

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office...

1921
1921

Date of completion of report
Survey held at West Hartlepool
On the (State if Single, Double or Triple Bottom)

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

Port of West Hartlepool

Date, First Survey 4th September 1920

Last Survey 29th December 1920

S.S. City of Glasgow (Yd No 897)

Rig Full Schooner

CLASS 100 A.1

FEET.

Master W. Hill.

Year of appointment

(1) As Master in service of
owner of present vessel:—1914
(2) As Master of this
vessel:—1920

Built at West Hartlepool

When built 1920 Launched 17-6-20

By whom built Wm Gray & Co. (1910) Ltd

Owners Ellerman (Hall) Line Ltd

Managers

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

Residence

Port belonging to Liverpool

Destined Voyage Bristol Channel If Surveyed while Building, Afloat, Yes. Dry Dock

TONNAGE under
Tonnage Deck...
Do. between Tonnage Dk. and 3rd and 4th Dk. 5085.75
Total under Upper Dk. 5085.75
Do. of Poop 12.42
Do. of R.Q.Dk. 192.92
Do. of Bridge House 29.94
Do. of Forecastle 192.92
Do. of Houses on Dk. 29.94
Do. of excess of Hatchways above Crown of Engine Room 5321.03
Gross Tonnage 5321.03
Space 35.09
Crown of Room 3165.94
FOR FEES...
Room 1702.73
ation Spaces 58.49

Tonnage 3404.72

Beam 39.1

Rule 391

BREADTH— Moulded 53

DEPTH, ACTUAL— Top of Floors to top of Upper Dk. Beams 28

No. of Decks with flat laid 2

No. of Tiers of Beams 2

Moulded depth, ft. 39 **ins.** 7

To Bridge Dk. 13 1/2 **ins.**

To Upper Dk. 31 **ins.** 5

Length 391.3 **breadth** 54.25 **depth** 28.95

FRAMING.

E, Angles, or E or L Bars amidships 10 1/2 3 1/2 60 10 1/2 3 1/2 60

in peaks 7 1/2 3 1/2 48 7 1/2 3 1/2 48

in way of Double Bottoms at Solid Floors 3 1/2 3 1/2 40 3 1/2 3 1/2 40

" " " at intermdt. Bkts. 8 3 1/2 44 8 3 1/2 44

of Frames from centre to centre amidships 30 30

" " " from 1/2 length to Collision bulkhead 27 27

" " " in peaks 24 24

ISED FRAME, Angles Bulb angle framing

in way of Double Bottoms at Solid Floors 3 1/2 3 1/2 40 3 1/2 3 1/2 40

" " " at intermdt. Bkts. 7 1/2 3 42 7 1/2 3 42

ING, depth of girder 10 1/2 10 1/2

RS, depth and thickness of Floor Plate Cellular Double Bottom

at mid-line for 1/2 length amidships ES 40 BS 60 ES 40 BS 60

in way of Engine and Boiler Spaces ES 40 BS 60 ES 40 BS 60

thickness at the ends of vessel 43 40 43 40

depth at 1/2 the half breadth, as per Rule 43 40 43 40

height extended at the Bilges 43 40 43 40

RS in Cell. Double Bottoms 43 40 43 40

state if flanged (top & bottom) No No

Spacing of Solid floors 30" x 60" 30" x 60"

BE GIRDER, in Dbl. bottom, dpth. & thcknss. 43 50 43 50

" Angles, Top 3 1/2 3 1/2 50 3 1/2 3 1/2 50

" " Bottom 4 1/2 4 1/2 60 4 1/2 4 1/2 60

" " to Floors 3 1/2 3 1/2 40 3 1/2 3 1/2 40

Brackets at intermdt. frmg., wdth & thcknss 36 42 36 42

GIRDERS, number on each side & thickness Two 40 Two 40

" state if flanged (top and bottom) No No

" Angles (top and bottom) 3 1/2 3 1/2 40 3 1/2 3 1/2 40

" " to Floors 3 3 40 3 3 40

IN PLATE, depth (exclusive of flange) 36 1/2 50 36 1/2 50

" Angle to Outside Plating 4 4 48 4 4 48

" " Floors 3 1/2 3 1/2 40 3 1/2 3 1/2 40

Brackets at intermdt. frmg., wdth & thcknss 36 42 36 42

Height of Outside Brackets above at bilge 25 25

BOTTOM PLATING, breadth and thickness of Middle Line Strake 43 50 43 50

" " in Engine and Boiler space ES 52 BS 66 ES 52 BS 66

" " Remainder in Holds 50 50

Upper Deck, Single Angle, Bulb 8 1/2 3 44 8 1/2 3 44

Angle, Plate, Tee Bulb, or Channel " " " "

In way of Long Bridge " " " "

Spacing 30 30

S, Second Deck, Single Angle, Bulb 9 1/2 3 1/2 50 9 1/2 3 1/2 50

Angle, Plate, Tee Bulb, or Channel " " " "

Spacing 30 30

S, 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 7 1/2 3 40 7 1/2 3 40

" Angles on upper edge " " " "

" Spacing 24" x 30" 24" x 30"

BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel 8 1/2 3 42 8 1/2 3 42

" Angles on upper edge " " " "

" Spacing 30 30

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel 8 3 42 8 3 42

" Angles on upper edge " " " "

" Spacing 27 27

PILLARS.

PILLARS, In 'tween Deck, size and spacing

" " Hold " "

" " Quarter 'tween Dks., " "

" " in Hold " "

KEELSONS & STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above

floors, Through Plate, or Intercoastal Plate

" Rider Plate " "

" Flat Plate Keel Angles " "

" Horizontal Plates on Floors " "

" Angles or Bulb Angles " "

SIDE KEELSONS, Number " "

" Angles or Bulb Angles " "

" Plate above floors, for length " "

" Intercoastal Plate, for length " "

" Attached to outside Plating with Angle " "

BILGE KEELSON, Angles " "

" Intercoastal Plate for length " "

" Attached to outside Plating with Angle " "

SIDE STRINGERS, Number " "

" " Angle " "

" Intercoastal Plate, for length " "

" Attached to outside plating with Angle " "

Upper Deck Stringer Plate, br'dth & thickness 75 62 75 62

" " " (clear of Bridge) " 48 " 48

" " " br'dth & thickness (in way of Bridge) 6 x 6 60 6 x 6 60

" " " Angle (clear of Bridge) Increased in thickness

" " Tie Plate at sides of Hatchways " " " "

" Deck, * Iron or Steel, for whole lng. " " " "

" " Thickness (clear of Bridge) 48 48 48 48

" " (in way of Bridge) 42 42 42 42

" Wood Deck. Material & thickness " " " "

Second Deck Stringer Plate, br'dth & thickness 70 44 70 44

" Angles on ditto, No. two Shell 3 1/2 x 3 1/2 48 3 1/2 x 3 1/2 48

" Tie Plates outside Hatchways Increased in thickness

" Deck, * Iron or Steel, for whole 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 35 34 35 34

" Angle on ditto 3 1/2 x 3 1/2 34 3 1/2 x 3 1/2 34

" Tie Plates " " " "

" Deck. Material and thickness Steel 34 34 34

Bridge Deck Stringer Plate, br'dth & thickness 72 52 72 52

" Angle on ditto 4 1/2 x 4 1/2 60 4 1/2 x 4 1/2 60

" Tie Plates " " " "

" Deck. Material and thickness Steel 42 42 42

Forecastle Deck Stringer Plate, br'dth & th'kns 35 34 35 34

" Angle on ditto 3 1/2 x 3 1/2 34 3 1/2 x 3 1/2 34

" Tie Plates " " " "

" Deck. Material and thickness Steel 34 34 34

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

Mechanical Tests by G.E. Healy & C.E. Wilks.

[illegible]

EQUIPMENT No. 36019						LETTER X						ANCHORS.						TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS					
Number of Certificate.		Anchors.		Weight, Ex. Stock.		Weight of Head.		Test, per Certificate.		Weight required by Table 31.		Description of Anchor.		Makers.		Where and when tested and Superintendent.							
Certs.	Lbs.	Certs.	Lbs.	Certs.	Lbs.	Tons.	Qrs.	Lbs.	Certs.	Qrs.	Lbs.	Certs.	Qrs.	Lbs.	Certs.	Qrs.	Lbs.						
25897.	1st Bower ...	64	1	14	35	3	0	50	15	0	0	G24	3	0	Byers Stockless	To L Byers Ltd	18/20	L.Haffner					
25534	2nd " "	64	1	0	35	0	14	50	12	2	0	G3	3	0	"	"	16/20	"					
25827	3rd " "	54	1	7	30	0	7	44	19	2	21	S4	2	21	"	"	12/20	"					
	4th " "																						
	Collective weight.	182	3	21								182	0	0									
26619	Stream	17	2	22	4	3	6	18	16	1	0	17	2	0	Ordinary	Not Stated	Gr H 13/20	J.C.Paul					
23620	Kedge.....	7	2	12	2	0	0	9	15	3	21	7	2	0	"	"	"	"					

CHAIN CABLES.										HAWSERS AND WARPS.														
Number of Certificate.		Length and size supplied.		Test per Certificate.		Weight of Chain Cable Supplied.		Length and Size per Table 31.		Description.		Makers of Cables.		Where and when tested, and Superintendent.		Material.		Length and Size supplied.		Breaking Test of Steel Wire Towline.		Length and Size per Table 31.		
Fathoms.	Inches.	Tons.	Qrs.	Lbs.	Certs.	Qrs.	Lbs.	Fathoms.	Inches.	Tons.	Qrs.	Lbs.	Fathoms.	Inches.	Tons.	Qrs.	Lbs.	Fathoms.	Inches.	Tons.	Qrs.	Lbs.	Fathoms.	Inches.
13474	240	2 1/2	9 1/8	127 1/2	SHACKLES 7. 1-11 1/2	16 Jaws	16 Jaws	240	2 1/2	Stud Link	Bloomers & Co	Hawes Walker	23/5/20	A Green	TOWLINE	FATHOMS 120	5	13	120	5				
"	2 1/2	9 1/8						90	4 1/4	Ribbed Haggie	New	19/5/20												

Boats 4-24 ft lifeboats ; 1-20 ft Bug ; 1-20 ft Dinghy Steering Gear, Steam f Hastie & Co Steering Gear, Hand Jackle to winch
Pumps, Number 1 Downon Pump Diameter of Barrel 4" State whether they are in efficient working order Yes
Windlass is Clarke Chapman & Co Capstan ✓
Engine Room Skylights.—How constructed ? Steel What arrangements for deadlights in bad weather ? Steel flaps & bullet eyes
Coal Bunker Openings.—How constructed ? " How are lids secured ? Cleats & battens Height above deck ? 31"
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 6 Scuppers & 3 Freeing Ports 22 1/2 x 1-3" & 12 2-8 x 1-4"
Ceiling in Holds, thickness and material Link top increased in lieu Cargo Battens, thickness and material 6x2 Pine ✓
Cargo Hatchways.—How formed ? Steel plates & angles. Hatches, If strong and efficient ? Yes.
State size No. 1 Hatch (Forward) 24-9 x 16-0 ✓ No. 2 Hatch 30-1 x 16-2 ✓ No. 3 Hatch 17-7 x 16-1 ✓ No. 4 Hatch 27-6 x 16-1 ✓
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 4 in N° 1 & 5; 5 in N° 2 & 4; 3 in N° 3. N° 5 - 24-0 x 16-2 ✓
No. of Breasthooks Six No. of Crutches One & deep floors.
Bulwarks, height above deck and description 4-3; 5/8 Steel Plates Main Rail, material and size 6 1/2 x 3 x 40 BA.
The foregoing is a correct description. LIAM GRAY & Co. (1918) Limited Surveyor's Signature Thomas E. Sowden
Builder's Signature (here only) T.W. Glashan 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 9-10-19 to 8/10/20 & F 11-5-20 to 18-10-20
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 facing surfaces? Yes
Do any rivets break into or through the seams or butts of the plating? A very few.
Are the butts of Plating, Stringers, &c., properly shifted and staggered? 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 as above and in other respects in conformity with the rules. The materials and workmanship are good.
The vessel has been placed in Dry Dock the bottom and rudder cleaned, examined and recoated.
The W.Y. Bulkheads and shaft tunnel and cargo have been hose tested and found satisfactory and the ash shoot tested under water pressure.
The vessel is fitted with wireless telegraphy and electric light installation and the tween decks have been insulated as approved. (See special report)
Nos 12, 3 & 6 Y 48 Double Bottom tanks have been tested to the required pressure for carrying oil-fuel.
Cargo battens are fitted vertically except in Nos Hold.
A copy of owners letter agreeing to omission of ceiling on tank top is attached.
This vessel is a Sister vessel to the S.S. City of Birmingham West Hartlepool Report No 15409
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 £ 5 : : Fees applied for, 19.
Special Survey Fee £ 154 : 3 : Received by me. 12-1-19 2/66
Travelling Expenses, if any £ : :
State whether the Vessel has been built under Special Survey Yes
I am of opinion this Vessel should be Classed * 100A1 (STEEL) FITTED FOR OIL FUEL
With, or without Freeboard, as condition of Class Without F.P ABOVE 150°F
Thomas E. Sowden.
Surveyor to Lloyd's Register of Shipping.

Committee's Minute
Character assigned 100A1
Lined as & C.O.
Lined for oil fuel 12.20
+ P.O. above 150°F.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 84.25 ft., R.Q.D. ☒ ft., Bridge 274.25 ft., Forecastle Forecastle combined
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated
The Bridge and Forecastle are combined

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) 2 Decks (Steel)
Official No. 143,700; Signal Letters ☒ State if Machinery is fitted aft No
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.	OIL.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	399	135-0	456	Fore peak tank,		
Double bottom, under Engines and Boilers,				After peak tank,		
Double bottom, if under Engines only,		25-0	111	Deep tank, aft,	25-0	64
Double bottom, if under Boilers only,		20-0	89	Deep tank, forward,		
Double bottom, forward,	513	161-9	587	Other tanks, if fitted,		
		Total capacity of double bottom	1243	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. 341 - 91

State whether the above have been tested as required by the Rules Yes

Order for Special Survey No. 2267

Date 30th May 1919

No. 897 in builder's yard.

DAYS of Surveys held while building

1919. Sep. 4. 17. 18. 24 Oct. 1. 8. 15. Nov. 7. 17. Dec. 3. 1920. Jan. 15. Feb. 3. 5. 14. 19. 25. Mar. 24. Apr. 9. 10. 23. 28. May 4. 7. 11. 13. 17. 19. 28. June 4. 17. 29. July 2. 7. 13. 16. 22. 28. 29. Aug. 9. 18. 19. 24. 27. 31. Sep. 3. 8. 10. 13. 16. 21. 29. 30. Oct. 4. 5. 8. 11. 12. 18. 25. 29. Nov. 1. 3. 5. 11. 16. 19. 22. 30. Dec. 2. 6. 9. 13. 18. 20. 21. 29.

Total No. of Visits 8

Surveyor's Signature Thomas E. Sowden.