

STEEL STEAMER or MOTORSHIP.

WRECK BOX

No. 54 Top

Received at London Office

1924

State if Report has been sent on the Freeboard of the Vessel *Yes (No. 12048)*State if Report is sent on the Machinery of the Vessel *Yes*of completion of report *14th September 1924*Port of *Middlebrough*No. *12046*held at *Middlebrough*Date First Survey *4th April 1924*Last Survey *3rd September*

1924

Type (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Single Screw "HARTLEY"

Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Full Scantling

State Type of Erections

Poop Bridge & Forecastle

Tonnage under Tonnage Deck

1853.11

CLASS

100A.1

State if with freeboard as condition of Class

without

Built at

Middlebrough

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 279.5

Breadth (greatest moulded)

B 41.25

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 22.25

1st Longitudinal Number (L x D)

= 6218

2nd Numeral L x (B + D)

= 17748

Framing Depth "d" at middle of length. See Sec. 3 (1d)

18.11

Proportions—Depth to Length—Uppermost continuous deck to top of keel

12.6

Do. Long Bridge to top of keel

19.3 1/4

Braught Moulded

19.3 1/4

Launched

July 31st 1924

Yard No.

797

Builders

Messrs Smiths Dock Co. Ltd

Owners

The Hartley Steamship Co. Ltd

Managers

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

Residence *5 Quayside Newcastle on Tyne*

Port of Registry

Newcastle

If surveyed while building afloat, or in dry dock

Yes

FRAMES, DOUBLE BOTTOM AND BEAMS.

| | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. | | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. |
|---|---|--|--|---------------------|--|
| FRAMES, Spacing amidships | 26 1/2 | | Bracket Floors, Frame | 7 1/2 3 1/2 37 | |
| " " from 1/2 length to Collision bulkhead | 26 1/2 | | " " Reversed Frame | 7 3 1/2 37 | 3" Flange increased to 3 1/2 |
| " " in peaks | 24 | | " " Vertical Struts | 7 3 1/2 37 | |
| FRAMING. | | | Centre Girder, depth and thickness amidships | 35 1/2 x .45 37 | |
| Frame Amidships, Angle, E or F | 9 1/2 3 1/2 .46 | .52 BS + A Bunkers. | " " top Angles | 3 3 .42 | |
| " " Extends up to | Upper Bridge Deck | | " " bottom Angles | 3 1/2 3 1/2 .47 | |
| Reversed Frame Amidships, Angle | | | Side Girders, No. each side and thickness | 1 @ side .34 .44 BS | |
| " " Extends up to | | | Margin Plate depth (excl. of flange) and thickness | 75 x .48 | |
| Depth of Framing Girder | 9 1/2 | | " " Vertical Angle to Tank side | .40 BS | |
| Frames in Uppermost Continuous 'tween Decks, Angle, E or F | | | Bracket abaft 1/2 len. from stem | | |
| " " Second 'tween Decks, Angle, E or F | | | " " Vertical Angle to Tank side | | |
| " " Third " " " " | | | Bracket forward 1/2 len. from stem | | |
| Framing in Peaks, Angle or F | 6 3 .32 | | Gussets, spacing and scantling abaft 1/2 len. from stem | | |
| Diameter and Spacing of Rivets through Shell Plating | 7/8 dia. 5 1/2 pitch | | " " Gussets, spacing and scantling forward 1/2 len. from stem | | |
| State if Frame Joggled | No | | Tank Side Brackets, height above base line at toe of Frame and thickness | 66 x .34 .44 BS | |
| FRAMING ARRANGEMENTS (Sec. 7), state system and particulars | 2 Stringers 108 to stem 38 x 36 - 30 + 2 76 x 21 x .42 on 111 x 115 web 100 to 111 + 52 | | INNER BOTTOM PLATING. | | |
| STRENGTHENING OF BOTTOM FOR FORWARD. State Particulars | Stringers 5 x 6 x 3/4 100 to 111 + 52 | | Breadth and thickness of Middle Line Strake | 54 1/2 x .55 | + 9 with 1/2 + 1 1/4 |
| DOUBLE BOTTOM. | | | Thickness of remainder in Holds | .53 | .58 BS + 1 1/4 |
| Floors, Depth and thickness at mid-line in Holds | | | Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room? | Yes | |
| Height of Brackets at side above base line at toe of frame | | | BEAMS. | | |
| Middle Line Keelson, on Floors, Angles, E or F | | | Uppermost Continuous Deck, amidships | 8 3 .36 | |
| " " Through Plate or Intercoastal Plate | | | " " in Wells, Angle, E or F | | |
| " " Foundation Plate on Floors | | | " " in way of Bridge, Angle, E or F | 6 3 .38 | |
| " " Flat Plate Keel Angles | | | Spacing | Every Frame | |
| Keelsons, No. each side | | | Second Deck, amidships, Angle, E or F | | |
| " " thickness of Intercoastal Plate | | | Spacing | | |
| " " Angles | | | Third Deck, amidships, Angle, E or F | | |
| DOUBLE BOTTOM. | | | Spacing | | |
| Mid Floors, thickness and spacing | .34 .47 BS = 6 1/2 | | Fourth Deck, amidships, Angle, E or F | | |
| " " Are Frame and Reversed Frame joggled? | No | | Spacing | | |
| Bracket Floors, breadth and thickness at middle line | 27 x .34 .47 BS | | Poop Deck, Angle, E or F | 6 3 .38 | |
| " " breadth and thickness at margin plate | 42 x .34 .47 BS | | Spacing | Alternate | |
| | | | Bridge Deck, Angle, E or F | 7 3 .34 | |
| | | | Spacing | 6 3 .36 | |
| | | | Forecastle Deck, Angle, E or F | 8 1/2 3 .46 | |
| | | | Spacing | Alternate | |

PILLARS AND DECKS.

| | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. | | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. |
|---|-----------------|--|---|---|--|
| PILLARS , No. of Rows.... | | | Stringer Plate, breadth and thickness in way of Bridge | | |
| „ in 'tween Decks, Size and Spacing..... | | | Thickness of Plating abreast Deck openings in way of Wells | | |
| „ „ „ „ „ | | | Thickness of Plating abreast Deck openings in way of Bridge | | |
| „ in Holds „ „ | | | If Sheathed, material and thickness | | |
| „ „ „ „ „ | | | Third Deck. | | |
| Centre Line Bulkhead. | | | Stringer Plate, breadth and thickness..... | | |
| Stiffeners and Spacing..... | | | If Plated, state thickness..... | | |
| Plating, thickness of | | | Fourth Deck. | | |
| STRINGERS AND DECKS. | | | Stringer Plate, breadth and thickness..... | | |
| Uppermost Continuous Deck. | | | If Plated, state thickness | | |
| Stringer Plate, breadth and thickness in Wells | 71 x 81 - 44 ✓ | | Poop Deck. | | |
| „ „ „ „ in way of Bridge | 71 x 90 - 38 ✓ | | Stringer Plate, breadth and thickness | 27 x 34 ✓ + .03 | |
| „ Angle in Wells | 6 6 58 ✓ | | Plating, Sheathing, material and thickness ... | 34 where exposed x 30 sheathed 5 x 2 1/2 P.P. ✓ | |
| Thickness of Plating abreast Deck openings in way of Wells | | | Bridge Deck. | | |
| Thickness of Plating abreast Deck openings in way of Bridge | 30 ✓ | | Stringer Plate, breadth and thickness..... | 44 x 40 ✓ | |
| If Sheathed, material and thickness | | | Plating, Sheathing, material and thickness ... | 30 sheathed 5 x 2 1/2 P.P. ✓ | |
| Second Deck. | | | Forecastle Deck. | | |
| Stringer Plate, breadth and thickness in Wells... | | | Stringer Plate, breadth and thickness..... | 27 x 34 ✓ + .02 | |
| | | | Plating, Sheathing, material and thickness ... | 34 ✓ + .94 not sheathed. | |

SHELL PLATING.

| SCANTLINGS. | | | | | RIVETING. | | | | | | | |
|---|---------------|-------------------------------|--------------------------|--------------------------|--|--|------------------------------|----------------------------|---------------------------|------------------|-----------------------|--|
| STRAKES. | AS IN VESSEL. | | | | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES. State if jogged? <i>yes. ✓</i> | | | BUTTS. | | | |
| | AMIDSHIPS. | | FORWARD. | AFT. | | SINGLE OR DOUBLE. | RIVETS. | | NO. OF ROWS OF RIVETS. | RIVETS. | | STRAPPED OR LAPPED. |
| | Breadth. | Thickness. | Thickness. | Thickness. | | | Diam. | Spacing cr. to cr. | | Diam. | Spacing cr. to cr. | |
| | Inches. | Inches. | Inches. | Inches. | | | Inches. | Inches. | | Inches. | Inches. | |
| FLAT PLATE KEEL | <i>45</i> | <i>.59</i> | <i>.55</i> | <i>.55</i> | | <i>Double</i> | <i>7/8</i> | <i>3 1/2</i> | <i>3</i> | <i>7/8</i> | <i>3 1/8</i> | <i>Lapped</i> |
| „ DBLG. (if any) | | | | | | | | | | | | |
| BOTTOM PLATING, No. of Strakes <i>3</i> | | <i>.50</i> | <i>.40</i> | <i>.42</i> <i>.42</i> | | <i>Double</i> | <i>7/8</i> | <i>3 1/2</i> | <i>3</i> | <i>7/8 x 3/4</i> | <i>3 1/8 x 2 5/8</i> | <i>Lapped</i> |
| BILGE PLATING, No. of Strakes <i>1</i> | | <i>.51</i> | <i>.42</i> | <i>.44</i> | | | <i>3/4</i> | <i>3</i> | <i>3</i> | <i>7/8 x 3/4</i> | <i>3 1/8 x 2 5/8</i> | |
| SIDE PLATING, No. of Strakes <i>3</i> | | <i>.50</i> | <i>.40</i> <i>.40</i> | <i>.42</i> <i>.40</i> | | | <i>7/8 x 3/4</i> | <i>3 1/2 x 3</i> | <i>3</i> | <i>3/4</i> | <i>2 5/8</i> | |
| UPPER DECK, Sheer-strake in Wells..... | <i>48</i> | <i>.60</i> | <i>.40</i> | <i>.40</i> | | | <i>1-3/8</i> <i>x 3/4</i> | <i>4-3/2</i> <i>x 3</i> | <i>3</i> | <i>7/8 x 3/4</i> | <i>3 1/8 x 2 5/8</i> | |
| UPPER DECK, Sheer-strake in Bridge ... | <i>48</i> | <i>.90 Ends</i> <i>.50</i> | | | | | <i>1 x 3/4</i> | <i>4 x 3</i> | <i>3</i> | <i>1</i> | <i>3 1/2</i> | |
| STRAKE BELOW Sheer-strake in Wells..... | | <i>.57</i> | <i>.40</i> | <i>.40</i> | | | <i>7/8 x 3/4</i> | <i>3 1/2 x 3</i> | <i>3</i> | <i>3/4</i> | <i>2 5/8</i> | |
| STRAKE BELOW Sheer-strake in Bridge ... | | <i>.50</i> | | | | | <i>1 x 3/4</i> | <i>4 x 3</i> | <i>3</i> | <i>3/4</i> | <i>2 5/8</i> | |
| POOP SIDE PLATING | | | | <i>.33</i> | | <i>Single</i> | <i>3/4</i> | <i>3</i> | <i>2</i> | <i>3/4</i> | <i>2 5/8</i> | |
| BRIDGE SIDE PLATING ... | | <i>.54</i> | | | | | <i>7/8</i> | <i>3 1/2</i> | <i>2</i> | <i>7/8</i> | <i>3 1/8</i> | <i>2 angles 6 x 3 1/2 x .165</i> <i>spaced 1 1/2 apart in way</i> <i>of overlaps</i> |
| FOREC'TLE SIDE PLATING | | | <i>.35</i> | | | | <i>3/4</i> | <i>3</i> | <i>2</i> | <i>3/4</i> | <i>2 5/8</i> | |

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

[illegible]

| EQUIPMENT No. 18578 | | | | | | | | | | | | LETTER S | | ANCHORS. | |
|------------------------|--------------------|--------------------|------|------|------------------|------|------|------------------------|-------|------|------------------------------|----------|--|------------------|---|
| Number of Certificate. | Anchors. | WEIGHT, EX. STOCK. | | | WEIGHT OF STOCK. | | | TEST, PER CERTIFICATE. | | | WEIGHT REQUIRED BY TABLE 53. | | Description of Anchor. | Makers. | Where and when tested and Superintendent. |
| | | Cwts. | qrs. | lbs. | Cwts. | qrs. | lbs. | Tons. | cwts. | qrs. | lbs. | Cwts. | | | |
| 86877 | 1st Bower | 39 | 2 | 0 | 26 | 1 | 16 | 35 | 8 | 3 | 0 | 38-3-0 | Northrop (Charleston) forged N. Hingley & Sons | L.P.H.N. 16.5.24 | H. Green |
| 86878 | 2nd " | 38 | 0 | 2 | 26 | 0 | 13 | 34 | 11 | 2 | 7 | 38-3-0 | " | " | " |
| 86879 | 3rd " | 32 | 3 | 2 | 21 | 1 | 1 | 30 | 15 | 2 | 14 | 32-2-0 | " | " | " |
| | Collective weight. | 110 | 1 | 4 | | | | | | | | 110-0-0 | | | |
| 86884 | Stream | 10 | 0 | 6 | 2 | 2 | 16 | 12 | 2 | 0 | 21 | 10-0-0 | Ordinary | " | 14-5-24 |

| CHAIN CABLES. | | | | | | | | | | | | HAWSERS AND WARPS. | | | | | | | |
|----------------------------------|---------------------------|--------|-----------------------|------------|------------------------|------|-----------|-------|-------------------------------|--------|--------------|--------------------|--|-----------|---------------------------|-------|------------------------------|-------------------------------|-------|
| Number of Certificate. | Length and size supplied. | | Test per Certificate. | | WEIGHT OF CHAIN CABLE. | | | | Length and Size per Table 53. | | Description. | Makers of Cables. | Where and when tested, and Superintendent. | Material. | Length and Size supplied. | | Breaking Test of Steel Wire. | Length and Size per Table 53. | |
| | Length. | Diam. | Statu-ry. | Break-ing. | Supplied. | | Per Rule. | | Length. | Diam. | | | | | Length. | Ins. | | Length. | Ins. |
| | Fathoms. | Ins. | Tons. | Tons. | Cwts. | qrs. | lbs. | Cwts. | Fathoms. | Ins. | | | | | Fathoms. | Ins. | Tons. | Fathoms. | Ins. |
| 75545 | 120 | 1 1/16 | 59 1/8 | 52 3/4 | 201-0-21 | | 397-3-0 | | 240 | 1 3/16 | Studlink | N. Hingley & Sons | L.P.H.N. 6.5.24 H. Green | TOWLINE | 90 | 4 | 33 | 90 | 4 |
| 75546 | 120 | 1 1/16 | 59 1/8 | 52 3/4 | 201-1-5 | | | | 240 | 1 3/16 | " | " | " | " | HAWSERS & WARPS | 2090 | 2 1/2 | 12 1/2 | 2090 |
| Iron Stream Chain- Steel Wire | | Ins. | | | 402-1-36 | | | | | Ins. | | | | " | 2090 | 2 1/4 | 9 1/2 | 2090 | 2 1/4 |
| | 75 | 4 1/4 | | 35 | | | | | 75 | 4 1/4 | | | | " | | | | | |

Steering Gear, Steam *Donkin (vertical)* Steering Gear, Hand *Yes. (Westmoor Eng^g - 6.0)*

Boats *2 Lifeboats 22'0" 1 Dinghy 16'0"* Steering Chains, Size and Test *1' dia² test 13.4.0.0* Windlass *Emmerson Walker.*

Ceiling in Holds, thickness and material *Deck Top increased in lieu of* Cargo Battens, thickness, material and spacing *None fitted*

Cargo Hatchways.-(Upper Deck) *Sheet plates & angles* Thickness of Hatches *3' N. Pine.*

Size of No. 1 Hatchway (Forward) *30'11" x 22'0" / 28'4"* No. 2 *31'7 1/2" x 28'4"* No. 3 *30'11" x 28'4"* No. 4 *35'4" x 22'0" / 28'4"* No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters *N-1 = 5 Hcls, N-2 = 5 Hcls, N-3 = 5 Hcls, N-4 = 6 Hcls.*

FOR SMITH'S DOCK COMPANY, L^d

Builder's Signature *Jwbairns* Shipyard Manager.

GENERAL DECLARATION *This vessel has been built in accordance with the approved plans & the Revised Rules & Regulations of the Society for the class contemplated also the Secretary's letters from Jan^{ry} 4th to Sept^{br} 3rd 1924.*

The Workmanship & Materials are good.

The assigned Freeboard has been cut in on the vessel's side & verified

All the Double Bottom Tanks & Peak Tanks tested under water pressure; The Weather Decks, Bulkheads & Tunnel have been hose tested & found satisfactory. N.T. Door & pump tried & found satisfactory. Steam Steering Gear & connections, Windlass & Winches tested under steam & found satisfactory.

A letter has been received from the Builders stating that the consent of the Owners has been received to the vessel being built under the Revised Rules.

2 Forging certificates & 6 Approved plans are attached herewith (see back of report) & it is requested that the approved plans be returned for reference for sister vessels.

Plans of Midship Section & Profile of vessel as built are also attached.

The amount of Entry Fee £ *6 : 0 : 0* Fees applied for, *14.2.1924*

Special Survey Fee £ *182 : 7 : 0* I am of opinion the Vessel should be Classed ☒ 100A.1.

Freeboard Travelling Expenses, if any £ *7 : 0 : 0* Received by me, *27.9.24*

State whether the Vessel has been built under Special Survey *Yes.* Signature *H.A. Brydon.*

Certificate to be sent to *Middleton* Date of issue *30/9/24.* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 26 SEP 1924*

Character assigned *100A.1*

Cargo batten not fitted.

Lloyd's at 6.0

+ Lm. 6.9.24

C.L.

my

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W553-000342

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

Approved Plans :-

Midship Section, Profile & Decks, Stern Frame & Rudder, Pumping Plan, Outline Rigging Plan, Stiffening in way of Masts & Winches in way of Raised St. Plan of Stiffening of No 76 B Head Forwarded with our report No 12049 still in London Office. Plan of Strengthening double bottom forward was forwarded to London on Sept 16th 1924.

This vessel is practically a sister ship to S.S. Stelling (MOB report No 12049).

Particulars of Drop Test of Cast Steel Anchors, viz. :—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower
2nd "
3rd "

24-0-7 D.O.W 4103 tested 19-10-20.
23-2-27 K.H. 2869 " 11-4-24.
19-1-0 D.O.W 4665 " 12-4-21.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 27.05 ft., R.Q.D. 8 ft., Bridge 48.58 ft., Forecastle 26.49 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book)

1st Deck

Official No. 148090 ; Signal Letters

If bottom of Vessel has been coated Inside

Yes

particulars of composition

Paint, Cement & Bitumastic Solution.

PARTICULARS OF WATER BALLAST.—

| Where Fitted. | *Length. Feet. | Water Capacity. Tons. | Where Fitted. | *Length. Feet. | Water Capac Tons. |
|---|---------------------------------|--------------------------|--|-------------------|----------------------|
| Double bottom, aft, | 92-9 | 250 | Fore peak tank, | 21-0 | 169 |
| Double bottom, under Engines and Boilers, | | | After peak tank, | 22-0 | 117 |
| Double bottom, if under Engines only, | 17-8 | 56 | Deep tank, aft, | | |
| Double bottom, if under Boilers only, | 17-8 | 56 | Deep tank, forward, | | |
| Double bottom, forward, | 106-0 | 282 | Other tanks, if fitted, | | |
| | Total capacity of double bottom | 644 | (If necessary, furnish further information by sketch.) | | |

* The walls are not to be included in the lengths of the tanks.

Order for Special Survey No. 1385

Date

24-2-24

Dates of Surveys held while building

1924 Apr. 2. 8. 10. 11. 15. 16. 17. 24. 25. 29. May. 1. 2. 3. 7. 12. 15. 16. 19. 20. 22. 23. 24. 28. 30.
June 2. 4. 11. 12. 13. 16. 18. 23. 25. 30 July. 1. 3. 4. 7. 9. 14. 16. 18. 21. 23. 28. 30 Aug. 7. 11. 13. 14. 15.
26. 27. 29. Sep 1. 2. 3.

Total No. of Visits

58