

## STEEL STEAMER or MOTORSHIP.

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 *12 January 1928* Port of *Sunderland* No. *29610*Survey held at *Sunderland* Date First Survey *4 July 1927* Last Survey *5 January 1928*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single screw steamer "STONEGATE" machinery amidships.*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *complete superstructure with tonnage opening* State Type of Erections *File on Shell, etc.*TONNAGE under Tonnage Deck... *4705.56* CLASS *100 A.1* State if with freeboard as condition of Class *yes* Built at *Pallion, Sunderland*Do. of space or spaces between Tonnage Dk. and Upper Dk. *1/200*

Total

Gross Tonnage *5043.89*Register Tonnage *3106.92*

## REGISTERED DIMENSIONS.

FEET.

Length *410.0*Breadth *55.55*Depth *26.00*Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *410.0*Breadth (greatest moulded) *B 55.29*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 36.33*1st Longitudinal Number (L x D) = *14894*2nd Numeral L x (B + D) = *37566*Framing Depth "d," at middle of length. See Sec. 3 (1d) *24.45*Proportions—Depth to Length—Uppermost continuous deck to top of keel *10.96*Do. Long Bridge to top of keel *24-10 1/4*Draught Moulded *24-10 1/4*Launched *Nov 10 1927* Yard No. *585*Builders *Tom Doxford & Sons Ltd*Owners *The Turnbull Scott Shipping Co Ltd*Managers *Turnbull Scott & Co*  
(Where necessary to be entered in Reg. Book.)Residence *24 St Mary Axe**London E.C.3.*Port of Registry *London*

If surveyed while building, afloat, or in dry dock

*Building and afloat*

## 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	31		Bracket Floors, Frame	3 1/2	.52
" " from 1/2 length to Collision bulkhead	24		" " Reversed Frame	3	.52
" " in peaks	24		" " Vertical Struts	3	.52
DE FRAMING.			Centre Girder, depth and thickness amidships	43	.56
Frame Amidships, Angle, [ or ]	12 1/4	.66	" " top Angles	3 1/2	.54
" " Extends up to	2nd dk.		" " bottom Angles	4	.60
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	one	.42
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	40	.54
Depth of Framing Girder	12		" " Vertical Angle to Tank side	6	.44
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	6 3/2	.36	Bracket abaft 1/2 len. from stem	"	"
" " Second 'tween Decks, Angle, [ or ]			" " Vertical Angle to Tank side	"	"
" " Third " " "			Bracket forward 1/2 len. from stem	"	"
Framing in Peaks, Angle or [ or ]	7 1/2	.38	Gussets, spacing and scantling abaft 1/2 len. from stem	3 1/2	.44
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8	.54	Gussets, spacing and scantling forward 1/2 len. from stem	"	"
State if Frame Joggled	710		Tank Side Brackets, height above base line at toe of Frame and thickness	76	.48
STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars	4 Web fms 4 3" Stringers		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	double frames added Int'l's. Rule thickness of Bottom Shell maintained to collision bhd.		Breadth and thickness of Middle Line Strake	53	.52
DOUBLE BOTTOM.			Thickness of remainder in Holds	44	.40
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			also owners increases as shown on plan		
Middle Line Keelson, on Floors, Angles, [ or ]			BEAMS.		
" " Through Plate or Intercoastal Plate			Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]	8 3/4	.42
" " Foundation Plate on Floors			" " in way of Bridge, Angle, [ or ]		
" " Flat Plate Keel Angles			Spacing	31	
Side Keelsons, No. each side			Second Deck, amidships, Angle, [ or ]	11 3/4	.50
" " thickness of Intercoastal Plate			Spacing	31	
" " Angles			Third Deck, amidships, Angle, [ or ]		
Spacing			Spacing		
Solid Floors, thickness and spacing	42 93 31		Fourth Deck, amidships, Angle, [ or ]		
" " Are Frame and Reversed Frame joggled?	No		Spacing		
Bracket Floors, breadth and thickness at middle line	4 2	.42	Poop Deck, Angle, [ or ]		
" " breadth and thickness at margin plate	2 8	.42	Spacing		
			Bridge Deck, Angle, [ or ]		
			Spacing		
			Forecastle Deck, Angle, [ or ]		
			Spacing		



## 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.
<b>PILLARS, No. of Rows.....</b>		one	✓		Stringer Plate, breadth and thickness in way of Bridge .....	-	-	-	
<i>Shelter</i>					Thickness of Plating abreast Deck openings } in way of Wells .....	.36	-	.32	
in 'tween Decks, Size and Spacing.....	L	6	.54		Thickness of Plating abreast Deck openings } in way of Bridge .....	-	-	-	
" " " " "		-	-		Thickness of Plating within line of openings... " " " in way of deep tank	.34	-	.30	
in Holds " "		-	-		If Sheathed, material and thickness .....	.42	4	.40	
" " " " "		-	-			.70			
<b>Centre Line Bulkhead.</b>	BA	9 1/2	.52		<b>Third Deck.</b>				
Stiffeners and Spacing.....	"	6	.30	✓	Stringer Plate, breadth and thickness.....	-	-	-	
Plating, thickness of .....	every frame and as approved	30	✓		If Plated, state thickness.....	-	-	-	
<b>STRINGERS AND DECKS.</b>					<b>Fourth Deck.</b>				
<b>Uppermost Continuous Deck.</b>					Stringer Plate, breadth and thickness.....	-	-	-	
Stringer Plate, breadth and thickness in Wells		66	.57	✓	If Plated, state thickness .....	-	-	-	
" " " " in way of Bridge		-	-		<b>Poop Deck.</b>				
" Angle in Wells .....		6	.58		Stringer Plate, breadth and thickness .....	-	-	-	
Thickness of Plating abreast Deck openings } in way of Wells .....		.55	✓	Rule .50 - .44	Plating, Sheathing, material and thickness ...	-	-	-	
Thickness of Plating abreast Deck openings } in way of Bridge .....		.50	✓		<b>Bridge Deck.</b>				
Thickness of Plating within line of openings...		.42	✓	Rule .38 - .36	Stringer Plate, breadth and thickness.....	-	-	-	
If Sheathed, material and thickness .....		.38	✓		Plating, Sheathing, material and thickness ...	-	-	-	
<b>Second Deck.</b>		.70	✓		<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness in Wells...		.42	✓	.38	Stringer Plate, breadth and thickness.....	None	.36	.44	
					Plating, Sheathing, material and thickness ...		.34		

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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 .....	52✓	78✓	68✓	68✓		dbl	1✓	3 <sup>7</sup> / <sub>8</sub> ✓	4R-3R✓	1✓	4✓	Lapped.✓	
„ DBLG. (if any)	-	-	-	-		-	-	-	-	-	-	-	
BOTTOM PLATING, No. } of Strakes four.....	3-73✓ 1-66✓	60✓	50✓	50✓		dbl	7/8✓	3 <sup>4</sup> / <sub>9</sub> ✓	3R✓	1/8✓	3 <sup>1</sup> / <sub>2</sub> ✓	Lapped.✓	
BILGE PLATING, No. of } Strakes .....one.....	63✓ 3-77✓	60✓	50✓	50✓		"	"	"	"	"	"	"	
SIDE PLATING, No. of } Strakes .....two.....	1-72✓	60✓	46✓	46✓		"	"	"	"	"	"	"	
UPPER DECK, Sheer- } strake in Wells.....	77✓	66✓	46✓	46✓		"	"	"	4R-3R✓	"	3 <sup>1</sup> / <sub>2</sub> ✓	"	
UPPER DECK, Sheer- } strake in Bridge ...	-	-	-	-		-	-	-	-	-	-	-	
STRAKE BELOW Sheer- } strake in Wells.....	72✓	62✓	46✓	46✓		dbl	7/8✓	3 <sup>4</sup> / <sub>9</sub> ✓	4R-3R✓	1/8✓	3 <sup>1</sup> / <sub>2</sub> ✓	Lapped.✓	
STRAKE BELOW Sheer- } strake in Bridge ...	-	-	-	-		-	-	-	-	-	-	-	
POOP SIDE PLATING .....	-	-	-	-		-	-	-	-	-	-	-	
BRIDGE SIDE PLATING ...	-	-	-	-		-	-	-	-	-	-	-	
FOREC'TLE SIDE PLATING	-	-	42✓	-		Single✓	3/4✓	3✓	1R✓	3/4✓	2 <sup>5</sup> / <sub>8</sub> ✓	Lapped.✓	

## WATERTIGHT BULKHEADS.

## FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—						
Extending to Upper Deck (Sec. 3 c)		one ✓				
" Deck next below		SIX ✓				
As per Rule		seven. ✓				
		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings	Spacing.
MIDSHIP BULKH'D, Upper tween decks		-	-	-	-	-
"	" Second "	-	-	-	-	-
"	" Third "	-	-	-	-	-
"	" Holds	45-26	12x3½x52x315	30	150	-
"	" (in Hold)	52-26	10x3x50x94	24	one. 3. B. B chain 12 bottom	-
"	"	48	11x3x60x94	"	one. 3. B. B	-
"	"	42-30	6½x3x44	24	Recess Top	-
COLLISION						
AFTER PEAK						

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		Flat plate Keel.		
STEM	Forging.	9½x258	Sunderland	
STERN FRAME	Propeller Post	10½x78	Forge	
	Rudder	9x78	and	
RUDDER—AxD.	124.82x3.294	411.15	Eng <sup>r</sup>	
Speed of Vessel		11 knots	C. Ld	
RUDDER mainpiece at head		10"		
" " heel		7½"		
" how constructed	Forging	Arms shrunk on.		
" double or single plate		1.08"		
" coupling, vertical or horizontal		Vertical		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *open hearth process.*  
*The SSIS.*  
*South Durham Steel & Iron Co. Ld.; Dorman Long & Co. Ld.; Bolckon Vaughan & Co. Ld.; Cargo Fleet Iron Co. Ld.*

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



EQUIPMENT No. 38726												LETTER at.		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.				
30438	1st Bower ...	68	3	0	-	-	-	53	1	3	14	68	Byers Improved	not given	Sld	25-10-27
30439	2nd „ ...	68	1	0	-	-	-	52	15	2	14	68	„ „	„ „	„	26-10-27
30440	3rd „ ...	58	2	0	-	-	-	44	10	0	0	58	„ „	„ „	„	26-10-27
	Collective weight.	195	2	0								194				J.H. Butler.
60554	Stream .....	19	1	0	5	0	3	20	1	3	14	19	Ordinary F.W.	N. Bloomer & Sons	Tipton.	19.10.27. W.A. Drysdale

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- tory.	Break- ing.	Supplied.	Per Rule.			Length.	Diam.					Length.	Cir.		Length.	Cir.
15508	Fathoms. 135 1/2	Ins. 2 5/16	Tons. 964	Tons. 134 1/2	Cwts. 370	qrs. 0	lbs. 4	Cwts.	Fathoms. 270	Ins. 2 5/16	N. Bloomer & Sons Ltd.	Sld. 4-11-27	TOWLINE...	Fathoms. 120	Ins. 5 1/2	Tons. 65	Fathoms. 120	Ins. 5 1/2	
15489	135 1/2	2 5/16	964	134 1/2	370	- 1 21			270	2 5/16	N. Bloomer & Sons Ltd.	" 28-10-27	HAWSERS & WARPS }	2-90	2 3/4	15 1/2	2-90	2 3/4	
	270				44	2 0			270	2 5/16	"	"		2-90	2 1/2	12 1/2	2-90	2 1/2	
Iron Stream Chain or Steel Wire	90	Cir. 5	59						90	Cir. 5	Galva	Roberts & Co Ltd	"						

Steering Gear, Steam *I. Lynn & Co. Ltd. Nelson Pirrie Type controlled by Telemotor gear with brake* Steering Gear, Hand *Auxiliary Gear:- Relieving Tackle of Flex. Steel Wire Rope and iron blocks operated from winch.*

Boats *2 Lifeboats 27-0* Steering Chains, Size and Test *-* Windlass *Emerson Walker & Thompson Bros. Ltd.*

Ceiling in Holds, thickness and material *Under hatches & over bilges 2 1/2" W. Pine* Cargo Battens, thickness, material and spacing *2" White pine spaced 9"*

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

Size of No. 1 Hatchway (Forward) *29'3" x 22'0"* No. 2 *33'4" x 22'0"* No. 3 *18'1" x 22'0"* No. 4 *33'7" x 22'0"* No. 5 *31'0" x 22'0"* No. 6

Number of Shifting Beams and/or Fore and Afters *5 in Nos 1 & 5 hatches; 6 in Nos 2 & 4 hatches; 3 in No 3 Hatch*

Builder's Signature *W. Hallacher*

GENERAL DECLARATION *This vessel has been constructed in accordance with the approved plans, the Rules and Secretary's letters. The materials and workmanship are good. The freeboard has been verified and the marks cut in on the vessel's sides. The deep tanks, peak tanks, and double bottom tanks including dry tank under boilers have been satisfactorily tested under pressure in accordance with the Rule requirements. The W.2 Bulkheads, decks, tunnel, and W.3 doors have been hosed and found satisfactory. The approved plans (4 in number) "maships Section"; "Profile and deck plan"; "Modified profile and deck plan"; "Truss recess stiffening in way of deep tanks"; "Alternative arr't of Bracket Roor"; "Arrangement of Engine & Boiler space"; & "Pumping plan" together with three forging certificates, and "Profile & dk plan" as built are forwarded herewith.*

The amount of Entry Fee ..... £ 9: : Fees applied for, 10 Jan 1928

Special Survey Fee.... £ 326: 2: Received by me, 28.1.19

*Freeboard*

*Travelling Expenses, if any £ 10: 1: 78*

I am of opinion the Vessel should be Classed *+ 100 A.1 with fbd.*

State whether the Vessel has been built under Special Survey *yes.* Signature *W.P. Hollings & A. Charlton*

Certificate to be sent to *SUNDERLAND* Date of issue *27/1/28*

Committee's Minute *FRI. 20 JAN 1928*

Character assigned *+ 100 A.1 With Freeboard*

*Lloyd's A & C.P.* *+ L.M.C. 1:28*

*W.A. Drysdale*



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	44-3-7	KH	4899	30-9-27
2nd "	45-2-21	KH	4900	30-9-27
3rd "	39-0-21	KH	4890	30-9-27

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle <sup>ON Superstructure</sup> 38 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Complete superstructure.*

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *1 Dk (Stl.) & Shelter dk (Stl.)*

Official No. *149970*; Signal Letters \_\_\_\_\_ Is bottom of Vessel coated with cement *yes* if not give particulars of composition \_\_\_\_\_

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	118.83	375	Fore peak tank,	20.25	143
Double bottom, under Engines and Boilers,	-	-	After peak tank,	14.00	80
Double bottom, if under Engines only,	31.00	145	Deep tank, aft,	23.25	890
Double bottom, if under Boilers only,	-	-	Deep tank, forward,		
Double bottom, forward,	187.33	730	Other tanks, if fitted,		
Total capacity of double bottom		1250	(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. *5638*

Date *27.6.27*

Dates of Surveys held while building

*1927 July 4.7.15.20.26 Aug. 2.10.12.16.17.19.25.30.31 Sep. 2.6.8.13.16.20.23.27.30 Oct. 3.5.7.10.11.14.17.18.19.21.24.27 Nov. 1.3.4.8.10.11.14.16.17.25.28.29 Dec. 5.7.14.20.29.30 1928 Jan. 3.*

Total No. of Visits *55*