Do. in way of Double Bottoms at Solid Floors	3	3	6	3	3	6
,, ,, at intermdt. Bkts.	3½	3	6	3½	3	6
Spacing of Frames from centre to centre	22			22		
REVERSED FRAME, Angles IN. E. & B. SPACE.	3	2½	5	3	2½	5
DEEP FRAMING, depth of girder	~~5½ Bulb Angle~~			~~5½ Bulb Angle~~		
DOORS, depth and thickness of Floor Plate						
,, in way of Engines & Boilers	15	×	7	15	×	7
,, thickness at the ends of vessel	15	×	8	15	×	8
,, depth at ¾ the half breadth, as per Rule	11		6 4 5			6 4 5
,, height extended at the Bilges	30			30		
DOORS & BRACKETS, in Cell Dble Bottoms	32	×	6	32	×	6
,, ,, state if flanged (top & bottom)		~~No~~				
,, ,, Spacing	~~44~~			~~44~~		
CENTRE GIRDER, in Double Bottom, depth and thickness	32	×	8	32	×	8
,, ,, Angles, Top	3½	3½	7	3½	3½	7
,, ,, ,, Bottom	3½	3½	6	3½	3½	6
SIDE GIRDERS, number on each side & thickness	2		6	2		6
,, state if flanged (top & bottom)		~~No~~				
,, Angles	3	2½	6	3	2½	6
MARGIN PLATE, depth (exclusive of flange) and thickness	20		6	20		6
,, Angles to Outside Plating	3	3	7	3	3	7
,, ,, Floors	3	2½	6	3	2½	6
,, Height of Floors at the Bilges	32			32		
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	48		7 4 6	48		7 4 6
,, ,, ,, Remainder in Holds	48		6	48		6
ANGLES, Main and Raised Quarter Deck, Single Angle,	5	3	6	5	3	6
,, Spacing	22			22		
ANGLES, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						
,, Angles on Upper Edge						
,, Spacing						
ANGLES, Hold, Plate or Tee Bulb						
,, Angles on Upper Edge						
,, Spacing						
ANGLES, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						
,, Angles on Upper Edge						
,, Spacing						
ANGLES, Bridge Angle,	5	3	6	5	3	6
,, Spacing	44			44		
ANGLES, Forecastle Deck, Angle,	5½	3	8	5½	3	8
,, Spacing	44			44		
STANCHIONS, Size and Spacing						
,, ,, IN Hold. MAIN DECK ,, ,,	2⅝		44	2⅝		44
,, Quarter DK ,, ,,						
,, in Hold ,, ,,	3		44	3		44
DEEP BRACKETS IN LIEU OF PILLARS, In Fore Body, No. and Spacing	7 as per Profile as per Section 6.			7		
,, ,, ,, Brdth. & Thickness						6
,, No. of Side Stringers ,, ,,	2			2		
WEB FRAMES, In E. & B. Space, No. & Spacing	2	7 spaces		2	7 spaces	
,, ,, ,, Brdth. & Thickness	15		6	15		6
WEB FRAMES, In After Body, No. and Spacing						
,, ,, ,, Brdth. & Thickness						
,, No. of Side Stringers ,, ,,						
,, Size of Angle to Web Frames	5	3	7	5	3	7
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness						

FORGINGS AND CASTINGS.	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Plates deep and thickness	32 × 1⅜ to 9/20	32 × 1⅜ to 9/20
STEM, moulding and thickness	6½ × 1⅜ to 6 × 1½	6½ × 1⅜ to 6 × 1½
STERN-POST for Rudder do. do.	6½ × 3¼	6½ × 3¼
,, for Propeller	" 4½ "	" 4½ "
MAIN PIECE of Rudder, diameter at head	4½	4½
do. at heel	3½	3½

RUDDER, how constructed Forged. Single plate 13/20

Can the Rudder be unshipped afloat? yes.

KEELSONS AND STRINGERS.	Inches in Ship.	Inches in Ship	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	20ths per Rule Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, Intercostal Plate	12	×	7	12	×	7
,, Rider Plate			6 7			6 7
,, Bulb Plate to Intercostal Keelson						
,, Horizontal Plates on Floors						
BILGE Angles	4	3	6	4	3	6
KEELSON, Angles	4½	3	6	4½	3	6
,, Bulb above floors for 3/5 lng.	6½		6	6½		6
,, Intercostal Plate for length						
,, Attached to outside plating with Angle						
SIDE KEELSON, Angle WASH. PLATE						
,, Bulb Plate above floors for lng.						
,, Intercostal Plate for ½ length			5			5
,, Attached to outside plating with Angle						
BILGE STRINGER, Angles						
,, Bulb Plate for length						
,, Intercostal Plate for length						
,, Attached to outside plating with Angle						
2 SIDE STRINGER, Angles	5	3	7	5	3	7
,, Bulb Intercostal Plate for lng.			6			6
,, Attached to outside plating with Angle	3	3	6	3	3½	6
IN E. & B. SPACE	3	2½	5	3	2½	5
Main and Raised Quarter Deck Stringer Plate, breadth and thickness	60		10	60		10
,, Angle on ditto	4½ × 4½		10	4½ × 4½		10
,, Tie Plates, outside Hatchways						
,, Diagonal Tie Plates on Bms., No. of Pairs						
,, Main Dk* Steel for whole lng.			6			6
,, R. Q. Dk* Steel for lng.	8 AND		6	8 AND		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 Stringer Plate, breadth and thickness	19		6	19		6
,, Angle on ditto	3 × 3		6	3 × 3		6
,, Tie Plates	7		6	7		6
,, Deck, Material and thickness Wood	5		2½	5		2½
Forecastle Deck Stringer Plate, brdth & thicknss	16½		5	16½		5
,, Angle on ditto	3 × 3		6	3 × 3		6
,, ~~Tie Plates~~ plate shown			5			5
,, Deck, Material and thickness Wood Sheathed			3			3

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

BULKHEADS.	Number. In Vessel.	Number. Per Rule.	Thickness. 20ths.	STIFFENERS. Horizontal. Size. Inches.	Horizontal. Spacing Inches.	Vertical. Size. Inches.	Vertical. Spacing Inches.	Single or Double Frames.	Height up.
W.T. BULKHEADS	3	3	6 5	3½ × 3 × 6	48	3½ × 3 × 6	30	Single	MAIN & R.Q.D.
PARTITION ,,	1	—	5					Single	R.Q.D.
LONGITUDINAL ,,	—	—	—	—	—	—	—	—	—

Are the outside Plates doubled two spaces of Frames in length? as per Rules

Are the Sluice Valves and Watertight Doors in efficient working order? yes.

Rpt. 1A. 1000-10/03.

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STRAKES.	PLATING. As in Ship. Amidship. Breadth. (Inches)	Amidship. Thickness. (20ths)	Forward. Thickness.	Aft. Thickness.	Per Rule or as approved. Amidship. Breadth.	Thickness.	RIVETING. Edges. Single or Double.	Breadth of Lap.	Rivets. Diam.	Spacing cr. to cr.	Butts. Treble or ½ Length.	Rivets. Diam.	Spacing cr. to cr.	Straps. Breadth.	Thickness.	If Lapped. Breadth.	For what Length.
Flat Plate Keel ~~(If Bar Keel, state Riveting)~~	32	12	9	9	32	12	Double	5¼	7/8	4"	Treble ½ L.	7/8	3⅞			9"	full
Garboard or A Strake	44	9	8	8	32	9	"	4½	¾	3⅞	"	¾	2⅝			7½"	½ L.
B	54	7	6	6	54	7	"	"	"	"	"	"	"			"	"
C	46	9	7	7	46	9	"	"	"	"	"	"	"			"	"
D	52	8	6	6	54	8	Double & Single	4½ & 2½	"	"	"	"	"			"	"
E	44	8	7	7	46	8	Single	2½	"	"	"	"	"			"	"
F	51	7	6	6	54	7	Single & Double	2½ & 4½	"	"	"	"	"			"	"
SHEER G	33	12	8	8	33	12					"	7/8	3⅞			9"	"
H																	
J																	
K																	
L																	
M																	
N																	
O																	
P																	
Doubling of Flat Plate Keel		—															
Length and thickness of Bilges		—															
of Sheerstrakes	Doubled at Break for 14 spaces					7/20											
of Strake below		—															
Poop Sides		—															
Raised Quarter Dk. Sides		7	✓	6		7											
Bridge Sides		5				5											
Forecastle Sides				5		5											
Lengths of Plating		8 spaces			—												

Write 'Sheer Strake' opposite its corresponding letter. *State actual thickness in way of Double Bottom.*

Manufacturer's name or trade mark of the [redacted] Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c.? Siemens Martin Steel
Plates; South Durham Steel & Iron Co. Ld. Consett Iron Co. Ld.
Bars; Consett Iron Co. Ld. & Palmers Iron Co. Ld.
Has the Steel been tested as required by the Rules Yes

Main Stringer Plate { **Butts,** treble riveted for ½ length amidship. [redacted] overlapped for full length amidship
Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? double
Inner Bottom Plating, riveting of **Edges** centre strake, others double, single **Butts** centre strake, others double, single
Centre Girder Butts, treble riveted. **Keelson Butts,** treble riveted.
Frames, riveted through Plates with ¾ in. Rivets, about 5¼" apart.
Rivets, state whether of Iron or Steel Iron

FRAMES extend in one length from Tank Side to R. Q. Deck and Main Deck state if ordinary or joggled ordinary
REVERSED FRAMES on floors and frames extend from floors to Upper Side Stringer, & R. Q. Deck alternately state if ordinary or joggled ordinary

MASTS, SPARS, &c.

	Material.	Total length.	Diameter and Thickness. At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles. Number.	Size.	Riveting. Seams.	Butts.
Lower Masts — Fore	Wood	62' 0	18"	—	—	—	—	—	—	—	—
Main	Wood	62' 0	18"	—	—	—	—	—	—	—	—
~~Mizen~~							—				
Bowsprit											

Topmasts, Yards and Remainder of **Spars** ✓
Rigging, Material and Size, **Shrouds** 2½" Steel Wire **Stays** Steel Wire, Fore Stay 3¼". Fore Topmast & Span 2"
Sails. One Suit of Fore & Aft Sails Sails and the following spare sails None

Equipment No. 10064 **Letter** I. old Table **Tonnage U.Dk. or Plating No. for Trawlers** —

ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex Stock Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	Cwts.	qrs.	lbs.	Weight required by Table 22. Cwts.	qrs.	lbs.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
5468	1st Bower	15	1	21	Stockless			16	18	3	0	15	0	0	Reed's Patent Stockless	—	Sunderland 26/8/04. W. J. Relf
5484	2nd	15	1	21	"			16	18	3	0	15	0	0	" " "	—	" 30/8/04 "
5539	3rd	13	0	21	"			14	19	1	14	12	3	0	" " "	—	" 8/9/04 "
	Collective weight	44	0	7								42	3	0			
26774	Stream	4	0	7	1	0	0	6	7	2	0	4	0	0	Iron Stock	—	Tipton 18/8/04. J. N. Pursell
26773	Kedge	2	0	0	—	2	0	4	10	0	0	2	0	0	" "	—	" " "

Mechanical Tests of Heads: 1st Bower, Tipton, 2/8/04. C. E. Perrins, 2nd Bower, Tipton 8/8/04. C. E. Perrins, 3rd Bower, Tipton 5/8/04. C. E. Perrins.

If Patent state Name of Patentee. *If Stockless state Mechanical Tests.*

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length. (Fathoms)	Diam. (Ins.)	Test per Certificate. Statutory. (Tons)	Breaking. (Tons)	Weight of Chain Cable. Supplied. (Cwts. qrs. lbs.)	Per Table 22.	Length & Size per Table 22. Length.	Diam.	Description.	Makers of Cables.	Where and when tested and Superintendent.
27733	195	1 3/16	25⅝	38	141.0.21	141.0.16	195	1 3/16	Stud Link	—	Tipton. 18/8/04. J. N. Pursell.
~~Iron Stream Chain~~ Steel Wire	60	3 circ.	—	18	—	—	60	3 circ.	—	Hood Haggie Ld.	—

HAWSERS AND WARPS.

Material.	Length and Size supplied. Length.	Cir.	Breaking Test of Steel Wire Towline.	Length and Size per Table 22. Length.	Cir.
Towline Steel	4.75	3½	5½	75	8½ Hemp
Hawsers & Warps	2.75	5	Manilla	90	6"
"	1.45	8"	"		

Boats Two wood Lifeboats. One wood Dinghy
Pumps, Number One Downton Pump Diameter of Barrel 5" State whether they are in efficient working order yes
Windlass is Clarke Chapman & Co's Patent. **Capstan** —
Engine Room Skylights.—How constructed? Steel plates & bars. Steel flaps
What arrangements for deadlights in bad weather? Bulls' Eyes & Flaps.
Coal Bunker Openings.—How constructed? Steel plates & bars How are lids secured? Battened Hatches Height above deck? 2' 3"
Number of **Scuppers,** and number and dimensions of **Freeing Ports, &c.** 7 Scuppers. 8 ports 2' 9 x 1' 6
Ceiling in Holds, thickness and material 2½" White Pine **Cargo Battens,** thickness and material —
Cargo Hatchways.—How formed? Steel plates & bars **Hatches.**—If strong and efficient? yes.
State size **No. 1 Hatch** (Forward) 45' 6 x 16' 0 **No. 2 Hatch** 25' 7" x 16' 0 **No. 3 Hatch** — **No. 4 Hatch** —
Number of **Web Plates, Shifting Beams,** and **Fore** and **Afters** to each Hatch No. 1 - Four Webs, Three Fore & Afters
No. 2 - Two Webs, Three Fore & Afters **No. of Breasthooks** 2 **No. of Crutches** Deep floors.
Bulwarks, height above deck and description 3' 3" x 4 plates. Main Rail and Stays, material and size B. A. 5½ x 3". 1½ dia Forged.
The above is a correct description.
Builder's Signature (here only). Per Pro THE BLYTH SHIPBUILDING COMPANY, L.D. G. Moffatt GENERAL MANAGER
Surveyor's Signature Andrew Couper
Surveyor to Lloyd's Register of British and Foreign Shipping.

Rpt. 1A.

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made to any correspondence connected with the case*) 7/4/04 M. (2) 14/4/04 M. (2). 28/4/04 E. 29/4/04 M. 4/5/04 M. 25/7/04 M. 23/9/04 M. 28/9/04 M. 30/9/04 M.

Workmanship. Are the butts of plating planed or otherwise fitted? yes
Is the riveted work properly closed? yes
Are the liners between the frames and plates solid single pieces? 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 faying 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 constructed in accordance with the approved plans (5 in number), with the Secretary's letters, & otherwise with the Rules of the Society.
The workmanship, and material, throughout are good.

RETAIN

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. ~~Break~~ 91.66 ft., Bridge Dk. 9' 0 ft., F'castle 20.0 ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated
Raised Quarter Deck is joined to Bridge.
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*) One Deck Steel
Official No. 118643 ; Signal Letters ✓ State if Machinery is fitted aft yes
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 or with girders on floors Cellular System.

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	19' 0	52
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	5.5	5½
Double bottom, if under Engines only,	✓	✓	Deep tank, aft	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward	✓	✓
Double bottom, forward,	108.16	150	Other tanks, if fitted,	✓	✓
Total capacity		150	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.
State whether the above have been tested as required by the Rules yes

Order for Special Survey No. 3604
Date 11.5.04
No. 124 in builder's yard.
Dates of Surveys held while building: 1904 Apl 8.11.15 May 6.16.19.25.30 June 7.8.14.16.20.28 July 1.6.12.16.20.21.25.26.29 Aug 3.5.8.10.12.15.16.19.23.26.29.30 Sep 1.2.5.6.7.8.9.23.26.27.29
Total No. of Visits 46.

The amount of Entry Fee £3 : : :
Special £27 : 5 :
Travelling Expenses, if any £ : : :
Fees applied for, 10 OCT 1904
Received by me, 18/10/1904 19-10-04
Certificate to be sent to Newcastle-on-Tyne.
State whether the Vessel has been built under Special Survey yes
I am of opinion this Vessel should be Classed 100 A. 1.
With, or without Freeboard, as condition of Class without
Andrew Couper
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute FRI. 14 OCT 1904
Character assigned 100 A1 (Steel)
Lloyds a & c P. + Lk. 6.9.04

The Surveyors are requested not to write on or below the Committee's Minute.

Committees 19/10/04.

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