

With or Without

## STEEL STEAMER.

Received at London Office WED. MAY 13 1914

## Disconnected Erections.

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

Date of completion of report *7th May 1914* Port of *Newcastle-on-Tyne* No. *66055*  
Survey held at *Newcastle-on-Tyne* Date, First Survey *3rd Oct 1913* Last Survey *2nd May 1914*  
On the (State if Single, Twin, or Triple Screw) *Single screw steel Steamer "ELFLAND"* Rig *Schooner*  
TONNAGE under *4013.23* CLASS *100AL.* Master *W. E. Robertson*  
Tonnage Deck...  
Between Tonnage Dk. *58.81* Year of appointment *1911*  
3rd and 4th Dk. *11.39* (1) As Master in service of  
Total under Upper Dk. *70.20* (2) As Master of this  
Do. of Poop *58.81* vessel *April 1914*  
Do. of R.Q.Dk. *11.39* Built at *Newcastle-on-Tyne*  
Do. of Bridge House *11.39* When built *1914* Launched *11th March 1914*  
Do. of Forecastle *11.39* By whom built *Northumberland S.B. Co. Ltd.*  
Do. of Houses on Dk. *11.39* Owners *Fred Dryburn & Co.*  
Do. of excess of Hatchways *53.32* Managers *Residence 85 Frenchchurch St. London E.C.*  
Do. above Crown of *4211.42* Port belonging to *London*  
Room *97.22*  
Room *4114.20*  
Room *1347.65*  
on Spaces *139.56*  
on Spaces *53.99*  
on Spaces *2670.22*

on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
rule ....	370	0	Moulded ....	50	8	Top of Floors to top of Upper Dk. Beams	26	29	One
						Do. do. do. do. Second Dk. Beams			No. of Tiers of Beams One

of Ship per Register, Length *370.0* breadth *50.95* depth *26.2* Moulded depth, ft. *36* ins. *9* To Bridge Dk. Round of Upper Dk. Beam, Actual *12 1/2* ins.

FRAMING							PILLARS.						
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule	Inches per Rule	Inches per Rule		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule	Inches per Rule	Inches per Rule
Angles, or <i>E</i> Bars amidships	12	3 1/2	62	12	3 1/2	62	PILLARS, In 'tween Deck, size and spacing	3	51	3	51		
peaks	7	3 1/2	42	7	3 1/2	42	" " Hold						
way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" " Quarter 'tween Dks.,						
" " " at intermdt. Bkts.	8	3 1/2	42	8	3 1/2	42	" " in Hold						
of Frames from centre to centre amidships	25 1/2			25 1/2			KEELSONS & STRINGERS.						
" " " from 1/2 length to Collision bulkhead	25 1/2			25 1/2			CENTRE LINE KEELSON, Vertical Plate above						
" " " in peaks	24			24			floors, Through Plate, or Intercoastal Plate						
SED FRAME, Angles							" Rider Plate						
way of Double Bottoms at Solid Floors							" Flat Plate Keel Angles						
" " " at intermdt. Bkts.							" Horizontal Plates on Floors						
NG, depth of girder							" Angles or Bulb Angles						
IS, depth and thickness of Floor Plate							" Plate above floors, for length						
at mid-line for 1/2 length amidships							" Intercoastal Plate, for length						
n way of Engine and Boiler Spaces							" Attached to outside Plating with Angle						
thickness at the ends of vessel							BILGE KEELSON, Angles						
lepth at 1/2 the half breadth, as per Rule							" Intercoastal Plate for length						
height extended at the Bilges							" Attached to outside Plating with Angle						
RS in Cell. Double Bottoms							SIDE STRINGERS, Number						
state if flanged (top & bottom)							" " Angle						
Spacing of Solid floors							" Intercoastal Plate, for length						
RE GIRDER, in Dbl. bottom, dpth. & thcknss.							" Attached to outside plating with Angle						
" Angles, Top							Upper Deck Stringer Plate, br'dth & thickness						
" " Bottom							" " " " (clear of Bridge)						
" " to Floors							" " " " (in way of Bridge)						
Brackets at intermdt. frmg., wdth & thkns							" " " Angle (clear of Bridge)						
GIRDERS, number on each side & thickness							" Deck * Iron or Steel, for full lng.						
" state if flanged (top and bottom)							" Thickness (clear of Bridge)						
" Angles (top and bottom)							" " (in way of Bridge)						
" to Floors							" Wood Deck. Material & thickness						
IN PLATE, depth (exclusive of flange)							Second Deck Stringer Plate, br'dth & thickness						
and thickness							" Angles on ditto, No.						
" Angles to Outside Plating							" Tie Plates outside Hatchways						
" " Floors							" Deck * Iron or Steel, for lng.						
Brackets at intermdt. frmg., wdth & thkns							" Wood Deck. Material & thickness						
Height of Outside Brackets above at bilge							Third Deck Stringer Plate, br'dth & thickness						
R BOTTOM PLATING, breadth and thickness of Middle Line Strake							" Angles on ditto, No.						
" in Engine and Boiler space							" Tie Plates, outside Hatchways						
" Remainder in Holds							" Deck * Material and thickness						
MS, Upper Deck, Single Angle, Bulb							Fourth and Fifth Deck Stringer Plate, breadth & thickness						
Angle, Plate, Tee Bulb, or Channel							" Angles on ditto, No.						
In way of Long Bridge							" Tie Plates outside Hatchways						
Spacing							" Deck. Material & thickness						
MS, Second Deck, Single Angle, Bulb							Poop Deck Stringer Plate, breadth & thickness						
Angle, Plate, Tee Bulb, or Channel							" Angle on ditto						
Spacing							" Tie Plates						
BEAMS, Third and Fourth Deck, Single Angle,							" Deck. Material and thickness						
Bulb Angle, Plate, Tee Bulb, or Channel							Bridge Deck Stringer Plate, br'dth & thickness						
Angles on upper edge							" Angle on ditto						
Spacing							" Tie Plates						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate,							" Deck. Material and thickness						
Tee Bulb, or Channel							Forecastle Deck Stringer Plate, b'dth & th'kns						
Angles on upper edge							" Angle on ditto						
Spacing							" Tie Plates						
BEAMS, Forecastle Deck, Angle, Bulb Angle,							" Deck. Material and thickness						
Plate, Tee Bulb, or Channel													
Angles on upper edge													
Spacing													

**WEB FRAMES.**

WEB-FRAMES, In Fore Body, No. and spacing  
" " " " breadth & thickness  
" " " " No. of Side Stringers " " "

**WEB-FRAMES, In E. & B. Space, No. & spacing**  
" " " " breadth & thickness  
**WEB-FRAMES, In After Body, No. and spacing**  
" " " " breadth & thickness  
" " " " No. of Side Stringers " " "

Size of Face Angles to Web-Frames.....  
**BRACKET PLATES to Stringers between**  
Web Frames, depth and thickness.....

**BULKHEADS.**

Number.	Vessel.	Per Rule.	STIFFENERS.		Single or Double Frames.	Height up, state deck.
			Horizontal.	Vertical.		
W.T. BULKHEADS	6	60	40-34	10-33-24	Single	1-8
37		33	10-33-24	10-33-24	Single	1-8
66		33	10-33-24	10-33-24	Single	1-8
88		33	10-33-24	10-33-24	Single	1-8
135		33	10-33-24	10-33-24	Single	1-8

**COLLISION PARTITION**  
**LONGITUDINAL**

Are the outside Plates doubled two spaces of Frames in length? *Yes, plating & bracing*  
Are the Sluice Valves and Watertight Doors in efficient working order? *Yes*

**PLATING.**

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.	BUTTS.
	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	AMIDSHIP.	AMIDSHIP.		
FLAT PLATE KEEL.....	52	96	68	68	52	96	Double	6
GARBOARD OR A STRAKE	80	58	46	46	80	62	5/8	7/8
State actual thickness in way of Double Bottom.	B	80	58	46	46	80	62	5/8
C	80	58	46	46	80	62	5/8	7/8
D	72	62	46	46	72	62	5/8	7/8
E	70	64	48	48	70	64	5/8	7/8
F	72	64	48	48	72	64	5/8	7/8
G	72	64	48	48	72	64	5/8	7/8
H	72	64	48	48	72	64	5/8	7/8
Sheer - J	65	60	44	44	65	60	5/8	7/8
K	95	66			81	66	5/8	7/8
L								
M								
N								
O								
P								
Q								
R								
S								
T								
U								
V								
W								

THICKNESS OF SHEET PILE KEEL CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DBLG. of Flat Plate Keel

Sheerstrakes doubled at ends of Bridge

POOP SIDES  
SHORT BRIDGE SIDES  
FORECASTLE SIDES

**FRAMES** extend in one length from *Cank side* to *Upper Deck*  
**REVERSED FRAMES** on floors and frames extend from *Keel Angle frames & plating floor*

**MASTS, SPARS, &c.**

Material.	Total Length.	DIAMETER AND THICKNESS.		No. of Plates in round.	ANGLES.		RIVETING.	
		At Partners.	Heel.		Number.	Size.	Seams.	Butts.
Fore	50-6	23 1/2 x 1	22 1/2 x 8 1/4	One				
Main								
Mizen								

**LOWER MASTS**  
Bowsprit  
Topmasts, Yards and Remainder of Spars *Patish Pine*  
Rigging, Material and Size, Shrouds *3 3/4 gal steel wire*  
Sails. *Suit of*

**EQUIPMENT No. 30447** **LETTER X** **ANCHORS.** **TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS**

Number of Certificate.	Anchors.	WEIGHT, EX STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 31.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	Cwts.	qrs.	Tons.	cwts.	qrs.	lbs.			
41540	1st Bower	57	30	57	30	47	13	14	56 1/2	Bykes Britannic	R. Bykes Son & Co. Ld.	Lipton 30 1/2 C. S. Perrins
15483	2nd "	55	30	55	30	45	16	3	56 1/2	Bykes Britannic	R. Bykes Son & Co. Ld.	Lipton 27 1/2 C. S. Perrins
40962	3rd "	49	18	49	18	41	19	2	47 1/2	Bykes Britannic	R. Bykes Son & Co. Ld.	Lipton 27 1/2 C. S. Perrins
	4th "											
15571	Collective weight	162	38	162	38	160			160			
15572	Stream	15	0	15	0	16	13	0	15	Rodgers	R. Bykes Son & Co. Ld.	Caddy Head 15 1/2 C. S. Perrins
	Kedge	6	2	6	2	9	0	0	6 1/2			

**CHAIN CABLES.**

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and size per Table 31.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	HAWERS AND WARPS.	
			Cwts.	qrs.					Length.	Size.
43151	452 2 1/2	8 1/4	113 1/4	101 1/2	270	2 1/2	Shedden R. Bykes Son & Co. Ld.	Lipton 19 1/2 C. S. Perrins	TOWLINE	120 4 1/2
14331	225 2 1/2	8 1/4	113 1/4	101 1/2	270	2 1/2	Shedden R. Bykes Son & Co. Ld.	Lipton 19 1/2 C. S. Perrins	HAWERS & WARPS	90 3 1/2
	270 3		611 1/2							120 4 1/2
	90 4 1/2		39		90	4 1/2				2-90-3, 3-90-4

**Boats** *Two life boats, one dingy, one cutter.* **Steering Gear, Steam** *Handie & Co.* **Steering Gear, Hand** *Donkin & Co.*  
**Pumps, Number** *Down pump & hand pump & bilge pump* **Diameter of Barrel** *6 x 5* **State whether they are in efficient working order** *Yes*  
**Windlass** *Steam by Clarke Chapman & Co.* **Capstan** *Yes*  
**Engine Room Skylights**—How constructed? *Steel plate & timber* What arrangements for deadlights in bad weather? *Roller glass*  
**Coal Bunker Openings**—How constructed? *Roller glass & timber* How are lids secured? *Lock & pin & bolt* Height above deck? *9"*  
**Number of Scuppers**, and numbers and dimensions of **Freeing Ports, &c.** *8 Scuppers each side, 5 freeing ports each side, 3-3-1-6*  
**Ceiling in Holds**, thickness and material *2 1/2 White Pine over timbers only* **Cargo Battsens**, thickness and material *6-2 White Pine*  
**Cargo Hatchways**—How formed? *Steel plate & angles* **Hatches**, If strong and efficient? *Yes*  
**State size No. 1 Hatch** (Forward) *27-7 1/2 x 21-1 1/2 x 2-9* **No. 2 Hatch** *31-10 1/2 x 21-1 1/2 x 3-9* **No. 3 Hatch** *44-29 1/2 x 21-1 1/2 x 2-6* **No. 4 Hatch** *44-29 1/2 x 21-1 1/2 x 2-6*  
**Number of Web Plates, Shifting Beams and Fore and Afters** to each Hatch *5 Web plates in each hatch, No fine & afters*  
**No. of Breasthooks** *6* **and Dicks** *No.* **No. of Crutches** *4* **Supp. & Lows**  
**Bulwarks**, height above deck and description *4-0 Steel with built slays 7/8 Main Rail, material and size B. Angle 6 x 3 1/2 x 1-40*  
**The foregoing is a correct description.** *Richd. Barlick* **Surveyor's Signature** *Alfred Munro*  
**Builder's Signature** (here only) *Richd. Barlick* **Surveyor to Lloyd's Register of British and Foreign Shipping.**

**Correspondence**—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) *17-15-7-13, 30-7-13, 14-8-13, 21-8-13, 2-9-13, 19-9-13, 22-9-13, 5-10-13*  
**Workmanship** Are the butts of plating planed or otherwise fitted? *Planed & chipped*  
**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 facing surfaces?** *Yes* **Do any rivets break into or through the seams or butts of the plating?** *Very few*  
**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. 26, par. 20)?** *Yes* **State results of tests** *Good*  
**Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)?** *Yes* **State results of tests** *Good*  
**General Remarks** (State quality of workmanship, &c.) *This vessel has been built in accordance with the approved plans, the Secretary's letters of the above mentioned date, and in general conformity with the rules. The materials and workmanship employed during the construction are of good quality*

**RETAIN**

The Surveyor should state the Number of Report and Name of any Sister Vessel. *S/S Ireland No. Reg. No. 62426*

**Amount of Entry Fee** £ 5 : 0 : 0 **Fees applied for,** *MAY 12 1914*  
**Special Survey Fee** £ 127 : 17 : 0 **Received by me,** *14/5/14*  
**Travelling Expenses, if any** £ : : **State whether the Vessel has been built under Special Survey** *Yes*  
**I am of opinion this Vessel should be Classed** *+ 100 A1*  
**With, or without Freeboard, as condition of Class** *Without*  
**Committee's Minute** *TUE. MAY 10. 1914*  
**Character assigned** *100 A1*  
*Lloyd's A & B.P. + L.M.C. 5/14*

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 22.25 ft., R.Q.D. ☒ ft., Bridge 99.87 ft., Forecastle 34.8 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated The Bridge is not joined to the Poop deck.

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 should appear in the Register Book) 18 1/2 (std)

Official No. 136672; Signal Letters

State if Machinery is fitted aft A midships

How are the surfaces preserved from oxidation? Inside Paint & Cement

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.		Water Capacity.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	<u>116-10 1/2</u>	<u>340</u>	Fore peak tank.				
Double bottom, under Engines and Boilers,	<u>42-6</u>	<u>180</u>	After peak tank.			<u>14</u>	
Double bottom, if under Engines only,			Deep tank, aft,				
Double bottom, if under Boilers only,			Deep tank, forward,				
Double bottom, forward,	<u>165-9</u>	<u>600</u>	Other tanks, if fitted,				
	Total capacity of double bottom	<u>1120</u>	(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. 4447

Date 20.8.1913

No. 218 in builder's yard.

DATES OF SURVEYS held while building

1913 Oct. 31. Nov. 3. 5. 12. 21. 24. 26. 27. Dec. 4. 8. 10. 12. 18. 30 1914 Jan. 7. 8. 12. 19. 20 27. Feb. 3. 9. 12. 17. 20. 27. Mar. 2. 10. 16. 20. 21. 24. 27. 28. 29. May. 1. 2. 8

Total No. of Visits 38

Surveyor's Signature