

STEEL STEAMER or MOTORSHIP.

15 MAY 1931

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 May 14th 1931.Port of SunderlandNo. 30637Survey held at Sunderland Date First Survey Dec 8th 1930 Last Survey May 11th 1931.On the S.S. "BENEFICENT." Single Screw. Machinery Agt.State Type Full Scantling State Type of Erections R.Q.D. & 46e.TONNAGE under 2306.62 GLASS + 100A1. State if with freeboard No. Built at SunderlandDo. of space or spaces between Tonnage Dk. and Upper Dk. Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 315.5. Launched 16th April 1931. Yard No. 231.Total Breadth (greatest moulded) B 45.0. Builders Wm Pickersgill & Sons Ltd.Gross Tonnage 2943.63. Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 22.42. Owners Westoll Steamships Ltd.r Tonnage 1673.54. 1st Longitudinal Number (L x D) = 7,074. Managers ✓REGISTERED DIMENSIONS. FEET. 2nd Numeral L x (B + D) = 21,271. Residence Sunderland.316.5. Framing Depth "d," at middle of length. See Sec. 3 (1d) 19.38. Port of Registry Sunderland.45.25. Proportions—Depth to Length—Uppermost continuous deck to top of keel 14.07. If surveyed while building, afloat, yes.20.3. Draught Moulded 19' 10" 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.
ES, Spacing amidships	27		Bracket Floors, Frame	✓
" from $\frac{3}{4}$ length to Collision bulkhead	27		" " Reversed Frame	✓
" in peaks	24		" " Vertical Struts	✓
FRAMING.			Centre Girder, depth and thickness amidships	36 $\frac{1}{2}$ x 46
Amidships, Angle, E or [<u>N.B.S.</u>	9 3 $\frac{1}{2}$ 50		" " top Angles	5 5 43
Extends up to	Upper Dk		" " bottom Angles	5 5 49
Red Frame Amidships, Angle <u>B.A.N.B.S.</u>	11 3 $\frac{1}{2}$ 45		Side Girders, No. each side and thickness	One—34.
Extends up to	R.Q.D.		Margin Plate depth (excl. of flange) and thickness	Tank Top Straight out.
h of Framing Girder	11.		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	3 $\frac{1}{2}$ 3 34
es in Uppermost Continuous 'tween Decks, Angle, [or [✓		" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	3 $\frac{1}{2}$ 3 34 Double
" Second 'tween Decks, Angle, [or [✓		" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	✓
" Third " " "	✓		" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	✓
ing in Peaks, Angle or [6 3 40		Tank Side Brackets, height above base line at toe of Frame and thickness	5 3 $\frac{1}{2}$ 41.
eter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5"		INNER BOTTOM PLATING.	
if Frame Joggled	No.		Breadth and thickness of Middle Line Strake	46 $\frac{1}{2}$ x 50
NG ARRANGEMENTS (Sec. 7), state system and particulars	3 Strakes shell 52, 2 Runners on frames 3 x 3 x 40 B Q frames 12 x 3 $\frac{1}{2}$ x 45 B.A.N.B.S. frame bottoms 6 x 5 x 34, 2 1/2 at girders each side. Bottom shell midship ths.		Thickness of remainder in Holds	50.
STRENGTHENING OF BOTTOM FOR RD. State Particulars			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.
BOTTOM.			BEAMS.	
s, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Walls, Angle, E or [<u>N.B.S.</u>	9 3 $\frac{1}{2}$ 38
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, [or [✓
e Line Keelson, on Floors, Angles, [or [✓		Spacing	Every
" " Through Plate or Intercoastal Plate	✓		R.Q. Second Deck, amidships, Angle, E or [<u>N.B.S.</u>	9 3 $\frac{1}{2}$ 38
" " Foundation Plate on Floors	✓		Spacing	Every
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, [or [✓
Keelsons, No. each side	✓		Spacing	✓
" thickness of Intercoastal Plate	✓		Fourth Deck, amidships, Angle, [or [✓
" Angles	✓		Spacing	✓
LE BOTTOM.			Poop Deck, Angle, [or [✓
Floors, thickness and spacing	36. Every		Spacing	✓
" Are Frame and Reversed Frame joggled?	No		Bridge Deck, Angle, [or [✓
ket Floors, breadth and thickness at middle line	✓		Spacing	✓
" breadth and thickness at margin plate	✓		Forecastle Deck, Angle, E or [<u>N.B.S.</u>	9 3 $\frac{1}{2}$ 38
			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 " "		✓		Thickness of Plating within line of openings...		✓	
,, " " " " "		✓		If Sheathed, material and thickness		✓	
Centre Line Bulkhead.				R. G.			
Stiffeners and Spacing.....		✓		Third Deck.			
Plating, thickness of		✓		Stringer Plate, breadth and thickness.....		84" x 30" 42"	
				" Angle		6" 6" 60"	
				If Plated, state thickness.....		✓	
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....		✓	
Stringer Plate, breadth and thickness in Wells		84" x 94"		If Plated, state thickness		✓	
,, " " " " in way of Bridge		✓		Poop Deck.			
,, Angle in Wells		6 6 78		Stringer Plate, breadth and thickness		✓	
Thickness of Plating abreast Deck openings in way of Wells		✓		Plating, Sheathing, material and thickness ...		✓	
Thickness of Plating abreast Deck openings in way of Bridge		✓		Bridge Deck.			
Thickness of Plating within line of openings..		40-36		Stringer Plate, breadth and thickness.....		✓	
If Sheathed, material and thickness		✓		Plating, Sheathing, material and thickness ...		✓	
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...		✓		Stringer Plate, breadth and thickness.....		32	
				Plating, Sheathing, material and thickness ...		32 2 1/2" P.P.	

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	45½	.63	.57	.57		Double	7/8	3¼	3	7/8	3	Strapped	
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes	3	.52	.41	.41		Double	¾	3	3	¾	2 5/8	Strapped	
BILGE PLATING, No. of Strakes	1	.52	.41	.41		Double	¾	3	3	¾	2 5/8	do.	
SIDE PLATING, No. of Strakes	2	.52	.40	.40		Double	¾	3	3	¾	2 5/8	do.	
UPPER DECK, Sheer- strake in Wells	48	.84	.40	-		Double	1	4	4	1	4	do.	
R. Q. UPPER DECK, Sheer- strake in Bridge	59	.59	-	.40		Double	7/8	3½	3	7/8	3	do.	
U. D. R. STRAKE BELOW, Sheer- strake in Wells	70	.69	.40	-		Double	7/8	3½	4	7/8	3 3/8	do.	
R. Q. STRAKE BELOW, Sheer- strake in Bridge	48	.56	.40	.40		Double	7/8	3½	3	7/8	3	do.	
POOP SIDE PLATING	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
FOREOTLE SIDE PLATING		.38	✓	✓		Single	¾	3	1	¾	2 5/8	Strapped.	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)

Deck next below

As per Rule

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D,	Upper tween decks	✓				
"	Second "	✓				
"	Third "	✓				
"	Holds	37-31	12x31x46 B.A. HB.S	30	✓	✓
COLLISION	(in Hold)	46-34	7x3x34 B.A.	24	2 Semi Box Beams, 34.	
AFTER PEAK	"	46-30	6x3x36 B.A.	24.	Flat.	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM		Forging $8 \times 2\frac{1}{2}$ Ingleham		
STERN FRAME {				
Propeller Post		$9 \times 5\frac{3}{4}$ I.S.		
Rudder		Forging $8 \times 5\frac{3}{4}$ Foster		
RUDDER—A x D		231.8.		
Speed of Vessel		Not exceeding 10 knots		
RUDDER mainpiece at head		Forging $7\frac{1}{2}$ I.S.		
" " heel		$6 \times 7\frac{1}{2}$ Foster		
" " how constructed		3 Ribs 2 at Head 1 at Heel. Stream Line Plate on leading edge		
" " double or single plate		40		
" " 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) *Open Heart*
Dorman Long, Cargo Fleet, Consett, Peased Partners, South Durham.

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

EQUIPMENT No 22622.										LETTER <i>X</i>	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.	
92282	1st Bower	42	3	16				37	17	2	0.
92280	2nd "	42	3	7				37	15	2	14
92281	3rd "	35	2	21				32	18	3	0
	Collective weight.	121	1	16							
92325	Stream	11	2	25	3	0	3	13	12	2	0

CHAIN CABLES.

HAWERS 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.	
	Fathoms.	Ins.	Tons.	Break-ing.	Supplied.	Per Rule.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
97279	120	1 7/8	63 1/4	88 1/2	213-0-14		120	1 7/8	Stud-Runk	N. Hingley	L.P.H.N. 11.2.31.H.G.	TOWLINE	100	4	33.2	100	4
97289	120	1 7/8	63 1/4	88 1/2	213-0-14		120	1 7/8	Stud-Runk	N. Hingley	L.P.H.N. 11.2.31.H.G.	HAWERS & WARPS	2290	2 1/4	15.2		
					426-0-21	425-1-0							4290	2 1/2	13.2	2290	2 1/2
													2290	2 1/4	10.8	2290	2 1/4
Stream Chain or Steel Wire	75	4 1/4	36.4				75	4 1/4									

Steering Gear, Steam *J. Symm & Co Ltd* Steering Gear, Hand *Anchor blocks & Tackles*
 Boats *2. 22 ft. 1.15 Dingley* Steering Chains, Size and Test *1 1/4" 18.15.0.0* Windlass *Emerson Walker*
 Ceiling in Holds, thickness and material *None* Cargo Battens, thickness, material and spacing *None*
 Cargo Hatchways. (Upper Deck) *Steel plates and angles* Thickness of Hatches *3"*
 Size of No. 1 Hatchway (Forward) *40'6" x 29'9" No. 2 40'6" x 29'11" No. 3 36'0" x 29'4" No. 4 36'0" x 29'11" No. 5* No. 6
 Number of Shifting Beams and/or Fore and Afters *No. 1-6: No. 2-6: No. 3-5: No. 4-5.*

W. PICKERSGILL & SONS LTD.

Builder's Signature

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.

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

The materials and workmanship are good.

The double bottom tanks, fore and after peaks, deep tank, decks, waterways and bulkheads have been tested as required by the Society's Rules and found satisfactory. The windlass, steering gear and pumps have been tried and found satisfactory.

The following approved plans are enclosed: - Midship Section, Profile & Decks, Pumping Arrangements, Hatchweb Slides and Rudder plan. (5 plans.)

also Midship Section and Profile & Decks, as built.

2 Forging Certificates enclosed: - Rudder frame & Stern frame.

The amount of Entry Fee £ *6* : : : Fees applied for, *3 MAY 1931*

Special Survey Fee.... £ *222* : *4* : : Received by me, *20/11/31*

Freeboard *8* : *0* : *0* Travelling Expenses, if any £ : : : *Yes*

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

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

Signature *Colin Bartlett*
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *SUNDERLAND* Date of issue *20/11/31*

WED. 27 MAY 1931

Committee's Minute

Character assigned *+100A1*

cargo battens not fitted

+L.M.C. 5,31

C.L.

Lloyd's A. & Co

TUE. 20 OCT 1931



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Lloyd's Register Foundation

W342-0036 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
2nd "
3rd "

Including pin

27-3-0 K.H. 8102. 13.6.30.

27-2-12. K.H. 8017 23.5.30

21-2-12. K.H. 8088. 13.6.30.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 185.7 ft., Bridge ☒ ft., Forecastle 32.3 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 DK: STEEL.**

Official No. **162,000**; Signal Letters _____ Is bottom of Vessel coated with cement **yes** if not give particulars of composition _____

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	101	341	Fore peak tank,	24	188.
Double bottom, under Engines and Boilers,	43	81.	After peak tank,	12	26.
Double bottom, if under Engines only,			Deep tank, at amidships.	11	419
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	110	334	Other tanks, if fitted,		
	Total capacity of double bottom	756	(If necessary, furnish further information by sketch.)		

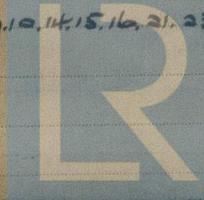
Order for Special Survey No. **5763**

Date **12.12.30**

Dates of Surveys held while building

1930. Dec. 8, 10, 12, 15, 16, 19, 22, 24. 1931. Jan. 6, 12, 19, 20, 27, 30. Feb. 3, 5, 9, 12, 16, 19, 24, 27
Mar. 3, 5, 9, 11, 13, 17, 19, 22, 23, 24, 26, 31. Apr. 2, 9, 10, 14, 15, 16, 21, 23, 28, 29, 30. May 1, 4, 11

Total No. of Visits **48**



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