

STEEL STEAMER

RECEIVED

Received at London Office

APR 22 1940

23 JUL 1940

State if Report has been sent on the Freeboard of the Vessel No

State if Report is sent on the Machinery of the Vessel No

Date of completion of report

April 1, 1940

Port of New York

No.

40028

at New York

Date First Survey

and

Last Survey 18th March

19 40

Machinery fitted Aft and

Single Screw

"TENNESSEAN"

Full Scantling, Complete Superstructure

Complete superstructure without tonnage opening

State Type of Erections Poop & forecastle

der 5976

CLASS 100 A1 contemplated

State if with freeboard as condition of Class

Built at Seattle, Washington

spaces

Length from fore part of stem to after part of stern

L 402"

Launched 1919

Yard No. 58

6379

Breadth (greatest moulded)

B 54.5

Builders Skinner & Eddy Corp.

4017

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

D 34.5

Owners British Ministry of Shipping

ED DIMENSIONS

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

11.65

Managers Runciman (London) Ltd.

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

402.6

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

11.65

Residence

Port of Registry London

54.8

Do. Long Bridge to top of keel

If surveyed while building, afloat, or in dry dock

32.1

Draught Moulded

dry dock

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. |
|---|---------------------|--|--|---------------------------|--|
| ing amidships | See Rpt. 1* | | Bracket Floors, Frame | - | |
| from $\frac{3}{4}$ length amidships to Collision bulkhead | - | | " " Reversed Frame | - | none |
| in peaks | 24" | | " " Vertical Struts | - | |
| ips, Angle, [or [| - | | Centre Girder, depth and thickness amidships | 43" x 50" | |
| Extends up to | - | | " " top Angles | 3 1/2" x 3 1/2" x 11.1 lb | 13.6 lb. x 6.5. |
| ne Amidships, Angle | - | | " " bottom Angles | 5" x 5" x 18.1 lb | |
| " Extends up to | - | | Side Girders, No. each side and thickness | one 38" | |
| ning Girder | - | | Margin Plate depth (excl. of flange) and thickness | - | |
| permost Continuous 'tween | See Rpt. 1* | | " " Vertical Angle to Tank side | - | |
| Decks, Angle, [or [| - | | Bracket abaft 1/4 len. from stem | - | |
| ond 'tween Decks, Angle, [or [| - | | " " Vertical Angle to Tank side | - | |
| d " " " " | - | | Bracket from forward 1/4 len. from stem to Panting Area | - | None |
| en. for'd. to 15% len. from | 6" x 3 1/2" x 11.7 | 1939-40 Rules 6 x 3 x 44 | " " Gussets, spacing and scantling abaft 1/4 len. from stem | - | |
| em | 3 1/2" x 3" x 7.9 | 3 1/2 x 3 x 40 | " " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area | - | |
| s, Angle | 38 | | Tank Side Brackets, height above base line at toe of Frame and thickness | - | |
| Spacing of Rivets through | - | | INNER BOTTOM PLATING. | | |
| me and Shell Plating amid- | - | | Breadth and thickness of Middle Line Strake | 43" x 50" x 56 lb BS. | |
| gs | - | | Thickness of remainder in Holds | 40" x 36" x 48 lb BS. | |
| Joggled | No | | 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. | |
| gs and arrangements in the | - | | BEAMS. | | |
| ed? | - | | Uppermost Continuous Deck, amidships | See Rpt. 1* | |
| gs and arrangements in way | - | | " " in Wells, Angle, [or [| - | |
| Forward in accordance with | - | | " " in way of Bridge, Angle, [or [| - | |
| as approved? | - | | Spacing | - | |
| L. | - | | Second Deck, amidships, Angle, [or [| - | |
| nd thickness at mid-line in | - | | Spacing | - | |
| of Brackets at side above | - | | Third Deck, amidships, Angle, [or [| - | |
| ne at toe of frame | - | | Spacing | - | |
| elson, on Floors, Angles, | - | | Fourth Deck, amidships, Angle, [or [| - | |
| [or [| - | | Spacing | - | |
| " Through Plate or | - | | Poop Deck, Angle, [or [| - | |
| Intercoastal Plate | - | | Spacing | - | |
| " Foundation Plate on | - | | Bridge Deck, Angle, [or [| - | |
| Floors | - | | Spacing | - | |
| " Flat Plate Keel Angles | - | | Forecastle Deck, Angle, [or [| - | |
| ons, No. each side | - | | Spacing | - | |
| " " thickness of Intercoastal Plate | - | | | | |
| " " Angles | - | | | | |
| DOUBLE BOTTOM. | | | | | |
| Solid Floors, thickness and spacing | 44 to 36 10' to 11' | | | | |
| " " Are Frame and Reversed Frame joggled? | no. | | | | |
| Bracket Floors, breadth and thickness at middle line | none | | | | |
| " " breadth and thickness at | none | | | | |

005047-005055-0160 (1/13)

PILLARS AND DECKS.

| | INCHES IN SHIP. | Any Departure from Approved Plans to be Noted. | INCHES IN SHIP. | Any App |
|---|-----------------|--|-----------------|---------|
| PILLARS, No. of Rows..... | | | | |
| in 'tween Decks, Size and Spacing..... | 6-3/4 at Cr. | ✓ 65 on mid sect | | |
| " " " " " " | 9" at Sides | ✓ 85 on " " | | |
| in Holds " " | 12-3/4 at Cr. | ✓ | | |
| " " " " " " | 16" at Sides | ✓ | | |
| Centre Line Bulkhead. | | | | |
| Stiffeners and Spacing..... | - | | | |
| Plating, thickness of | - | | | |
| STRINGERS AND DECKS. | | | | |
| Uppermost Continuous Deck. | | | | |
| Stringer Plate, breadth and thickness..... | 56 x .56 | ✓ | | |
| " " " " " in way of Bridge | - - - | | | |
| " Angle in Wells | 6 x 6 x .50 | ✓ | | |
| Thickness of Plating abreast Deck openings in way of Wells | .42 | ✓ | | |
| Thickness of Plating abreast Deck openings in way of Bridge | - - - | | | |
| Thickness of Plating within line of openings... | .42 | ✓ | | |
| If Sheathed, material and thickness | None | ✓ | | |
| Second Deck. | | | | |
| Stringer Plate, breadth and thickness in Wells... | 48 x .44 | ✓ | | |
| Stringer Plate, breadth and thickness in way of Bridge | | | | |
| Thickness of Plating abreast Deck openings in way of Wells | | | | |
| Thickness of Plating abreast Deck openings in way of Bridge | | | | |
| Thickness of Plating within line of openings... | | | | |
| If Sheathed, material and thickness | | | | |
| Third Deck. | | | | |
| Stringer Plate, breadth and thickness..... | | | | |
| If Plated, state thickness..... | | | | |
| Fourth Deck. | | | | |
| Stringer Plate, breadth and thickness..... | | | | |
| If Plated, state thickness | | | | |
| Poop Deck. | | | | |
| Stringer Plate, breadth and thickness | | | | |
| Plating, Sheathing, material and thickness ... | | | | |
| Bridge Deck. | | | | |
| Stringer Plate, breadth and thickness..... | | | | |
| Plating, Sheathing, material and thickness ... | | | | |
| Forecastle Deck. | | | | |
| Stringer Plate, breadth and thickness..... | | | | |
| Plating, Sheathing, material and thickness ... | | | | |

SHELL PLATING.

| SCANTLINGS. | | | | | RIVETING. | | | | | | |
|---|---------------|------------|------------|------------|--|------------------|---------|---------------------------|----------------------|---------|-----------------------|
| STRAKES. | AS IN VESSEL. | | | | ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED. | EDGES. | | | BUTTS. | | |
| | AMIDSHIPS. | | FORWARD. | AFT. | | State if jogged? | No | NO. OF ROWS OF RIVETS. | RIVETS. | | |
| | Breadth. | Thickness. | Thickness. | Thickness. | | | | | SINGLE OR DOUBLE. | Diam. | Spacing cr. to cr. |
| | Inches. | Inches. | Inches. | Inches. | | | Inches. | Inches. | Inches. | Inches. | |
| FLAT PLATE KEEL | 47 ✓ | .92 ✓ | .66 ✓ | .66 ✓ | | Double ✓ | 1 ✓ | 4 ✓ | 4 ✓ | 1 ✓ | 4 ✓ |
| „ DBLG. (if any) | - | - | - | - | | - | - | - | - | - | - |
| BOTTOM PLATING, No. } of Strakes | 4 | .60 ✓ | .44 ✓ | .44 ✓ | | Double ✓ | 7/8 ✓ | 3-1/4 ✓ | 3 ✓ | 7/8 ✓ | 3-1/4 ✓ |
| BILGE PLATING, No. of } Strakes | 1 | .62 ✓ | .44 ✓ | .44 ✓ | | Double ✓ | 7/8 ✓ | 3-1/4 ✓ | 3 ✓ | 7/8 ✓ | 3-1/4 ✓ |
| SIDE PLATING, No. of } Strakes | 4 | .60 ✓ | .44 ✓ | .44 ✓ | | Double | 7/8 ✓ | 3-1/4 ✓ | 3 ✓ | 7/8 ✓ | 3-1/4 ✓ |
| UPPER DECK, Sheer- } strake in Wells..... | 59 ✓ | .72 ✓ | .44 ✓ | .44 ✓ | 58" on mid. sect. | Double | 1 ✓ | 4 ✓ | 4 ✓ | 1 ✓ | 4-1/2 ✓ |
| UPPER DECK, Sheer- } strake in Bridge ... | - | - | - | - | | | | | | | |
| STRAKE BELOW Sheer- } strake in Wells..... | 58 ✓ | .64 ✓ | .44 ✓ | .44 ✓ | 58 1/2" on mid. sect. | Double | 7/8 ✓ | 3-1/4 ✓ | 4 ✓ | 7/8 ✓ | 3-1/4 ✓ |
| STRAKE BELOW Sheer- } strake in Bridge ... | - | - | | | | | | | | | |
| POOP SIDE PLATING | 44 | | | | | | | | | | |
| BRIDGE SIDE PLATING ... | - | - | | | | | | | | | |
| FORECASTLE SIDE PLATING | 44 | | | | | | | | | | |

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) 8

" Deck next below

As per Rule 6

STIFFENERS.

| | Plating Thickness. | VERTICAL. | | HORIZONTAL. | |
|-------------------------------------|--------------------|-----------------|----------|-------------|----------|
| | | Scantlings. | Spacing. | Scantlings. | Spacing. |
| MIDSHIP BULKHEAD, Upper tween decks | 4 | 6x3 1/2 x 3/8 | 36 | - | |
| " " Second " | - | - | - | - | |
| " " Third " | - | - | - | - | |
| " " Holds | 7/16 | 15x3 1/2 x 7/16 | 36 | - | |
| COLLISION " (in Hold) | 9/16 | 15x3 1/2 x 7/16 | 36 | - | |
| AFTER PEAK " " | 1 1/16 | 15x3 1/2 x 7/16 | 36 | - | |

FORGINGS and CASTINGS.

| | Casting or Forging. | Scantlings. | Material. |
|---|---------------------|-------------|-----------|
| KEEL, Bar | - | - | - |
| STEM | - | - | - |
| STERN FRAME { Propeller Post | - | - | - |
| { Rudder " | - | - | - |
| Speed of Vessel | - | - | - |
| RUDDER—Type | - | - | - |
| " A x D | - | - | - |
| " Diam. of head | - | - | - |
| " Mainpiece at top pintle | - | - | - |
| " " heel ... | - | - | - |
| " how constructed | - | - | - |
| " double or single plate coupling, vertical or horizontal | - | - | - |

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

STEEL.

Has the Steel been tested as required by the Rules?

Lloyd's Register Foundation

S.S. "TENNESSEAN"

PARTICULARS OF LONGITUDINAL FRAMING.

| No. | AMIDSHIPS. | | | AMIDSHIPS. | | | AMIDSHIPS. | | | AMIDSHIPS. | | | RIVETING. | | |
|---|-------------------------------|-------|------|-----------------------|------|------|--------------------------|------|------|--------------------------|------|------|--------------------------------|--------|--|
| | In Ship. | | | In Ship. | | | Per Rule or as approved. | | | Per Rule or as approved. | | | Rivets in Longitudinal Frames. | | |
| | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Ins. | Diam. | Speng. | Spacing of Rivets on each side of Transverses and Bulkheads. |
| Between Decks ... | | | | | | | | | | | | | | | |
| Continuous No. 1 | 7x3 1/2 x 3 1/2 x 15.6 | | | | | | | | | | | | 7/8 | 5 1/2 | 5 1/2 |
| " 2 | 7x3 1/2 x 3 1/2 x 15.6 | | | | | | | | | | | | " | " | " |
| " 3 | 7x3 1/2 x 3 1/2 x 15.6 | | | | | | | | | | | | " | " | " |
| " 4 | 7x3.4 x 3.4 x 18.6 | | | | | | | | | | | | " | " | " |
| " 5 | 7x3 1/2 x 3 1/2 x 20.9 | | | | | | | | | | | | " | " | " |
| " 6 | 10x3-3/8 x 3-3/8 x 21.7 | | | | | | | | | | | | " | " | 4-3/8 for 9 rivets |
| " 7 | 10x3-3/8 x 3-3/8 x 21.7 | | | | | | | | | | | | " | " | " |
| " 8 | 10x3-3/8 x 3-3/8 x 21.7 | | | | | | | | | | | | " | " | 3 1/2 for 9 rivets |
| " 9 | 10x3 1/2 x 3 1/2 x 27.2 | | | | | | | | | | | | " | " | " |
| " 10 | 10x3 1/2 x 3 1/2 x 27.2 | | | | | | | | | | | | 7/8 | 4-3/8 | " |
| " 11 | | | | | | | | | | | | | " | " | " |
| " 12 | | | | | | | | | | | | | | | |
| " 13 | | | | | | | | | | | | | | | |
| " 14 | | | | | | | | | | | | | | | |
| " 15 | | | | | | | | | | | | | | | |
| " 16 | | | | | | | | | | | | | | | |
| hips | 30" | & | 36 | | | | | | | | | | | | |
| Longitudinals | 7" x 3 3/8 x 3 3/8 x 16.5 1/2 | | | 7" x 18.6 1/2 in B.S. | | | | | | | | | 7/8 | 5 1/2 | 4 3/8 for 9 rivets |
| " | 7" x 3 3/8 x 3 3/8 x 18.6 1/2 | | | | | | | | | | | | 7/8 | 5 1/2 | 3 1/2 for 9 rivets |
| Amidships | 30" | | | | | | | | | | | | | | 4" " " in heel angles |
| At Ends... | | | | | | | | | | | | | | | 4 rivets on inside edge |
| Thickness | - | | | | | | | | | | | | | | |
| les | - | | | | | | | | | | | | | | |
| ell* | - | | | | | | | | | | | | | | |
| Thickness | 15 | x | 3/8 | | | | | | | | | | | | |
| es | 6 | 3 1/2 | 3/8 | | | | | | | | | | | | |
| ell* | 4 | 3 1/2 | .38 | | | | | | | | | | | | |
| Thickness | 30 | x | 1/2 | | | | | | | | | | 7/8 | 5-3/8 | |
| es | 6 | 4 | 3/4 | | | | | | | | | | | | |
| ell* | 6 | 6 | .44 | | | | | | | | | | | | |
| ck Bars | 8 | 8 | .62 | | | | | | | | | | 7/8 | 4-3/4 | |
| S. | - | - | - | | | | | | | | | | 7/8 | 3 Rows | |
| as per profile | | | | | | | | | | | | | | | |
| Deck | - | - | - | | | | | | | | | | | | |
| " | 6 x 3 x 3 x 5/16 | | | | | | | | | | | | | | |
| " | 6 x 3 1/2 x 7/16 | | | | | | | | | | | | | | |
| " | | | | | | | | | | | | | | | |
| " | | | | | | | | | | | | | | | |
| iculars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms. | | | | | | | | | | | | | | | |

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

EQUIPMENT No. **74**LETT *London* **O** **Z**

ANCHORS.

| Anchors. | WEIGHT, EX. STOCK. | | | WEIGHT OF STOCK. | | | TEST, PER CERTIFICATE. | | | | WEIGHT REQUIRED | | Description of Anchor. | Makers. | Where and when tested and Superintendent. |
|--------------------|--------------------|------|------|------------------|------|------|------------------------|-------|------|------|-----------------|------|------------------------|---------|---|
| | Cwts. | qrs. | lbs. | Cwts. | qrs. | lbs. | Tons. | cwts. | qrs. | lbs. | Cwts. | lbs. | | | |
| 1st Bower ... | 77 | 1 | 6 | 77 | 1 | 6 | 57 | 6 | 2 | 14 | 65 1/4 | | Admiral | Admiral | For Test 19-2-19 ABIS. |
| 2nd " ... | 69 | 1 | 2 | 69 | 1 | 2 | 55 | 7 | 2 | 0 | 63 1/4 | | Admiral | Admiral | For Test 19-2-19 ABIS. |
| 3rd " ... | 62 | 3 | 2 | 62 | 3 | 2 | 49 | 8 | 2 | 8 | | | " | " | For Test 19-2-19 ABIS. |
| Collective weight. | 209 | 1 | 10 | | | | | | | | 182 | | " | " | For Test 19-2-19 ABIS. |
| Stream | 26 | 3 | 16 | 26 | 3 | 16 | 26 | 7 | 2 | 0 | 17 1/2 | | Admiral | Admiral | For Test 19-2-19 ABIS. |

CHAIN CABLES.

HAWSERS AND WARPS.

| 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. | |
|---------------------------|-----------------------|------------------------|--------|---------|-----------|-------------------------------|--------------|-------------------|--|-----------------|---------------------------|-------|------------------------------|-------------------------------|------|
| | | Cwts. | qrs. | lbs. | Per Rule. | | | | | | Length. | Cir. | | Length. | Cir. |
| 45 | 2 1/4 | 9 1/8 | 12 7/8 | 123-3-1 | | 270 | 2 1/4 | Admiral | For Test 16-12-19 ABIS. | TOWLINE... | 120 | 5" | 6x12 | | |
| 60 | 2 1/4 | 8 1/8 | 12 7/8 | 419-1-8 | | 270 | 2 1/4 | Admiral | For Test 15-11-18 | HAWSERS & WARPS | 2x90 | 2 3/4 | 6x12 | | |
| 65 | 2 1/4 | 9 1/8 | 12 7/8 | 419-1-8 | | 270 | 2 1/4 | Admiral | For Test 15-11-18 | " | 2x90 | 2 1/2 | 6x12 | | |
| 70 | 4 1/4 | | | | | | | | | | | | | | |

ear, Type (Power or hand) **steam and telemotor**

Alternative Means of Steering

hains (Size and Test)

Windlass

Steam

Boats **4 steel** - for **37 persons** each

Holds, thickness and material

2-3/4 pineCargo Battens, thickness, material and spacing **5 1/2 x 1 1/2** - **11** clear space

chways.-(Upper Deck)

Thickness of Hatches

chways No. 1 (Fwd.)

30-6 x 18No. 2 **30-6x 18**No. 3 **11 x 18**No. 4 **29 x 18**No. 5 **30 - 6 x 18**

No. 6

ifting Beams

ore and Afters

Builder's Signature

DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel **Yes**ther the vessel, not being an oil tanker, is fitted for carrying oil as cargo **In deep tank**

The positions in which oil is carried as fuel or cargo should

ated, together with the flash point (where required to be inserted in the Notation).

Double bottom tanks **1,2,3,6,7,8**

Fore peak, after peak and deep tanks

oil as fuel

oil as fuel

ation Fee & Exp. to

Entry Fee by London.

Fees applied for,

Received by me,

Expenses, if any £ **\$34.00**

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed **100 A1** on the satisfactory completion of the Special Survey.Vessel has been built under Special Survey **No**

Signature

J. J. Brachman.

Surveyor to Lloyd's Register of Shipping.

Date of issue

NEW YORK APR 3 1940

s Minute

assigned Transmit to London.

Note - Class contemplated

LAW



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Lloyd's Register Foundation

005041-005055-0161

GENERAL REMARKS—(The Surveyor should state the Number of the Plans should be embodied.)

Name of any Sister Vessel.

Plans showing Vessel as built should be forwarded

One midship section.

Capacity plan.

This vessel was built in 1919 to the highest class of the American Bureau of Shipping. In October, 1919 she underwent and completed the Special Survey 2nd No.2.

The vessel has now been bought by the British Ministry of Shipping who desire this Society's class. To the very limited time available a complete Special Survey No.3 could not be carried out nor could all the for the first entry report be obtained.

The scantlings shown have been taken from the vessel and compare with the plan of midship section.

In addition to the remainder of the scantlings being obtained, for the completion of the report, the and chains should be ranged and examined and the test marks compared with the certificate and the particular the latter inserted in the report.

PARTICULARS OF ELECTRIC WELDING (if employed)

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

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

1st Bower

2nd "

3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 41 ft., R.Q.D. - ft., Bridge - ft., For

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. **218812**

Signal Letters

Extreme Breadth over Belting (Circ. 1611)

Over-all Length (Circ. 1703) **415.**

No. and Material of Decks

2 dks steel

Parts of Bottom of Vessel coated with cement or approved composition

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

| Where Fitted. | Length. Feet. | Water Capacity. Tons. | Where Fitted. |
|---|------------------|--------------------------|--|
| Double bottom, aft, | <u>129</u> | 467 | Fore peak tank, |
| Double bottom, under Engines and Boilers, | | | After peak tank, |
| Double bottom, if under Engines only, F.W. | <u>20 1/2</u> | 104 | Deep tank, aft, |
| Double bottom, if under Boilers only, F.W. | <u>20 1/2</u> | 104 | Deep tank, forward, |
| Double bottom, forward, | <u>17 1/2</u> | 727 | Other tanks, if fitted, |
| Total length (if continuous) and Capacity | <u>354 1/2</u> | 1402 | (If necessary, furnish further information by sketch.) |

Order for Special Survey No.

18th March, 1940

STEEL.

Manufacturer's Name or

Plates of Surveys held while building



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