

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

No. 31271

2 August 1933.

Machinery aft

State Type of Erections Flaccid R.A. Deck

Built at Sunderland

Launched July 24th 1933 Yard No. 328

Builders Mess^{rs} S. P. Austin & Son Ch^{go}

Owners William Cory & Son Co. ^W₁₁

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

Residence -

Port of Registry London.

If surveyed while building, afloat, or in dry dock

W. side building

FRAMES, DOUBLE BOTTOM AND BEAMS.			
	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	
FRAMES, Spacing amidships	27"		
" " from $\frac{3}{4}$ length to Collision bulkhead.....	27"		
" " in peaks.....	22½"		
SIDE FRAMING.			
Frame Amidships, Angle <input type="checkbox"/> or <input checked="" type="checkbox"/> <i>N.B.S.</i>	5 3 .39		
" " Extends up to	Upper Deck		
Reversed Frame Amidships, Angle	-		
" " Extends up to...	-		
Depth of Framing Girder	5"		
Frames in Uppermost Continuous 'tween Decks, Angle <input type="checkbox"/> or <input checked="" type="checkbox"/> <i>N.B.S.</i>	6 3 .40		
" " Second 'tween Decks, Angle <input type="checkbox"/> or <input checked="" type="checkbox"/>	-		
" " Third " " " "	-		
Framing in Peaks, Angle <input type="checkbox"/> or <input checked="" type="checkbox"/>	5 3 .41		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	¾" - 7/8"		
State if Frame Joggled	No.		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars)	In Peaks Strong 25x34 and Beam 22x48 0.0. also Bulhead Steel increased .05 and frame for brackets increased 2 ½" Sak horizontal 1" Sak strength each side Bottom shell midship thick 47"		
STRENGTHENING OF BOTTOM FORWARD. State Particulars			
SINGLE BOTTOM.			
Floors, Depth and thickness at mid-line in Holds <i>Boiler Room</i>	21 x 46		
Height of Brackets at side above base line at toe of frame	7000 Level		
Middle Line Keelson, on Floors, Angles <input type="checkbox"/> or <input checked="" type="checkbox"/>	4 3 ½ .44		
" " " Through Plate or <i>Intercoastal Plate</i> ...	50		
" " " Foundation Plate on Floors	12 x 48		
" " " Flat Plate Keel Angles	3 3 .48		
Side Keelsons, No. each side	One		
" " thickness of Intercoastal Plate...	44		
" " Angle.....	5 3 .44		
DOUBLE BOTTOM.			
Solid Floors, thickness and spacing	33. Every		
" " Are Frame and Reversed Frame joggled?.....	No		
Bracket Floors, breadth and thickness at middle line	-		
" " breadth and thickness at margin plate.....	-		
Bracket Floors, Frame	-		
" " Reversed Frame	-		
" " Vertical Struts	-		
Centre Girder, depth and thickness amidships	31 x 40		
" " top Angles	3 3 .36		
" " bottom Angles	3 3 .40		
Side Girders, No. each side and thickness	One 5 x 3 x 30 0. N.B.S.		
Margin Plate <i>width</i> <i>depth</i> (excl. of flange) and thickness	32 x 36		
" " <i>Vertical Angle to Tank side</i> Bracket abaft ½ len. from stem	3 3 .30		
" " <i>Vertical Angle to Tank side</i> Bracket forward ½ len. from stem	-		
" " Gussets, spacing and scantling abaft ½ len. from stem.....	-		
" " Gussets, spacing and scantling forward ½ len. from stem.....	-		
Tank Side Brackets, height above base line at toe of Frame and thickness }	24 x 34		
INNER BOTTOM PLATING.			
Breadth and thickness of Middle Line Strake ..	50 throughout		
Thickness of remainder 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.		
BEAMS.			
Uppermost Continuous Deck, amidships in Wells, Angle, <input type="checkbox"/> or <input checked="" type="checkbox"/>	6 3 .48		
" " in way of Bridge, Angle, <input type="checkbox"/> or <input checked="" type="checkbox"/>	-		
" " Spacing.....	Every		
R.O. Second Deck, amidships, Angle <input type="checkbox"/> or <input checked="" type="checkbox"/>	6 3 .36		
" " Spacing.....	Every		
Third Deck, amidships, Angle <input type="checkbox"/> or <input checked="" type="checkbox"/>	-		
" " Spacing.....	-		
Fourth Deck, amidships, Angle <input type="checkbox"/> or <input checked="" type="checkbox"/>	-		
" " Spacing.....	-		
Poop Deck, Angle <input type="checkbox"/> or <input checked="" type="checkbox"/>	-		
" " Spacing.....	-		
Bridge Deck, Angle <input type="checkbox"/> or <input checked="" type="checkbox"/>	-		
" " Spacing.....	-		
Forecastle Deck, Angle <input type="checkbox"/> or <input checked="" type="checkbox"/>	5 3 .34		
" " Spacing.....	Every		

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.....		<i>in Foele</i>		<i>One</i> ✓							
" <i>7' cle</i> in between Decks, Size and Spacing.....		<i>2 3/8"</i>		<i>Altonall</i>							
" " " " "											
" in Holds " "				<i>35 brackets to Hatch and even 3" x 4" frame.</i>							
" " " " "											
Centre Line Bulkhead.											
Stiffeners and Spacing.....											
Plating, thickness of											
STRINGERS AND DECKS.											
Uppermost Continuous Deck.											
Stringer Plate, breadth and thickness in Wells		<i>76 x .54</i>									
" " " " in way of Bridge		<i>✓</i>									
" Angle in Wells		<i>5 5 .54</i>									
Thickness of Plating abreast Deck openings) in way of Wells		<i>.54</i>		<i>✓</i>							
Thickness of Plating abreast Deck openings) in way of Bridge		<i>✓</i>									
Thickness of Plating within line of openings...		<i>.40</i>		<i>Retrenchment</i>							
If Sheathed, material and thickness		<i>No</i>									
R. Q. Second Deck.											
Stringer Plate, breadth and thickness in Wells...		<i>73 1/2" x .36</i>		<i>✓</i>							
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 joggled?	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	40	.28	.44	.44	✓	Double	3/4	3	3	3/4	2 5/8	Strapped 1/4	
„ DELG. (if any)	✓	✓	-	-	✓	-	-	-	-	-	-	-	
BOTTOM PLATING, No. of Strakes	3	.48	.34	.34	✓	Double	3/4	3	3	3/4	2 5/8	Strapped	
BILGE PLATING, No. of Strakes	1	.43	.34	.34	✓	do	3/4	3	3	3/4	2 5/8	Strapped.	
SIDE PLATING, No. of Strakes	1	.43	.34	.34	✓	do	3/4	3	2+3	3/4	2 5/8	Strapped.	
UPPER DECK, Sheer- strake in Wells.....	45"	.56	.34	.34	✓	do	7/8	3 3/8	3	7/8	3 1/8	"	
UPPER DECK, Sheer- strake in Bridge ...	47 1/2	.48	.34	.34	✓	do	3/4	3	3	3/4	2 5/8	"	
STRAKE BELOW Sheer- strake in Wells.....	54	.48	.34	.34	✓	do	3/4	3	3	3/4	2 5/8	"	
STRAKE BELOW Sheer- strake in Bridge ...	45	.43	.34	.34	✓	do	3/4	3	3	3/4	2 5/8	"	
POOP SIDE PLATING													
BRIDGE SIDE PLATING ...													
FORE'TLE SIDE PLATING			.29	✓		Single	3/4	3.	1	3/4	2 5/8	"	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 5 4

„ Deck next below 1

As per Rule 4

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	Rolled bar	$6\frac{1}{2} \times 1\frac{1}{2}$	Consett	
STERN FRAME	Propeller Post	$7\frac{1}{4} \times 4\frac{1}{2}$	Wolverhampton	
	Rudder ..	$17 \times 3\frac{3}{4}$ Rolled	Steel Co.	
RUDDER—A × D		113.45		
Speed of Vessel		not exceeding 10 knots		
RUDDER mainpiece at head ..	Forged	$5 \times 4\frac{3}{4}$	J.S. Foster	
" " heel ..	Steel	$3 \times 4\frac{3}{4}$		
" how constructed		Forged armal pentels		
" double or single plate ..		140		
" coupling, vertical or horizontal		Horizontal		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).
 Consell, South Durham, Dorman Long, Cargo Fleet, Skinning Grove
 Has the Steel been tested as required by the Rules? Yes

EQUIPMENT No. 10930. LETTER 'm' ✓										ANCHORS.	
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	
34400	1st Bower ...	23	1	21				23	10	0	L.P.H.S. 10.4.33 J.H.B.
34421	2nd „ ...	23	1	14				23	8	0	L.P.H.S. 10.7.33 J.H.B.
34402	3rd „ ...	20	1	0				20	19	1	L.P.H.S. 11.7.33 J.H.B.
	Collective weight.	67	0	7							
34287	Stream	6	0	9	1	2	0	0	5	0	L.P.H.S. 22.3.33 J.H.B.

CHAIN CABLES.												HAWSERS AND WARPS.							
Number of Certificate.	Length and size supplied.		Test per Certificate. Statu- Break- ing.	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.		Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Length.	Cir.		Length.	Cir.	
	Fathoms.	Ins.	Tons. Pons.	Cwts. qrs. lbs.	Cwts.			Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
48304A.	120	1 7/8	37.22.55.122.	127-1-8						Shank Circle	-	L.P.H.C.H. 9.5.33 C.P.	TOWLINE...	90	3 1/4	21.1	90-3 1/4		
48573	90	1 7/8	37.22.55.122	95-2-21.				222 1/2.	210	1 7/8	"	L.P.H.C.H. 28.7.33 C.P.	HAWSERS & WARPS	90	2 1/4	10.5	90-2 1/4		
				223-0-1										90	1 3/4	5.9	90-1 3/4.		
		Cir.							Cir.				"						
Iron Stream Chain & Steel Wire	60	3 1/2.	24.4.						60	3 1/2			"						

Steering Gear, Steam *Messrs Dunkin* Steering Gear, Hand *Wire Ropes Blocks to which*

Boats 2, 18' Sloopboats 1, 14' Dinghy Steering Chains, Size and Test *Messrs Dunkin's telescopic gear* Windlass *Messrs Emerson Walburn*

Ceiling in Holds, thickness and material *None* Cargo Battens, thickness, material and spacing *None*

Cargo Hatchways.—(Upper Deck) *Steel plates & angles* Thickness of Hatches *3"*

Size of No. 1 Hatchway (Forward) *17'6" x 21'0"* No. 2 *21'6" x 21'0"* No. 3 *19'3" x 21'0"* No. 4 *22'0" x 21'0"* No. 5 *24'0" x 21'0"* No. 6

Number of Shifting Beams *for Fore and Afters* No. 1-2: No. 2-3: No. 3-3: No. 4-3.

FOR S. P. AUSTIN & SON, LIMITED.
F. H. Sugden
MANAGING DIRECTOR.

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *no* (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.

This vessel has been constructed in accordance with the approved plans, the Society's Rules and the Secretary's letter.

The material and workmanship are good.

The freeboards marks have been verified and cut in on the vessel's sides.

The double bottom tanks, peaks and deep tank have been tested and found satisfactory.

The decks and bulkheads have been tested and found satisfactory. The windlass and steering gear have been tried under working conditions.

The following approved plans are forwarded:— Midship Section, Profile & Decks, Stemframe, Strengthening of double bottom forward, Supports in Machinery space, Strengthening at break, Centre girder in Machinery space, Pumping arrangements, Modification to escape hatches, Rudder plan, Quadrant & Tiller (11 plans)

Plans of Midship Section and Profile, as built, are forwarded also 3 forging certificates:— Stemframe, Rudder, Quadrant & Tiller

The amount of Entry Fee £ 4 : : Fees applied for, *28 Aug 1933*

Special Survey Fee £ 99 : 2 : : Received by me, *12.9.1933*

Freeboard Fee 8 : 0 : 0

Travelling Expenses, if any £ : : : *Yes*

I am of opinion the Vessel should be Classed *+100A1*

State whether the Vessel has been built under Special Survey *Yes* Signature *Cecil Bartlett*

Certificate to be sent to *SUNDERLAND* Date of issue *14/9/33* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *TUE. 5 SEP 1933*

Character assigned *+100A1*

Cargo battens not fitted

Lloyd's A.R.C.

write Gls. 5/9/33

+ L.M.C. 8.33

C.L.

W 374-0176 (2/2)



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.)

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

1st Bower	<i>Including pin</i> 17-0-0, T.Mc. 1. 4516. 1.6.33.
2nd "	16-3-0. T.Mc. 1. 7002. 29.3.33.
3rd "	13-3-7 / R.L. 3459. 13.4.33.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 131.33 ft., Bridge ☒ ft., Forecastle 23.42 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) **1 D 5 STL**

Official No. **163,384** ; Signal Letters _____ Is bottom of Vessel coated with cement ☒ if not give particulars of composition **Cement in Boiler Room, Cement fillets elsewhere.**

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	79	161	Fore peak tank,	20	64
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	9	15
Double bottom, if under Engines only,	18	19	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward, amidships	9	107
Double bottom, forward,	61	114	Other tanks, if fitted,		
Total capacity of double bottom		294	(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. **5769**

Date **5. 4. 33**

Dates of Surveys held while building

1933. Apr. 13. 20. 24. 27. May 4. 5. 9. 15. 17. 22. 25. 29. 30. June 1. 2. 6. 7. 9. 10. 14. 15. 20. 22. July 7. 10. 11. 12. 14. 17. 18. 19. 21. 24. 25. 27. Aug. 2. 4. 14. 17. 18. 21. 23. 24. 25. 26. 28

Lloyd's Register
Foundation
Total No. of Visits **46**