

STEEL ~~STEAMER~~ MOTORSHIP.

6 FEB 1929

Received at London Office

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *Yes*

Date of completion of report

Port of *Glasgow*No. *48840*Survey held at *Glasgow*Date First Survey *21. 11. 27*Last Survey *27th Jan*

1929

On the *T. S. M.V. "STAFFORDSHIRE"**(Machinery Amidships)*State Type *Full Scantling*State Type of Erections *Pop. Br. Fle*TONNAGE under
Tonnage Deck...*5459.31*CLASS *100 A.1.*State if with freeboard
as condition of Class*No*Built at *Govan, Glasgow*Do. of space or spaces
between Tonnage Dk.
and Upper Dk.*2259.47*Length from fore part of stem to after part of stern
post on summer L.W.L. See Sec. 3 (1a)

L

*482.0*Launched *29th Oct 1928* Yard No. *630*

Total

7718.78

Breadth (greatest moulded)

B

*62.0*Builders *The Fairfield S. B. & C. Ltd*

Gross Tonnage

*10654.62*Depth at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c)

D

*36.5*Owners *Bibby Steamship Co. Ltd.*

Register Tonnage

6649.64

1st Longitudinal Number (L x D)

=

*19593*Managers *Bibby Bros & Co.*

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

2nd Numeral L x (B + D)

=

*47477*Residence *Liverpool*

REGISTERED DIMENSIONS.

FEET.

Length

483.6

Breadth

62.2

Depth

*23.05**and 32.05*Framing Depth "d." at middle of length. See
Sec. 3 (1d)

}

*14.62*Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel

}

*13.2*Port of Registry *Liverpool*Do. Long Bridge to top
of keel

}

10.71

If surveyed while building, afloat, or in dry dock

Draught Moulded

}

*29.0**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	30		Bracket Floors, Frame		
" " from $\frac{3}{8}$ length to Collision bulkhead	27		" " Reversed Frame		
" " in peaks	24		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	$4\frac{1}{2} \times 61$	
Frame Amidships, Angle [<i>+</i>]	$9 \times 3\frac{1}{2} \times 3\frac{1}{2} \times 55$ Rule $9 \times 3\frac{1}{2} \times 3\frac{1}{2}$		" " top Angles	(2) $3\frac{1}{2} \times 3\frac{1}{2} \times 60$ Rule $3\frac{1}{2} \times 3\frac{1}{2} \times 50$	
" " Extends up to <i>upper deck clear of creations</i>			" " bottom Angles	(2) $5 \times 5 \times 70$ Rule $5 \times 5 \times 66$	
Reversed Frame Amidships, Angle	$3\frac{1}{2} \times 3 \times 40$ Rule $3\frac{1}{2} \times 3 \times 38$		Side Girders, No. each side and thickness	Two 4×4	
" " Extends up to <i>underside of lower deck</i>			Margin Plate depth (excl. of flange) and thickness	38×56	
Depth of Framing Girder	9		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	$3\frac{1}{2} \times 3\frac{1}{2} \times 48$	
Frames in Uppermost Continuous 'tween Decks, Angle [<i>+</i>]	$9 \times 3\frac{1}{2} \times 3\frac{1}{2} \times 55$ Rule $9 \times 3\frac{1}{2} \times 3\frac{1}{2}$		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem	$3\frac{1}{2} \times 3\frac{1}{2} \times 48$	
" " Second 'tween Decks, Angle [<i>+</i>]	<i>do</i>	<i>do</i>	" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	<i>Continuous Plate 48</i>	
" " Third			" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	<i>do</i>	
Framing in Peaks, Angle or [<i>+</i>]	$9\frac{1}{2} \times 3\frac{1}{2} \times 48$ Rule $9\frac{1}{2} \times 3\frac{1}{2} \times 46$		Tank Side Brackets, height above base line at toe of Frame and thickness	$73\frac{1}{2} \times 48$ <i>3rd Holds 4ft Holds</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	$\frac{1}{8} @ 5\frac{1}{2} \times 5\frac{1}{2}$		INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes</i>		Breadth and thickness of Middle Line Strake	$55\frac{1}{2} \times 55$	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>4 web frames and 2 stringers per app. plane</i>		Thickness of remainder in Holds	44 to 42	
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	<i>Double bottomed frames additional intercostals 3 Shakes still moulded to new to left. Bld.</i>		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?	<i>Yes</i>	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle [<i>+</i>]	$8 \times 3\frac{1}{2} \times 3\frac{1}{2} \times 55$ Rule $8 \times 3\frac{1}{2} \times 3\frac{1}{2} \times 55$	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle [<i>+</i>]	$7 \times 3\frac{1}{2} \times 3\frac{1}{2} \times 50$	
Middle Line Keelson, on Floors, Angles, [<i>+</i>] or [<i>+</i>]			Spacing	30	
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle [<i>+</i>]	$8 \times 3\frac{1}{2} \times 3\frac{1}{2} \times 55$	
" " Foundation Plate on Floors			Spacing	30	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle [<i>+</i>]	$8 \times 3\frac{1}{2} \times 3\frac{1}{2} \times 55$	
Side Keelsons, No. each side			Spacing	30	
" thickness of Intercostal Plate			Fourth Deck, amidships, Angle [<i>+</i>]		
" Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle [<i>+</i>]	$7 \times 3 \times 3 \times 39$ <i>475</i>	
Solid Floors, thickness and spacing	$44 @ 30$		Spacing	30×24	
" " Are Frames and Reversed Frame joggled?	<i>Yes</i>		Bridge Deck, Angle [<i>+</i>]	$7 \times 3\frac{1}{2} \times 3\frac{1}{2} \times 50$	
Bracket Floors, breadth and thickness at middle line			Spacing	30	
" breadth and thickness at margin plate			Forecastle Deck, Angle [<i>+</i>]	$8 \times 3\frac{1}{2} \times 3\frac{1}{2} \times 55$	
			Spacing	27×24	

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.			INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
	Breadth.	Thickness.	Thickness.				Breadth.	Thickness.	Thickness.	
Two rows of										
in 'tween Decks, Size and Spacing.....										
" " " " " "										
" " " " " "										
in Holds										
" " " " " "										
Centre Line Bulkhead.										
Stiffeners and Spacing.....										
Plating, thickness of										
STRINGERS AND DECKS.										
Uppermost Continuous Deck.										
Stringer Plate, breadth and thickness in Wells										
" " " " " " in way of Bridge										
" " " " " " Angle in Wells										
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										
Second Deck.										
Stringer Plate, breadth and thickness in Wells...										
Stringer Plate, breadth and thickness in way of Bridge										
Angle in Wells										
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 in way of Bridge										
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. State if jogged? <i>No</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing or to cr.		Diam.	Spacing or to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	54	✓ .92	.86	.86	✓ Rule 54 x .71	Double	1	3 ³ / ₄	Four	1	4	Shopped
DBLG. (if any) <i>for 3/5 len.</i>		✓ .62			✓ do. .60	✓	✓	✓	Three	1	3 ¹ / ₂	do
BOTTOM PLATING, No. of Strakes4.....		✓ .72	.52	.52	✓ do. .71	Double	7/8	3 ¹ / ₈	Four	7/8	3 ¹ / ₂	Lapped
BILGE PLATING, No. of Strakes3.....	X 20	.72	20 .52	20 .52	✓ do 20 .71	do	do	do	do	do	do	do
	10	.70	10 .48	10 .48	✓ do 10 .69							
SIDE PLATING, No. of Strakes4.....		.70	.48	.48	✓ do .69	do	do	do	do	do	do	do
UPPER DECK, Sheer- strake in Wells.....	52	1.08	.48	.48	✓ do 52 x 1.07	do	1 ¹ / ₈	4 ³ / ₄	Five	1 ¹ / ₈	5	do
UPPER DECK, Sheer- strake in Bridge70			✓ do .69	do	7/8	3 ¹ / ₈	Four	7/8	3 ¹ / ₂	do
STRAKE BELOW Sheer- strake in Wells.....	62 ¹ / ₂	.92	.48	.48	✓ do .61 x .91	do	1	3 ³ / ₄	Five	1	4 ¹ / ₂	do
STRAKE BELOW Sheer- strake in Bridge70		.70	✓ do .69	do	7/8	3 ¹ / ₈	Four	7/8	3 ¹ / ₂	do
POOP SIDE PLATING42	✓	Single	3/4	3	Single	3/4	2 ⁵ / ₈	do
BRIDGE SIDE PLATING ...	80 ¹ / ₂	.74	80 ¹ / ₂	.69	✓ Rule .74 x .70	Double	1	3 ³ / ₄	Four	1	4	do
FOREC'TLE SIDE PLATING			.44		✓	Single	3/4	3	Single	3/4	2 ⁵ / ₈	do

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	8
Extending to Upper Deck (Sec. 3 c)	8
Deck next below	
As per Rule	8

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	27	5 1/2 x 3 1/4	30	5 1/2 x 3 1/4	31 1/2
" " Second	32 1/2	6 1/2 x 3 1/2	30	6 1/2 x 3 1/2	31 1/2
" " Third		6 1/2 x 3 1/2	31 1/2		
" " Holds	44 1/2	10 1/2 x 4 1/2	30	10 1/2 x 4 1/2	31 1/2
COLLISION (in Hold)	52	39 1/2 x 3 1/2	38	39 1/2 x 3 1/2	38
AFTER PEAK	52	39 1/2 x 3 1/2	38	39 1/2 x 3 1/2	38

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	Roller Steel	10 1/2 x 2 1/2	Blackmore	
STERN FRAME	Steel Casting		Shanghai Steel Works	
Propeller Post	Steel		Steel Works	
Rudder	15 x 14 x 3		Casting Scotland	
RUDDER—A x D		1282		
Speed of Vessel		15 knots		
RUDDER mainpiece at head		16	Shoda Works	
" " heel		12	Shoda Works	
" " how constructed			Forged frame & shrunk on arms	
" " double or single plate coupling, vertical or horizontal			Single plate	
			Horizontal	

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

STEEL. South Dunder, Abville, Beardmore, Camarkshu Steel Co., Large Steel Iron Co., Dunlop & Co., Forges de Vieux-Molhain, Hordingham, I.S. Co., Dorman Long, Pease & Partners, Steel Works of Scotland

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

EQUIPMENT No. 52551.5										LETTER ft	ANCHORS.						
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 33	Description of Anchor.	Makers.	Where and when tested and Superintendent.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				or approved Cwts.		
90066	1st Bower ...	91	3	18	Stockless				64	0	0	0	86.0	Halls, C.S. Head, Hingley & Sons, Netherston	27/1/28	Green	
90067	2nd „ ...	90	3	24	do				63	12	2	0	86.0	do	do	do	
90065	3rd „ ...	88	2	0	do				62	15	0	0	86.0	do	do	do	
	Collective weight.	271	1	11	/								258.0	do	do	do	
90087	Stream	26	3	18	/	6	8	12	26	7	2	0	26½	Ordinary	do	do	28/1/28 d

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.	Cir.
	Length.	Diam.		Supplied.	Per Rule.	Supplied.	Per Rule.						Length.	Cir.		Length.	Cir.		
85019	135	2 7/8	130-9	149.25	473.3-1		936	270	2 7/8	Shul. Long	Hingley & Sons, Netherston	20/1/28 Green	130	6	89.5	130	6		
85076	135	do	do	do	475.1-26				do	do	do	27/1/28 d							
85015	15	2 7/8	125-1	175.15	58.2-8		109	30	2 7/8	do	do	do do do							
85014	15	do	do	do	58.1-5				do	do	do do do								
	30 0	Chr.					10 50		Chr.										
Stream	120	5 1/2		88				120	5 1/2	Shul. wire	British Rope Co. Ltd.								

Steering Gear, Steam *Electric Hydraulic by Brown Bros.* Steering Gear, Hand *None*

Boats *14 boats including 2 motor boats* Steering Chains, Size and Test *none* Windlass *Electric by J. H. Watson & Co. Ltd.*

Ceiling in Holds, thickness and material *none, Plating over timber* Batten, thickness, material and spacing *6 x 1 3/4, spacing 9'*

Cargo Hatchways.—(Upper Deck) *Steel coamings 30" deep* Thickness of Hatches *3" Pine*

Size of No. 1 Hatchway (Forward) *11' 3" x 12'* No. 2 *26' 6" x 20'* No. 3 *14' 3" x 20'* No. 4 *11' 9" x 16'* No. 5 *14' 6" x 14'* No. 6 *15' x 14'*

Number of Shifting Beams and/or Fore and Afters *2 webs in No. 1 and 4 hatches, 6 in No. 2, 3 webs in No. 3, 5 and 6*
No fore and afters

THE FAIRFIELD SHIPBUILDING AND ENGINEERING CO., LIMITED.
 Builder's Signature *[Signature]* MANAGER

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *yes* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *No*. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

The materials and workmanship are good. The vessel has been built in accordance with the approved plans, the Secretary's letters of various dates, and in conformity with the Rules for the class contemplated. The vessel is constructed to carry oil fuel in No. 1, 2, 3, 4, 5 and 6 double bottom tanks, and in fore peak. The tanks, decks, bulkheads, turrets, and w. t. doors have been tested in accordance with the Rules and the requirements of Section 34 of the Rules (1927-8) have been complied with where applicable. The freboards have been verified, and the freboard marks cut in on the vessel's sides.

Record for Register, Pt. Lem.

The amount of Entry Fee £ *12: 0: 0* Fees applied for *2 FEB 1929*

Special Survey Fee £ *458: 3: 9* Received by me, *[Signature]* I am of opinion the Vessel should be Classed *100 A.1.*

Hubond. Travelling Expenses, if any £ *13: 15: 0* *15.4.29*

State whether the Vessel has been built under Special Survey *yes* Signature *George Nicol*
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *GLASGOW* Date of issue *16/4/29*

Committee's Minute *GLASGOW 5 - FEB 1929*

Character assigned *100 A.1.*

1.29
Lloyds Assoc.
+ L.M.C. 1.29

00665

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.)

The following plans forwarded

- ✓ Midship Section as approved
- do (Vessel as built)
- ✓ House Tops and Profile
- ✓ Bulkhead Profile
- ✓ Tank Top, Lower deck and middle deck
- ✓ Upper, Bridge and Boat decks
- ✓ Plan of Strengthening Forward
- ✓ Details of Stern
- ✓ Stern Framing
- ✓ Rudder, Stern Frame and Shaft Brackets
- ✓ Arrangement of Cargo Hatches (Deck Plans and Profile)
- do Typical Section
- ✓ Cargo Hatches on Lower Deck
- ✓ Weather Deck Hatches on Bridge and Forecastle Decks
- ✓ Middle Deck Cargo Hatches
- ✓ Upper Deck Cargo Hatches
- ✓ Pillaring Arrangements. (Sheet 1)
- do (Sheet 2)
- ✓ Framing, Pillars and Girders in Machinery Space
- ✓ Stiffening under Keels of Pillars
- ✓ Welded Rings and Heads and Keels of Tubular Pillars
- ✓ Bilge and Ballast Arrangements
- ✓ Drainage Arrangements (Profile)
- ✓ Punting Arrangements
- ✓ Helix McEachlan Davits
- ✓ Bossed Framing
- ✓ Plan of Deck Houses
- ✓ Electro Hydraulic Steering Gear

Reports

Propeller Brackets & Stern Frame

St. & Casting

Rudder Frame

Tiller

Don James &c.

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

1st Bower	59.0.24, K.A. 5841, 26.4.28
2nd "	58.1.20, K.A. 5842, 26.4.28
3rd "	58.3.23, M.B. 3521, 8.3.28

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 51.25 ft., R.Q.D. ✓ ft., Bridge 265 ft., Forecastle 78 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 3 dk. Stk (upper deck wood sheathed)

Official No. 161082

Signal Letters

Is bottom of Vessel coated with cement OK Cement if not give

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capa Tons.
Double bottom, aft, ✓	127.5	348	Fore peak tank, ✓	26.25	41
Double bottom, under Engines and Boilers,			After peak tank, ✓	21.25	85
Double bottom, if under Engines only, ✓	42.5	537	Deep tank, aft, ✓		
Double bottom, if under Boilers only,			Deep tank, forward, ✓		
Double bottom, forward, ✓	219.5	774	Other tanks, if fitted, ✓		
		Total capacity of double bottom 1659	(If necessary, furnish further information by sketch.)		
		* The wells are not to be included in the lengths of the tanks.			

Order for Special Survey No. 5894

Date 26.1.28

Dates of Surveys held while building

1927 Nov 21. Dec 14. 21. 23. 27. 29 (1928) Jan 10. 16. 24. 26. 27. 30 Feb. 19. 21. 28 Mar 5. 14. 26
30 Apr 2. 10. 17. 18. 20. 23. 26 May 4. 11. 18. 19. 22. 24 Jun 1. 7. 8. 14. 16. 19. 22. 26. 27. 28 July 3. 6. 6. 11
30. 31 Aug 1. 3. 6. 9. 10. 13. 14. 15. 17. 22. 27. 29 Sep 3. 13. 14. 17. 18. 20. 21. 26. 28 Oct 1. 3. 4. 7. 10. 12. 16. 19.
26. 29. 30 Nov 3. 5. 7. 9. 14. 16. 22. 23. 26. 27. 29 Dec 4. 9. 26. 27 (1929) Jan 5. 9. 10. 17. 21. 27 Total No. of Visits 10