~~With or~~ Without ~~Disconnected~~ Erections.

STEEL STEAMER.

Received at London Office THU. JUL. 3 – 1913

State if Report is also sent on the Machinery of the Vessel Lor Mbrkfts.

Date of completion of report 30th June 1913. Port of Hull No. 26413.

Survey held at Hessle Date, First Survey Nov. 14th Last Survey Jan 30th 1913.

On the Single Screw Tug "ENGLISHMAN." Rig One signal pole.

TONNAGE under Tonnage Deck	61·06
Do. between Tonnage Dk. and 3rd and 4th Dk.	✓
Total under Upper Dk.	✓
Do. of Poop	✓
Do. of R.Q.Dk.	✓
Do. of Bridge House	✓
Do. of Forecastle	✓
Do. of Houses on Dk.	·33
Do. of excess of Hatchways	·83
Above Crown of Engine Room	
Tonnage	62·22
Crew Space	
Above Crown of Engine Room	Limit
Allowance for Fees	
Engine Room	34·22
Navigation Spaces	
Register Tonnage Out on Beam	28·00

CLASS A "Tug for River Service."

	FEET.
Breadth (greatest moulded)	16-0
Depth, at middle of length from top of keel to top of upper deck beams at side	7-5
Transverse Number	23-5 ✓
Length on deck from fore part of stem to after part of stern post	70·75 ✓
Longitudinal Number	166·2 ✓
Depth "d," at middle of length (See Secs. 2 & 13)	6·84 ✓
Proportions—Depths to Length—Upper Deck Beam at side to top of keel	9·43 ✓
" " Long Bridge Deck Beam at side to top of keel	✓

Master Richard Hunt.

Year of appointment (1) As Master in service of owner of present vessel:—191 (2) As Master of this vessel 191

Built at Hessle

When built 1913 Launched 21st April

By whom built Henry Scarr. Ltd.

Owners J. Gray & Co. Ltd.

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

Residence Hull.

Port belonging to Hull.

Destined Voyage ✓ If Surveyed while Building, and Afloat, ~~or in Dry Dock~~ Yes

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH— Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams Do. do. do. do. Second Dk. Beams	Feet.	Inches.	No. of Decks with flat laid: One; No. of Tiers of Beams: One
	40	9		16	0		✓	2	

Dimensions of Ship per Register, Length 41-0 breadth 16·2 depth 4-0. Moulded depth, ft. ✓ ins. To Bridge Dk. Moulded depth, ft. 4 ins. 6 To Upper Dk. Round of Upper Dk. Beam, Actual 4 ins.

FRAMING.

	Inches in Ship.	Inches in Ship	Inches in Ship. 16th	Inches per Rule Or as	Inches per Rule Approved	Inches per Rule Approved. 16th
FRAME, Angles, ~~or E or L~~ Bars amidships	3	2¼	4 ✓	3	2¼	4
Do. in peaks						
Do. in way of Double Bottoms at Solid Floors		✓				
" " at intermdt. Bkts.		✓				
Spacing of Frames from centre to centre amidships and aft		24	✓		24	
" " " " ~~from 1 length to Collision bulkhead~~		✓				
" From frame 28 to stem ~~in peaks~~		18	✓		18	
REVERSED FRAME, Angles	2¼	2¼	4 ✓	2¼	2¼	4
Do. in way of Double Bottoms at Solid Floors		✓				
" " at intermdt. Bkts.		✓				
FRAMING, depth of girder		3 ✓			3	
FLOORS, depth and thickness of Floor Plate at mid-line for ¾ length amidships	8		4 ✓	8		4
" in way of Engine and Boiler Spaces			5 ✓			5
" thickness at the ends of vessel			4 ✓			4
" depth at ¾ the half breadth, as per Rule	Straight			across		
" height extended at the Bilges		Det ✓		plan		
FLOORS & BRACKETS in Cell Dble Bottoms		✓				
" " state if flanged (top & bottom)		✓				
" " Spacing		✓				
CENTRE GIRDER, in Dbl. bottom, dpth. & thicknss.		✓				
" " Angles, Top		✓				
" " " Bottom		✓				
" " " to Floors		✓				
SIDE GIRDERS, number on each side & thickness		✓				
" " state if flanged (top and bottom)		✓				
" " Angles (top and bottom)		✓				
" " " to Floors		✓				
MARGIN PLATE, depth (exclusive of flange) and thickness		✓				
" " Angles to Outside Plating		✓				
" " " Floors		✓				
" " Height of Brackets above at bilge		✓				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake		✓				
" " " in Engine and Boiler space		✓				
" " " Remainder in Holds		✓				
BEAMS, Upper Deck, Single Angle, ~~Bulb Angle, Plate, Tee Bulb, or Channel~~ Through Beams	3	2½	·24	3	2½	·24
" ~~Angles on upper edge~~ Det. Drawing	2½	2½	·24	2½	2½	·24
" In way of Long Bridge		✓	—			
" Spacing (18" From frame 28 to stem.)		24	✓		24	
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel		✓				
" Angles on upper edge		✓				
" Spacing		✓				
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel		✓				
" Angles on upper edge		✓	—			
" Spacing		✓				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel		✓				
" Angles on upper edge		✓				
" Spacing		✓				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel		✓				
" Angles on upper edge		✓	—			
" Spacing		✓				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel		✓				
" Angles on upper edge		✓	—			
" Spacing		✓				

PILLARS.

	Inches. Size in Ship.	Inches. Spacing in Ship.	Inches per Rule. Or as	Inches per Rule. Approved.
PILLARS, In 'tween Deck, size and spacing	✓			
" " Hold " "	2¼"	As arranged		
" Quarter 'tween Dks., " "	✓	✓		
" " in Hold " "	✓			

KEELSONS & STRINGERS.

	Inches in Ship.	Inches in Ship.	Inches in Ship. 16th	Inches per Rule Or as	Inches per Rule Approved	Inches per Rule Approved. 16th
CENTRE LINE KEELSON, ~~Vertical Plate above floors, Through Plate, or~~ Intercostal Plate			4 ✓			4
" Rider Plate		✓				
" Flat Plate Keel Angles		✓				
" Horizontal Plates on Floors		✓				
" Angles ~~or Bulb Angles~~	2½	2½	5 ✓	2½	2½	5
SIDE KEELSONS, Number		✓				
" Angles or Bulb Angles		✓				
" Plate above floors, for length		✓				
" Intercostal Plate, for length		✓				
" Attached to outside Plating with Angle		✓				
BILGE KEELSON, Angles		✓				
" Intercostal Plate for length		✓				
" Attached to outside Plating with Angle		✓				
SIDE STRINGERS, Number		One		Fitted by Owners request.		
" Angle From frame 9 to frame 31	4	3	6			
" Intercostal Plate, for length		✓				
" Attached to outside plating with Angle		✓				
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)		38	4 ✓		38	4
" " " br'dth & thickness (in way of Bridge)		✓				
" " " Angle (clear of Bridge)		2½ × 2½	4 ✓		2½ × 2¼	4
" " Tie Plate at sides of Hatchways		✓				
" Deck.* ~~Iron or~~ Steel, for full lng.			4 ✓			4
" " Thickness (clear of Bridge)		✓				
" " " (in way of Bridge)		✓				
" Wood Deck. Material & thcknss		None	✓			
Second Deck Stringer Plate, br'dth & thickness		✓				
" Angles on ditto, No.		✓				
" Tie Plates outside Hatchways		✓				
" Deck.* Iron or Steel, for lng.		✓				
" Wood Deck. Material & thickness		✓				
Third Deck Stringer Plate, br'dth & thickness		✓				
" Angles on ditto, No.		✓				
" Tie Plates, outside Hatchways		✓				
" Deck.* Material and thickness		✓				
Fourth and Fifth Deck Stringer Plate, breadth & thickness		✓				
" " " Angles on ditto, No.		✓				
" " " Tie Plates outside Hatchways		✓				
" " Deck. Material & thickness		✓				
Poop Deck Stringer Plate, breadth & thickness		✓				
" Angle on ditto		✓				
" Tie Plates		✓				
" Deck. Material and thickness		✓				
Bridge Deck Stringer Plate, br'dth & thickness		✓				
" Angle on ditto		✓				
" Tie Plates		✓				
" Deck. Material and thickness		✓				
Forecastle Deck Stringer Plate, b'dth & th'kns		✓				
" 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.

Form No. 1A.—1m,3,11.T.

WEB FRAMES.

	Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.
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 Face Angles to **Web-Frames**	✓			
BRACKET PLATES to Stringers between Web Frames, depth and thickness	✓			

FORGINGS ~~or CASTINGS~~.

	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar, depth and thickness	5 × 1 ✓	5 × 1
STEM, moulding and thickness	5 × 1 ✓	5 × 1
STERN-POST for Rudder do. do.	4½ × 2 ✓	4½ × 2
,, for Propeller		
RUDDER—A×D* Table 22. Speed under 10 Knots	29.18	29.18
,, **Main-Piece,** diameter at head	3⅛ ✓	3
,, ,, ,, at heel	4½ × 2	2 × 2

BULKHEADS.

	Number. Vessel.	Number. Per Rule.	Thickness. Inches.	Stiffeners. Horizontal. Size. Inches.	Horizontal. Spacing Inches.	Vertical. Size. Inches.	Vertical. Spacing Inches.	Single or Double Frames.	Height up.
W.T. BULKHEADS	4	4	·24 ✓		3 × 2½ × 28		24	Single	Dk
COLLISION ,,					3 × 2½ × 28		24	Single	Dk
PARTITION ,,									
LONGITUDINAL ,,									

RUDDER. how constructed Forged steel frame.

,, Thickness of Plates ~~or Single Plate~~ ·25 ✓

Can the Rudder be unshipped afloat? Yes

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.? Mild Steel.
Stockton Malleable. Gradingham, Consett.

Are the outside Plates doubled two spaces of Frames in length? Diamond plates fitted

Are the Sluice Valves and Watertight Doors in efficient working order? None

Has the Steel been tested as required by the Rules? Yes.

PLATING.

STRAKES.		As in Ship. Amidship. Breadth. Inches.	Amidship. Thickness. 16ths Inches.	Forward. Thickness. 16ths Inches.	Aft. Thickness. 16ths Inches.	Per Rule or as Approved. Amidship. Breadth. Inches.	Amidship. Thickness. 16ths Inches.
Flat Plate Keel (If Bar Keel, state Riveting.)		Bar Keel					
Garboard or	A Strake	39	4 ✓	4	4	39	4
State actual thickness in way of Double Bottom.	B ,,		4 ✓	4	4		4
	C ,,		4 ✓	4	4		4
	D ,,		4 ✓	4	4		4
Shear	E ,,	39	4 ✓	4	4	39	4
	F ,,						
	G ,,						
	H ,,						
	J ,,						
	K ,,						
	L ,,						
	M ,,						
	N ,,						
	O ,,						
	P ,,						
	Q ,,						
	R ,,						
	S ,,						
	T ,,						
	U ,,						
	V ,,						
	W ,,						
Th'kness of Sh'rstrke clear of Long Bridge		✓					
Do. of Strake below		✓					
Dblg. of Flat Plate Keel		✓					
,, Sheerstrakes (Length and thickness.)		✓					
Poop Sides		✓					
Short Bridge Sides		✓					
Forecastle Sides		✓					

Write "Bridge Sheer Strake" and "Upper Deck Sheer Strake" opposite the corresponding letter.

*Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

RIVETING.

Lower Edges, Ordinary or Joggled? Ordinary

	Single or Double.	Breadth of Lap. Inches.	Rivets. Diam. Inches.	Rivets. Spacing cr. to cr. Inches.	Butts. Double or Treble and for what Length.	Rivets. Diam. Inches.	Rivets. Spacing cr. to cr. Inches.	Straps. Breadth. Inches.	Straps. Thickness. Inches.	If Lapped. Breadth. Inches.	If Lapped. For what Length. Feet.
Upper Deck Stringer Plate			¾	3¾							
Butts, Dble riveted for full length amidship.	Double	5/8	5/8	2½						4½	Full
Straps, ~~single, double or~~ overlapped for full length ~~amidship~~.	Single	2¼	5/8	2½						4½	Full
Second Deck Stringer Plate											
Butts, ✓ riveted for ✓ length amidship.											
Straps, single or overlapped for ✓ length amidship.											

Upper Deck Stringer Plate — **Butts,** Dble riveted for full length ~~amidship~~.
Straps, ~~single, double or~~ overlapped for full length ~~amidship~~.

Second Deck Stringer Plate — **Butts,** ✓ riveted for ✓ length amidship.
Straps, single or overlapped for ✓ length amidship.

Butts of Side Stringers Double riveted.
,, **Tie Plates** ✓ riveted.
Inner Bottom Plating, riveting of **Edges** ✓ **Butts** ✓
Centre Girder Butts, ✓ riveted **Keelson Butts,** riveted.
Frames, riveted through Plates with 5/8 in. Rivets, about 4½ ✓ apart.
Rivets, state whether Iron or Steel Iron

FRAMES extend in one length from Keel to deck. State if ordinary or joggled Ordinary.
REVERSED FRAMES on floors and frames extend ~~from~~ across top of floors 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.	Angles. Size.	Riveting. Seams.	Riveting. Butts.
Lower Masts: Fore / Main / Mizen	One Signal pole										
Bowsprit ✓											

Topmasts, Yards and Remainder of **Spars** ✓
Rigging, Material and Size, **Shrouds** Galv.d wire. **Stays** Galv.d wire.
Sails. ✓ Suit of ✓ Sails, and the following spare sails ✓

Form No. 1A.

EQUIPMENT No. ✓ LETTER ✓ . ANCHORS. TONNAGE U. DK. OR PLATING No. FOR TRAWLERS ✓ .

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 31. Cwts.	qrs.	lbs.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
14192	1st Bower	3	3	6	Stockless			6	3	0	14				Britannia	R. Dykes & Son	L.R.H.-C.H. 26.5-13. A.C. Paul, Sup.
	2nd ,,	✓															
	3rd ,,	✓															
	4th ,,	✓															
	Collective weight																
	Stream	✓															
	Kedge	✓															

3 bu figure 1 is not required.

If Patent state Name of Patentee. If Stockless, state Mechanical Test.

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 Rule. Cwts. qrs. lbs	Length and Size per Table 31. Length. Fathoms.	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
13044	60	5/8	7	10½	13-2.23	13-0.0			Stud link	R. Dykes & Son.	L.R.H.-C.H. 29-5-13 A.C. Paul. Sup.
Iron Stream Chain or Steel Wire	✓	Cir.						Cir.			

HAWSERS AND WARPS.

Material	Length and Size supplied. Length. Fathoms.	Cir. Ins.	Breaking Test of Steel Wire Towline. Tons.	Length and Size per Table 31. Length. Fathoms.	Cir. Ins
Towline					
Hawsers & Warps Manilla	60	6			
,, ,,	30	4			
,, ,,					

Boats One.
Steering Gear, Steam ✓ **Steering Gear, Hand** Tiller & C.
Pumps, Number Two Diameter of Barrel 4 State whether they are in efficient working order Yes.
Windlass is by Emerson, Walker Ltd. (Steam.) **Capstan** ✓
Engine Room Skylights.—How constructed? of Steel What arrangements for deadlights in bad weather? Steel flaps & bullseyes.
Coal Bunker Openings.—How constructed? Plates and angles and cast iron rings How are lids secured? Battened down and screwed. Height above deck? 2½" and flush.
Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** On each side. 5 Scuppers. 2 freeing ports 18" × 6".
Ceiling in Holds, thickness and material ✓ **Cargo Battens,** thickness and material ✓
Cargo Hatchways.—How formed? ✓ **Hatches,** If strong and efficient? ✓
State size **No. 1 Hatch** (Forward) ✓ **No. 2 Hatch** ✓ **No. 3 Hatch** ✓ **No. 4 Hatch** ✓
Number of **Web Plates, Shifting Beams** and **Fore** and **Afters** to each Hatch ✓
No. of Breasthooks Two **No. of Crutches** One & deep floors
Bulwarks, height above deck and description 2-3" × 3/16" Main Rail, material and size 3 × 2½ × 7/16 Steel B.B. and 5" × 1" Chinchock
The foregoing is a correct description. FOR & ON BEHALF OF HENRY SCARR, LIMITED, *Surveyor's Signature* Allison B. Wilson.
Builder's Signature (here only) W. L. Scarr.
Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (*References should be made in any correspondence connected with the case*) (am) 23-9-12
5-11-12

Workmanship. Are the butts of plating planed or otherwise fitted? 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 faying surfaces? Yes Do any rivets break into or through the seams or butts of the plating? A 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 Satisfactory.
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests Satisfactory.

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 and in general conformity to the Rules for the class contemplated.

Accompanying this report:- Plans of Midship Section, profile and Deck. and Reports (2) on Ships Forgings.

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

The amount of Entry Fee ..... £ 1 : 0 : 0 — Fees applied for, 2/7/ 1913
Special Survey Fee ..... £ 7 : 0 : 0 — Received by me, 11-7-1913
Travelling Expenses, if any £ — : 16 : 0 / 9 : 4
State whether the Vessel has been built under Special Survey Yes
I am of opinion this Vessel should be Classed A— "Tug for River Service."
With, or without Freeboard, as condition of Class Without.
Certificate to be sent to Hull **Date of Issue** 12/7/13 Weekly to the Engineer branch.
Allison B. Wilson
Surveyor to Lloyd's Register of British and Foreign Shipping.

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

Committee's Minute FRI. JUL. 4-1913
Character assigned A—
Tug for River Service
W
+ L.R. 6.6.13.

GENERAL REMARKS—(*continued*).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle ✓ ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

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*) 1 Dk (Stl.)

Official No. 133444 ; Signal Letters ✓ . State if Machinery is fitted aft No

How are the surfaces preserved from oxidation? Inside Wailes Dove's Bituminastic Enamel Outside Paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors ✓

Where Fitted.		*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		
Double bottom, under Engines and Boilers,	✓		
Double bottom, if under Engines only,	✓		
Double bottom, if under Boilers only,	✓		
Double bottom, forward,	✓		
		Total capacity of double bottom	✓

Where Fitted.		*Length. Feet.	Water Capacity. Tons.
Fore peak tank,	✓		
After peak tank,	✓		
Deep tank, aft,	✓		
Deep tank, forward,	✓		
Other tanks, if fitted,	✓		
(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 ✓

Order for Special Survey No. 1975

Date 4/10/12

No. 225 in builder's yard.

DATES of Surveys held while building: 1912:- Nov 14. Dec 9. 1913:- Jan 10. Feb 5. 19. 27. Mar 11. 18 Apr 14. 16. 22 May 15. Jun 17. 30.

Total No. of Visits 14

Surveyor's Signature Allison B. Wilson.