

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office

Date of completion of report  
Survey held at

West Hartlepool

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

Yes

Port of

West Hartlepool

No.

15705

Date, First Survey

12<sup>th</sup> December 1919

Last Survey

22<sup>nd</sup> December 1919

GONDIA

Rig

F. A. Schooner

On the (State if Single, Twin or Triple Screw)

TONNAGE under

Tonnage Deck

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.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES

Less Engine Room

Less Navigation Spaces

Register Tonnage

as cut on Beam

CLASS 100 A.1.

FEET.

Master

J. L. Moth

Year of appointment

(1) As Master in service of owner of present vessel;—1911  
(2) As Master of this vessel 1919

Built at

West Hartlepool

When built

1919

Launched 9<sup>th</sup> Oct<sup>r</sup> 1919

By whom built

Messrs 10<sup>th</sup> Gray & Co (1918) Ltd

Owners

British India Steam Navigation Co

Managers

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

Residence

Port belonging to

Glasgow

Destined Voyage Rotterdam via Mid<sup>sh</sup>

If Surveyed while Building, Afloat, or in Dry Dock Building

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
400			52			28 6			Two	Two
						19 6				

Dimensions of Ship per Register. Length 400-0 breadth 52-3 depth 28-55. Moulded depth, ft. 31 ins. 0 To Bridge Dk. Round of Upper Dk. Beam, Actual 13 ins.

FRAMING.						PILLARS.					
	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship		Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
FRAME, Angles, or E or L Bars amidships	10	3 1/2	46	10	3 1/2	46	PILLARS In 'tween Deck, size and spacing	3 1/2	52	3 1/2	52
Do. in peaks	8	3	38	8	3	38	" " Hold	5 1/2	"	5 1/2	"
Do. in 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.	9	3 1/2	42	9	3 1/2	42	" " in Hold	"	"	"	"
Spacing of Frames from centre to centre amidships			26			26	KEELSONS & STRINGERS.				
" " length to Collision bulkhead			24			24	CENTRE LINE KEELSON, Vertical Plate above				
" " in peaks							floors, Through Plate, or Intercoastal Plate				
REVERSED FRAME, Angles	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" Rider Plate				
Do. in way of Double Bottoms at Solid Floors	8	3	46	8	3	46	" Flat Plate Keel Angles				
" " at intermdt. Bkts.	10			10			" Horizontal Plates on Floors				
FRAMING, depth of girder							" Angles or Bulb Angles				
FLOORS, depth and thickness of Floor Plate							SIDE KEELSONS, Number				
" at mid-line for 1/2 length amidships							" Angles or Bulb Angles				
" in way of Engine and Boiler Spaces							" Plate above floors, for length				
thickness at the ends of vessel							" Intercoastal Plate, for length				
depth at 1/2 the half breadth, as per Rule							" Attached to outside Plating with Angle				
height extended at the Bilges							BILGE KEELSON, Angles				
FLOORS in Cell. Double Bottoms	43		42	43		42	" Intercoastal Plate for length				
state if flanged (top & bottom)	70			70			" Attached to outside Plating with Angle				
Spacing of Solid floors							SIDE STRINGERS, Number				
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.	43		50	43		50	" " Angle				
" " Angles, Top	6		66	6		66	" Intercoastal Plate, for length				
" " Bottom							" Attached to outside plating with Angle				
" " to Floors							Upper Deck Stringer Plate, br'dth & thickness	80	62	80	62
Brackets at intermdt. frmg., wdth & thknss	39		42	39		42	(clear of Bridge)				
SIDE GIRDERS, number on each side & thickness	one			one			" " " br'dth & thickness	80	48	80	48
" " state if flanged (top and bottom)	Yes			Yes			(in way of Bridge)				
" " Angles (top and bottom)	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" " Angle (clear of Bridge)	6 x 6	60	6 x 6	60
" " to Floors							" Tie Plate at sides of Hatchways	Increased in thickness			
MARGIN PLATE, depth (exclusive of flange)	40 1/2		48	34		48	Deck * Iron or Steel, for whole lng.				
" " and thickness	3 1/2	3 1/2	50	3 1/2	3 1/2	50	" Thickness (clear of Bridge)	52		52	
" " Angle to Outside Plating							" (in way of Bridge)	40		40	
" " Floors							" Wood Deck, Material & thickness				
Brackets at intermdt. frmg., wdth & thknss	39		42	39		42	Second Deck Stringer Plate, br'dth & thickness	62	44	62	44
Height of Outside Brackets above at bilge	38			38			Angles on ditto, No. Two (Shell)	3 1/2 x 3 1/2	48	3 1/2 x 3 1/2	48
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	72		50	43		50	" Tie Plates outside Hatchways	Increased in thickness			
" " in Engine and Boiler space	E-48 B-56		E-48 B-56				Deck * Iron or Steel, for whole lng.				
" " Remainder in Holds			42			42	" Wood Deck, Material & thickness				
BEAMS, Upper Deck, Single Angle, Bulb	9	3 1/2	52	9	3 1/2	52	Third Deck Stringer Plate, br'dth & thickness				
" " Angle, Plate, Tee Bulb, or Channel							Angles on ditto, No.				
" " In way of Long Bridge							" Tie Plates, outside Hatchways				
" " Spacing			26			26	Deck * Material and thickness				
BEAMS, Second Deck, Single Angle, Bulb	12	3 1/2	66	12	3 1/2	66	Fourth and Fifth Deck Stringer Plate, br'dth & thickness				
" " Angle, Plate, Tee Bulb, or Channel							" " Angles on ditto, No.				
" " Spacing			52			52	" Tie Plates outside Hatchways				
BEAMS, Third and Fourth Deck, Single Angle, Bulb							" Deck Material & thickness				
" " Angle, Plate, Tee Bulb, or Channel							Poop Deck Stringer Plate, breadth & thickness	38	30	38	30
" " Angles on upper edge							Angle on ditto	3 1/2 x 3 1/2	34	3 1/2 x 3 1/2	34
" " Spacing							" Tie Plates				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	38	8	3	38	Deck, Material and thickness	Steel		30	30
" " Angles on upper edge							Bridge Deck Stringer Plate, br'dth & thickness	55	54	55	54
" " Spacing			24			24	Angle on ditto	6 x 6	48	6 x 6	48
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	52	9	3 1/2	52	" Tie Plates				
" " Angles on upper edge							Deck, Material and thickness	Steel		40	40
" " Spacing			26			26	" " "				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	46	9	3 1/2	46	Forecastle Deck Stringer Plate, br'dth & th'kns	35	30	35	30
" " Angles on upper edge							Angle on ditto	3 1/2 x 3 1/2	34	3 1/2 x 3 1/2	34
" " Spacing			26			26	" Tie Plates	no wood sheathing			
							Deck, Material and thickness	Steel		30	30



[illegible]

EQUIPMENT No. 665,3000 & 57600				LETTER B				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 21.				Description of Anchor	Makers	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.				
24721	1st Bower ...	64	2	7	✓			50	17	2	0	63	3	0	Byers Stockless	W.L. Byers & Co	31/10/19	L. Hoffner
24826	2nd „ ...	64	1	14	✓			50	15	0	0	63	3	0	„	„	31/10/19	„
24816	3rd „ ...	54	2	21	✓			45	14	7	14	54	2	0	„	„	29/10/19	„
	4th „ ...																	
	Calcutte weight.	183	2	14								182	0	0				
32841	Stream .....	17	3	6	✓	1	22	10	16	1	0	17	2	✓	Common	Rd. Sykes & Son	11/11/19	J.C. Paul
32842	Kedge .....	7	2	18	✓	2	14	9	15	3	21	7	2	✓	„	„	„	„
Particulars of <b>Drop Test</b> of Cast Steel Anchors, viz. — Weight, Surveyor's Initials, Number of Certificate, Date of Test. 1st Bower 35.1.14 ; R.D.W. ; 26.8.19 2nd „ 35.0.14 ; „ ; 26.8.19 3rd „ 30.3.3 ; J.A. & W.C. ; 22.2.20.8.19 4th „																		
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.								
	Fathoms.	Inch.		Supplied.	Per Rule.					Fathoms.	Inch.	Material	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 31.			
12404	270	2 1/2	Q1 1/2	127 1/2	697.2.21	682.1.11	270	2 1/2	Stud link R. Sykes & Son	Sld 22.10.19	L. Hoffner	TOWLINE	Fathoms 120	Inch 5	Tons 73	Fathoms 120	Inch 5	
	90	1 1/2	Q1 1/2	42 1/2	65 1/2		90	1 1/2	S.W. Henderson Rope Works Ltd.			HAWERS & WARPS	Fathoms 90	Inch 3 1/2	Tons 15 1/2			
													Fathoms 90	Inch 3	Tons 10			
													Fathoms 220	Inch 7	Tons 220	8		
													Fathoms 220	Inch 7	Tons 220	8		
Boats 4 — 26 ft Steel lifeboats; 2 — 20 ft Wood lifeboats Pumps, Number 1 Bowson & Hand pump to Fore Peak Windlass is by Clark Chapman & Co. Ltd. Engine Room Skylights — How constructed? Steel Coal Bunker Openings — How constructed? Steel Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 5 Scuppers & 6 Freeing Ports 2'6" x 1'3" each side Ceiling in Holds, thickness and material 3" Pine under hatches Cargo Hatchways — How formed? Steel plates & angles State size No. 1 Hatch (Forward) 32'6" x 20'0" No. 2 Hatch 34'9" x 20' No. 3 Hatch 15'2" x 18'0" No. 4 Hatch 34'6" x 20' No. 5 Hatch 26'4" x 20' Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 6 in No. 3, 12 & 4; 5 in No. 5; 2 in No. 3 No. of Breasthooks 2 No. of Crutches One & Deep Roots Bulwarks, height above deck and description 3'8" Steel Plates The foregoing is a correct description. For WILLIAM GRAY & Co. (1918) Limited Builder's Signature (three only) A.W. Glashan Surveyor's Signature Thomas E. Sowden. Director. Surveyor to Lloyd's Register of Shipping.																		
Correspondence. — State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) Secretary's letters M from 21st July 1919 to M 25th Nov. 1919 Workmanship. Are the butts of plating planed or otherwise fitted? Planed & overlapped Is the riveted work properly closed? Yes Are the liners between the frames and plates solid single pieces? Plating joggled 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 overlapped? 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.) This vessel has been built in accordance with the approved plans; the Secretary's letters referred to above; and in other respects in conformity with the rules. The materials and workmanship are good. The Decks, to 4 Bulkheads and Shaft Tunnel have been hose tested and found satisfactory Cargo Batten are fitted in all Holds and Tween Decks. Steam and Auxiliary Steering Gears have been examined under working conditions and found satisfactory Wireless and Electric light installation have been supplied The vessel has been placed in Dry Dock and the bottom and rudder cleaned examined and recoated. A Print of the Midship Section is forwarded herewith.																		
Sister Vessel SS Hegonna West Hartlepool Rpt. 15648 The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.																		
The amount of Entry Fee ..... £ Special Survey Fee .... 234. 18. 8 Travelling Expenses, if any £ Fees applied for, 24/12/1919. Received by me, 30/12/1919 Certificate to be sent to West Hartlepool Date of issue 2.1.20. State whether the Vessel has been built under Special Survey Yes I am of opinion this Vessel should be Classed * 100A1 (Steel) With, or without Freeboard, as condition of Class without Committee's Minute Character assigned 100A1 Signed a 26.0 L. Hoffner Thomas E. Sowden Surveyor to Lloyd's Register of Shipping.																		



GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 49.25ft., R.Q.D. — ft., Bridge 121.33ft., Forecastle 39.25ft.

(In feet and tenths). When the Poop is joined to the R.Q.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 in the Register Book) 2 Decks (Steel)

Official No. 141936 ; Signal Letters \_\_\_\_\_ State if Machinery is fitted aft No.

How are the surfaces preserved from oxidation? Inside Portland 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,	125.66	345	Fore peak tank,	✓	✓
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	✓	✓
Double bottom, if under Engines only,	21.66	89	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	17.33	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	179.83	543	Other tanks, if fitted,	✓	✓
Total capacity of double bottom	344.48	977	(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. 2282

Date 22<sup>nd</sup> Nov 1918

No. 918 in builder's yard.

DATES OF SURVEYS held while building

1918. Dec 12. 13. 16. 17. 18. 19. 20. 23. 24. 1919. Jan 27. March 4. 14. 20. 25. 31. Apr 9. 23. May 13. 16. 22. June 13. 16. 27. July 3. 16. 25. 28. Aug 13. 25. 27. Sep 18. 19. 22. 23. 24. 25. Oct 1. 8. 15. 21. Nov 7. 17. 18. 19. 20. 25. 26. 28. Dec 3. 4. 5. 10. 11. 17. 18. 19. 23.

Surveyor's Signature

Thomas E. Sowden