With or Without Disconnected Erections

STEEL STEAMER.

Received at London Office [illegible stamp] 1910

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

No. 22797

Date of completion of report *15th July 1910* Port of *Hull*

Survey held at *Goole* Date, First Survey *July 30/09* Last Survey *July 23rd 1910*

On the *Steel Screw Steamer* "THAMES." Rig *Schooner*

TONNAGE under Tonnage Deck	341.00
Do. between Tonnage Dk. and 3rd and 4th Dk.	
Total under Upper Dk.	✓
Do. of Poop	✓
Do. of R.Q. Dk.	43.98
Do. of Bridge House	
Do. of Forecastle	
Do. of Houses on Dk.	21.04
Do. of excess of Hatchways	18.21
Do. above Crown of Engine Room	19.21
Gross Tonnage	403.44
Crew Space	29.79
above Crown of Engine Room	19.21
Tonnage for Fees	354.44
Engine Room	178.85
Navigation Spaces	20.41
Crown of Engine Space	19.21
Register Tonnage	174.39
cut on Beam	

CLASS ✠100A1.

	Feet.
Breadth (greatest moulded)	24.00
Depth, at middle of length from top of keel to top of upper deck beams at side	11.83
Transverse Number	35.83
Length on deck from fore part of stem to after part of stern post	145.0
Longitudinal Number	5195
Depth "d," at middle of length (See Secs. 2 & 13)	9.4
Proportions—Depths to Length—Upper Deck Beam at side to top of keel	12.25
" Long Bridge Deck Beam at side to top of keel	✓

Master *J. S. Burnett* Year of appointment (1) As Master in service of owner of present vessel:—19 (2) As Master of this Vessel *1910*

Built at *Goole*

When built *1910* Launched *9th June*

By whom built *The Goole Shipbuilding & Rep. Co. Ld.*

Owners *E. P. Hutchinson*

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

Residence *Hull*

Port belonging to *Hull*

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

LENGTH on Deck as per Rule	Feet 145	Inches 0	BREADTH—Moulded	Feet 24	Inches 0	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams / Do. do. do. do. Second Dk. Beams	Feet 9	Inches 10	No. of Decks with flat laid *One* / No. of Tiers of Beams *One*

Dimensions of Ship per Register, Length *145.5* breadth *24.15* depth *9.6* Moulded depth, ft. ✓ ins. — To Bridge Dk. Moulded depth, ft. *11* ins. *10* To Upper Dk. Round of Upper Dk. Beam, Actual *6* ins.

FRAMING.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches per Rule
FRAME, Angles, ~~or E or L Bars~~ amidships	4½	3	.34	4½	3	.34
Do. in peaks	4	2½	.34	4	2½	.34
Do. in way of Double Bottoms at Solid Floors	3	3	.28	3	3	.28
at intermdt. Bkts.	3½	3	.30	3½	3	.30
Spacing of Frames from centre to centre amidships		21½			21½	
" " from ¼ length to Collision bulkhead						
" " in peaks	R.F.	in tanks		3	3	.28
REVERSED FRAME, Angles *on top of floors*	2½	2½	.28	2½	2½	.28
FRAMING, depth of girder		4½			4½	
FLOORS, depth and thickness of Floor Plate at mid-line for ½ length amidships	16		.28	16		.28
" in way of Engine and Boiler Spaces	E.30.B		.38		.30	.38
" thickness at the ends of vessel			.26			.26
" depth at ¾ the half breadth, as per Rule	*Straight*	*across*				
" height extended at the Bilges		*Dbl.*	*bottom*			
FLOORS & BRACKETS in Cell Dble Bottoms	30		.28	30		.28
" state if flanged (top & bottom)		No				
" Spacing		43			43	
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness.	30		.36	30		.36
" Angles, Top	3	3	.34	3	3	.34
" Bottom	3½	3½	.36	3½	3½	.36
" to Floors	3	3	.28	3	3	.28
SIDE GIRDERS, number on each side & thickness	One		.32	One		.32
" state if flanged (top ~~and bottom~~)		Yes			Yes	
" Angles	3	3	.25	3	3	.25
MARGIN PLATE, depth (exclusive of flange) and thickness	27		.30	27		.30
" Angles to Outside Plating	3	3	.30	3	3	.30
" Floors	3	3	.28	3	3	.28
" Height of Brackets above at bilge		32			32	
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	30		.38	30		.38
" in Engine and Boiler space		✓				
" Remainder in Holds			.32			.32
BEAMS, Upper Deck, Single Angle, ~~Bulb Angle, Plate, Tee Bulb, or Channel~~	4½	3	.30	4½	3	.30
" Angles on upper edge		✓				
" Spacing		21½			21½	
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee, Bulb, or Channel		✓				
" Angles on upper edge		✓				
" Spacing		✓				
BEAMS, Third or Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel		✓				
" Angles on upper edge		✓				
" Spacing		✓				
BEAMS, Fourth or Fifth Deck, 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~~	5½	3½	.40	5½	3½	.40
" Angles on upper edge		✓				
" Spacing		43			43	
PILLARS, In 'tween Deck, size and spacing						
" Hold	2½	*As arranged.*				
" Quarter 'tween Dks., " "						
" in Hold " "						
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	*Flat plate keel*	
STEM, moulding and thickness	6 × 1½	6 × 1½
STERN-POST for Rudder do. do.	5½ × 3½ / 6 × 3¾	5½ × 3½ / 6 × 3¾
" for Propeller		
RUDDER—A×D* Table 22		
" Main-Piece, diameter at head	4	4
" " at heel	3	3

RUDDER, how constructed *Forged iron frame. Single plate .50*

Can the Rudder be unshipped afloat? *Yes.*

KEELSONS & STRINGERS.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	Inches per Rule
CENTRE LINE KEELSON, ~~Vertical Plate above floors~~, Through Plate, ~~or Intercostal Plate~~	19		.32	19		.32
" Rider Plate		✓				
" Flat Plate Keel Angles	3	3	.32	3	3	.32
" Horizontal Plates on Floors *2 Plates*	12		.32	12		.32
" Angles ~~or Bulb Angles~~	3	3	.30	3	3	.30
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 *One*	3	3	.30	3	3	.30
" Intercostal Plate for length			.28			.28
" Attached to outside Plating with Angle	3	3	.30	3	3	.30
SIDE STRINGERS, Number *One* Angle	5	4	.40	5	4	.40
" Intercostal Plate, for length		✓				
" Attached to outside plating with Angle		✓				
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)		63	.38	63		.38
" (in way of Bridge)		✓				
" Angle ~~(clear of Bridge)~~		3 × 3	.40	3 × 3		.40
" Tie Plate at sides of Hatchways		✓				
Deck.* ~~Iron or~~ Steel, for *full* lng.			.30			.30
" Thickness (clear of Bridge)		✓				
" (in way of Bridge)		✓				
" Wood Deck. Material & thickness		*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			.24			.24
" Angle on ditto		2½ × 2½	.24	2½ × 2½		.24
" Tie Plates (*In centre*)		48	.25	48		.25
" Deck. Material and thickness *Y. Pine*		2½		2½		

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

BULKHEADS.	Number Vessel.	Number Per Rule.	Thickness. Inches.	Stiffeners Horizontal Size. Inches.	Stiffeners Horizontal Spacing. Inches.	Stiffeners Vertical Size. Inches.	Stiffeners Vertical Spacing. Inches.	Single or Double Frames.	Height up.
W. T. BULKHEADS	3	3	.30-.26	(5×3×.36) (Collision)		3½×3	30 / .36	Single	Dk.
COLLISION "									
PARTITION "	✓								
LONGITUDINAL "	✓								

Are the outside Plates doubled two spaces of Frames in length *Diamond plate fitted*

Are the ~~Sluice Valves and~~ Watertight Doors in efficient working order? *Yes.*

Form No. 1A.—Im.9.9.

W727-0098 (1 of 2)

STRAKES.	PLATING. As in Ship. Amidship. Breadth. Inches.	Amidship. Thickness. Inches.	Forward. Thickness. Inches.	Aft. Thickness. Inches	Per Rule or as Approved. Amidship. Breadth. Inches.	Amidship. Thickness. Inches.	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.
Flat Plate Keel (If Bar Keel, state Riveting.)	36	·52	·42	·42	36	·52					T full L	7/8	3 1/8	16 3/4	·64		
Garboard or A Strake	46	·36	·32	·32	46	·36	Double	5 1/4	7/8	3·59	T ½ L	3/4	2 5/8			7½	Full
B (State actual thickness in way of Double Bottom.)		·36	·32	·32		·32	"	4½	3/4	3·07	" " "	3/4	2 5/8			"	"
C		·36	·32	·32		·36	"	"	"	"	" " "	"	"			"	"
D		·34	·30	·30		·34	Single	2½	"	"	D full L	"	"			5	"
E		·36	·32	·32		·36	"	"	"	"	" " "	"	"			"	"
Main Dk Sheer F	36	·56 (·46)	·32	·32	36	·56 (·46)	Double	4½	"	"	T ½ L	"	"			7½	"
R.Q.D. Sheer G	50	·51		·30	50	·51	"	"	"	"	T at Break	"	"			7½	"
H																	
J																	
K																	
L																	
M																	
N																	
O																	
P																	
Q																	
R																	
S																	

In way of break only.

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

Doubling of Flat Plate Keel ✓

Sheerstrakes, Length and thickness. Increased in thickness to ·56 in lieu of doubling at break.

~~Poop~~ Sides R.Q.D. Increased in thickness to ·51 in lieu of doubling at break.

Short Bridge Sides ✓

Forecastle Sides ·24

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

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 Martin. South Durham. Consett. Palmers.

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

Upper Deck Stringer Plate: Butts, ~~Double~~ 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 Treble riveted.

" Tie Plates ✓ riveted.

Inner Bottom Plating, riveting of Edges Single Butts T & D.

Centre Girder Butts, Treble riveted Keelson Butts, Treble riveted.

Frames, riveted through Plates with 3/4 in. Rivets, about 5 apart.

Rivets, state whether Iron or Steel Iron

FRAMES extend in one length from keel to tankside, and tankside to dk. (Keel to Dk. elsewhere) State if ordinary or joggled Ordinary.

REVERSED FRAMES on floors and frames extend ~~from~~ across top of floors. (Single angle frames) 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	P. Pine	40·0	13"								
Main	" "	35·0	13								
Mizen	" "	27·6	11								

Bowsprit ✓

Topmasts, ~~Yards~~ and Remainder of Spars Pitch pine " "

Rigging, Material and Size, Shrouds Galvd wire 2 3/4 - 2 1/4 Stays Galvd wire, 3. 2 3/4. 2 1/4

Sails. One Suit of Sails, and the following spare sails ✓

EQUIPMENT No. 5844 LETTER f

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. (If Patent state Name of Patentee.)	Makers.	Where and when tested and Superintendent. (If Stockless, state Mechanical Tests.)
6458	1st Bower	9	0	6	Stockless			11	2	2	0	9	0	0	Gruns Quick Grip	John Green	L.P.H.C.H, 18-2-10 Paul
6457	2nd	9	0	4		"		11	2	2	0	9	0	0	" " "	" "	" " 18-2-10 "
"	3rd																
	4th																
	Collective weight	18	0	10								18	0	0			
6484	Stream	3	0	0	–	3	2	5	10	0	0	3	0	0	Ordinary	John Green	L.P.H.C.H. 22-2-10, Paul
6485	Kedge	1	1	4	–	1	10	3	13	0	14	1	1	0	"	" "	" " 22-2-10 "

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.
7198	165	1	18	27	85-0-22	84-0-17	165	1	Stud Link	John Green	L.P.H.C.H. 22-2-10. Paul
~~Iron~~ Stream ~~Chain or~~ Steel Wire	45	Cir. 2 3/4		15½			45	Cir. 2 3/4			

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 Steel	75	2½	12½	75	2½
Hawsers & Warps Manilla	90	5½		90	5½
" "					
" "					

Boats 2 Lifeboats.

Steering Gear, Steam Good Steering Gear, Hand Good.

Pumps, Number Three. Diameter of Barrel 4½ State whether they are in efficient working order Yes

Windlass is by Gemmell & Frow. Capstan ✓ Hand

Engine Room Skylights.—How constructed? Of Teak

What arrangements for deadlights in bad weather? Teak flaps and bullseyes.

Coal Bunker Openings.—How constructed? Plates and angles and cast iron rings How are lids secured? Battened down and secured Height above deck? 7·1 & flush

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. On each side, 6 Scuppers, 2 Ports 3·3 x 1·5, 3 Ports 2.25 x 1·25

Ceiling in Holds, thickness and material 2½" pine Cargo Battens, thickness and material 2" pine.

Cargo Hatchways.—How formed? Plates and angles Hatches, If strong and efficient? Yes 2½

State size No. 1 Hatch (Forward) 22' 6½" x 13' 0" No. 2 Hatch 21' 6" x 13' 0" No. 3 Hatch ✓ No. 4 Hatch ✓

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch Two web plates, and three fore and afters in each hatch

No. of Breasthooks Four No. of Crutches 1 and deep floors

Bulwarks, height above deck and description 4' 0" x ·25 Main Rail, material and size 5" x 2½" x 6/20" Steel B.A.

The above is a correct description.

Builder's Signature (here only) THE GOOLE SHIPBUILDING & REPAIRING Co LTD [signature] Assistant Manager

Surveyor's Signature Allison B. Wilson.

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

Form No. 1A.

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made to any correspondence connected with the case*) (M) 20.9.09. (E.) 15.12.09.

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.

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. Pumping Arrangements, Reports on Ships Forgings (2)

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. 91·87 ft., Bridge ✓ ft., Forecastle 19·1 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. 129277; Signal Letters ✓ State if Machinery is fitted aft Yes

How are the surfaces preserved from oxidation? Inside Portland Cement and 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,		30
Double bottom, under Engines and Boilers, ✓			After peak tank, ✓		
Double bottom, if under Engines only, ✓			Deep tank, aft, ✓		
Double bottom, if under Boilers only, ✓			Deep tank, forward, ✓		
Double bottom, forward,	78·83	82½	Other tanks, if fitted, ✓		
	Total capacity of double bottom	82½	(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. 1809

Date 4·9·09

No. 129, in builder's yard.

Dates of Surveys held while building: 1909:- Jul 30. Oct 1. 29. Nov 2. 3. 4. 8. 11. 16. 19. 22, 27. 30. Dec 3. 10. 11. 15. 16. 21. 22, 24, 28. 29 1910:- Jan 8. 10. 17. 24. 26. Feb 3. 9. 16. 19. 22. 24, Mar 3. 9. 14, 16. 21. 22. 30. Apr 1. 4. 6. 8. 12, 18. 20. 21. 22. 25. 27. 29. May 2. 3. 5. 10. 13. 21. 26. Jun 1. 3. Jul 1. 4. 7. 9. 12. 13. 14. 19. 21. 23

Total No. of Visits 72

The amount of Entry Fee £ 7 : 0 : 0

Special Survey Fee £ 17 : 14 : 0

Travelling Expenses, if any £ 2 : 6 : 10

Fees applied for, 28·7·1910

Received by me, 30·7·1910 [initials] 2·8

Certificate to be sent to Hull.

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

Allison B. Wilson.

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

Committee's Minute WED. 3 AUG 1910

Character assigned 100 A1

Lloyd's acct

thmc 7.10

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

Certs issued 10/8/10. W727-0098 (2 of 2)