

## STEEL STEAMER or MOTORSHIP.

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

Received at London Office

16 1938

State if Report is sent on the Machinery of the Vessel *Yes (from Liph.)*Date of completion of report *14<sup>th</sup> May 1938*Survey held at *Sunderland*Port of *Sunderland*Date First Survey *25 June '37*Last Survey *6 May 1938*No. *32379*On the *Single Screw*State Type *Complete Superstructure with Tonnage Openings*TONNAGE under Tonnage Deck *4986.74*CLASS *+ 100A1*State if with freeboard as condition of Class *Yes*Built at *Sunderland*

Do. 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 424.96*Launched *Dec 18<sup>th</sup> 1937* Yard No. *238*Breadth (greatest moulded) *B 56.0*Builders *Wm Pickering & Sons Ltd.*

Total

Gross Tonnage *5444.71*Register Tonnage *3201.97*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 29.33*Owners *The Dulverton Steamship Co. Ltd.*1st Longitudinal Number (L x D) *= 15828*Managers *W. J. Tatem Ltd.*2nd Numeral L x (B + D) *= 39572*

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

## REGISTERED DIMENSIONS.

FEET.

Length *430.15*Breadth *56.2*Depth *26.85*Framing Depth "d," at middle of length. See Sec. 3 (1d) *25.70*Residence *113-116 Butts Street, Cardiff*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.21*Port of Registry *London*Do. Long Bridge to top of keel *✓*If surveyed while building, afloat, or in dry dock *Yes*Draught Moulded *25'-7"*

## 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.
<b>FRAMES, Spacing amidships</b>	<i>27</i>	<i>✓</i>	<b>Bracket Floors, Frame</b>	<i>6 3/2 34</i>	<i>✓</i>
" " from 1/2 length amidships to Collision bulkhead	<i>27</i>	<i>✓</i>	" " Reversed Frame	<i>5 1/2 3 34</i>	<i>✓</i>
" " in peaks	<i>24</i>	<i>✓</i>	" " Vertical Struts	<i>5 1/2 3 34</i>	<i>✓</i>
<b>FRAME FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	<i>4 3/2 54</i>	<i>✓</i>
Frame Amidships, Angle, <i>E</i> or <i>F</i> <i>NBS 12+4+4+50 8 56 60</i>	<i>✓</i>	<i>✓</i>	" " top Angles	<i>3 1/2 3 1/2 48</i>	<i>✓</i>
" " Extends up to <i>2nd deck</i>	<i>✓</i>	<i>✓</i>	" " bottom Angles	<i>5 5 54</i>	<i>✓</i>
<b>Reversed Frame Amidships, Angle</b>	<i>✓</i>	<i>✓</i>	<b>Side Girders, No. each side and thickness</b>	<i>One 36</i>	<i>✓</i>
" " Extends up to	<i>✓</i>	<i>✓</i>	<b>Margin Plate depth (excl. of flange) and thickness</b>	<i>4 5 3/4 52</i>	<i>✓</i>
<b>Depth of Framing Girder</b>	<i>12</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<i>6 6 44</i>	<i>✓</i>
<b>Frames in Uppermost Continuous 'tween Decks, Angle, <i>E</i> or <i>F</i> <i>NBS</i></b>	<i>7 3 1/2 40</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	<i>6+6+44 9 46</i>	<i>✓</i>
" " Second 'tween Decks, Angle, <i>E</i> or <i>F</i> <i>6 3 1/2 36</i>	<i>✓</i>	<i>✓</i>	" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>5+5+44 double</i>	<i>✓</i>
" " Third " " " "	<i>✓</i>	<i>✓</i>	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	<i>3 1/2 3 1/2 46</i>	<i>✓</i>
" " from 1/2 len. for'd. to 15% len. from Stem	<i>✓</i>	<i>✓</i>	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	<i>3 1/2 3 1/2 46 8 56</i>	<i>✓</i>
" " in Peaks, Angle, <i>E</i> or <i>F</i> <i>NBS</i>	<i>8 3 1/2 34</i>	<i>✓</i>	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	<i>70 44</i>	<i>✓</i>
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	<i>7/8 6 3/8</i>	<i>✓</i>	<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>	<i>No.</i>	<i>✓</i>	Breadth and thickness of Middle Line Strake	<i>54 52</i>	<i>✓</i>
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>Yes.</i>	<i>✓</i>	Thickness of remainder in Holds	<i>42.</i>	<i>✓</i>
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>Yes.</i>	<i>✓</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>	<i>✓</i>
<b>ANGLE BOTTOM.</b>			<b>BEAMS.</b>		
Floors, Depth and thickness at mid-line in Holds	<i>✓</i>	<i>✓</i>	<b>Uppermost Continuous Deck, amidships</b>	<i>7 3 1/2 39 40</i>	<i>✓</i>
Height of Brackets at side above base line at toe of frame	<i>✓</i>	<i>✓</i>	" " in Wells, Angle, <i>E</i> or <i>F</i> <i>7 3 1/2 41 4 45</i>	<i>✓</i>	<i>✓</i>
<b>Middle Line Keelson, on Floors, Angles, <i>E</i> or <i>F</i></b>	<i>✓</i>	<i>✓</i>	" " in way of Bridge, Angle, <i>E</i> or <i>F</i> <i>5 3 1/2 32</i>	<i>✓</i>	<i>✓</i>
" " Through Plate or Intercoastal Plate	<i>✓</i>	<i>✓</i>	Spacing	<i>27</i>	<i>✓</i>
" " Foundation Plate on Floors	<i>✓</i>	<i>✓</i>	<b>Second Deck, amidships, Angle, <i>E</i> or <i>F</i></b>	<i>7+3+43 47</i>	<i>✓</i>
" " Flat Plate Keel Angles	<i>✓</i>	<i>✓</i>	Spacing	<i>7+3+51</i>	<i>✓</i>
<b>Side Keelsons, No. each side</b>	<i>✓</i>	<i>✓</i>	" " <i>8+3+38</i>	<i>✓</i>	<i>✓</i>
" " thickness of Intercoastal Plate	<i>✓</i>	<i>✓</i>	<b>Third Deck, amidships, Angle, <i>E</i> or <i>F</i></b>	<i>✓</i>	<i>✓</i>
" " Angles	<i>✓</i>	<i>✓</i>	Spacing	<i>✓</i>	<i>✓</i>
<b>DOUBLE BOTTOM.</b>			<b>Fourth Deck, amidships, Angle, <i>E</i> or <i>F</i></b>	<i>✓</i>	<i>✓</i>
Solid Floors, thickness and spacing	<i>40 9'-0"</i>	<i>✓</i>	Spacing	<i>✓</i>	<i>✓</i>
" " Are Frame and Reversed Frame joggled?	<i>Reverse Frame Yes.</i>	<i>✓</i>	<b>Poop Deck, Angle, <i>E</i> or <i>F</i></b>	<i>✓</i>	<i>✓</i>
" " Frame	<i>No.</i>	<i>✓</i>	Spacing	<i>✓</i>	<i>✓</i>
<b>Bracket Floors, breadth and thickness at middle line</b>	<i>33 40</i>	<i>✓</i>	<b>Bridge Deck, Angle, <i>E</i> or <i>F</i></b>	<i>✓</i>	<i>✓</i>
" " breadth and thickness at margin plate	<i>33 40</i>	<i>✓</i>	Spacing	<i>✓</i>	<i>✓</i>
			<b>Forecastle Deck, Angle, <i>E</i> or <i>F</i></b>	<i>6 8+3+46</i>	<i>✓</i>
			Spacing	<i>6+3+30</i>	<i>✓</i>
				<i>27 24</i>	<i>✓</i>



## 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>					Stringer Plate, breadth and thickness in way of Bridge .....	✓			
" in 'tween Decks, Size and Spacing.....	5+3+35-29	alternate			Thickness of Plating abreast Deck openings in way of Wells .....	37	6	30	✓
" " " " "	Plating 26 x 38	✓			Thickness of Plating abreast Deck openings in way of Bridge & B.L. Curving .....	35			✓
" in Holds " " ✓					Thickness of Plating within line of openings... ..	34	6	30	✓
" " " " " ✓					If Sheathed, material and thickness .....	✓			
<b>Centre Line Bulkhead.</b>					<b>Third Deck.</b>				
Stiffeners and Spacing.....	5 NBS.	11x3½+42-50	✓ as approved		Stringer Plate, breadth and thickness.....	✓			
Plating, thickness of .....		54"	✓		If Plated, state thickness.....	✓			
		30	✓		<b>Fourth Deck.</b>				
<b>STRINGERS AND DECKS.</b>					Stringer Plate, breadth and thickness.....	✓			
<b>Uppermost Continuous Deck.</b>					If Plated, state thickness .....	✓			
Stringer Plate, breadth and thickness in Wells	92	62	✓		<b>Poop Deck.</b>				
" " " " in way of Bridge ✓					Stringer Plate, breadth and thickness .....	✓			
" Angle in Wells .....	6	6	62	✓	Plating, Sheathing, material and thickness ...	✓			
Thickness of Plating abreast Deck openings in way of Wells .....	58	6	46	✓	<b>Bridge Deck.</b>				
Thickness of Plating abreast Deck openings in way of Bridge & B.L. Curving..)	47		✓		Stringer Plate, breadth and thickness.....	✓			
Thickness of Plating within line of openings...	40	6	36	✓	Plating, Sheathing, material and thickness ...	✓			
If Sheathed, material and thickness .....	2½" O.P. aft		✓		<b>Forecastle Deck.</b>				
<b>Second Deck.</b>					Stringer Plate, breadth and thickness.....	36			✓
Stringer Plate, breadth and thickness in Wells...	96+	41	✓		Plating, Sheathing, material and thickness ...	34			✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>Yes</i>			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 1/2	.79	.69	.69		double	1	3 6/7	✓	4	1	4	Capped
„ DBLG. (if any)	✓												
BOTTOM PLATING, No. of Strakes <i>4 in x.</i>	1-7 1/4 2-7 1/2	.57	.67	.50		double	7/8	3 3/4	✓	4	7/8	3 1/2	Capped
BILGE PLATING, No. of Strakes <i>One</i>	7 1/2	.57	.50	.50		do	7/8	3 3/4	✓	4	7/8	3 1/2	do
SIDE PLATING, No. of Strakes <i>4 in x.</i>	69	.57	.47	3-.47	✓	do	7/8	3 3/4	✓	3	7/8	3 1/4	do
UPPER DECK, Sheer- strake in Wells.....	83 1/2	.68	.47	.47	✓	do	7/8	3 3/4	✓	4	7/8	3 1/2	do
UPPER DECK, Sheer- strake in Bridge ...	✓												
STRAKE BELOW Sheer- strake in Wells.....	83 1/2	.59	.47	.47	✓	double	7/8	3 3/4	✓	4	7/8	3 1/2	double
STRAKE BELOW Sheer- strake in Bridge ...	✓												
POOP SIDE PLATING .....	✓												
BRIDGE SIDE PLATING ...	✓												
FOREC'TLE SIDE PLATING		.42	✓			Single	7/8	3 1/2	✓	2	3/4	2 5/8	Capped

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)	One. ✓
„ Deck next below	Six. ✓
As per Rule	Seven. ✓

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar .....		Flat.	✓	
STEM .....		Rolled 10" x 1/2", Bonsett Iron Co. 10 1/2" x 8 1/4" Walsingham 13" x 8 1/4" Steel Co.		
STERN FRAME {	Propeller Post .....			
	Rudder .....			
Speed of Vessel .....		10 knots	✓	
RUDDER—Type .....	"Tartar" Forging.			
"	A x D .....	Ann's Cast Steel		
"	Diam. of head .....	7"	✓	
"	Mainpiece at top pintle .....	12"	✓	
"	" heel .....	8 1/2"		
"	how constructed .....	Ann's shrink on & keyed.	✓	
"	double or single plate .....	double	✓	
"	coupling, vertical or horizontal .....	Horizontal.	✓	

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
			NBS.			
	Frames 94 & 100		45-26 1/2" x 4 + 1/4"	62 27" x 30"		
	MIDSHIP BULKHEAD, Upper tween decks		45-39-26	27-28"		
	Frames 72 & 108		46-40-26 1/2" x 4 + 1/4"	62 27"		
"	Second		47-41-26 1/2" x 4 + 1/4"	62 27"		
"	Frames 43					
"	Third					
"	Frame 151					
"	Holds					
	COLLISION		7+3+43 1/2" NBS		W. T. Flat	7'-0"
"	(in Hold)		54-30 1/2" x 3+32 L	24	2 SB Beams	6'-6"
	AFTER PEAK		8+3+46 1/2" NBS			
"	"		50-30 1/2" x 3+34 L	24	S. B. Beam	10'-0"
"	"		7+3+34 1/2"			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Heart*  
*Consett Iron Co. Ltd. Durham S & I Co. Dorman Long & Co.*  
*Skinner & Co. Ltd. Appleby Poldingham Steel Co. Cargo Fleet S & I Co.*  
 Has the Steel been tested as required by the Rules? *Yes*



32379.

EQUIPMENT No 40335 ✓												LETTER A + ✓		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.
37487	1st Bower ...	68	2	-	✓	-	-	52	18	3	-	✓	68	✓	Stockless. Byers	Not stated Sunderland. 7/9/37 J.H.B.
37493	2nd „ ...	68	1	-	✓	-	-	52	15	2	14	✓	68	✓	do.	„ 10/9/37 „
37493	3rd „ ...	58	2	7	✓	-	-	47	11	1	-	✓	58½	✓	do.	„ 5/9/37 „
	Collective weight.	195	1	7	✓	-	-	-	-	-	-	-	194½	✓	-	-
96565	Stream .....	19	0	14	✓	4	3	7	19	19	2	21	-	-	Ordinary (FW) W. Hingley & Sons	Netheriton 11/9/37 J.A.R.
96564		7	2	14	✓	2	0	4	9	15	3	21	✓	-	do.	do do do
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.	Stations.	Breaking.	Supplied.	Per Rule.	Length.	Diam.	Length.					Cir.	Length.		Cir.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.						Fathoms.	Ins.	Tons.	Fathoms.	Ins.
88562	135	2 5/16	96.25	134.75	360-3-0	720 3/4	270	27 1/16	Shank Link	W. Hingley & Sons	Netheriton 11/6/37 JAR	TOWLINE...	120	4 3/4	64.6	120	4 3/4	
88588	135	2 5/16	96.25	134.75	360-1-21					do.	" 16/6/37 JAR	HAWSERS & WARPS	4-90	3	18.6	2-90	2 3/4	

Steering Gear, Type (Power or hand) *Donkin & Co Power*. Alternative Means of Steering *Hand Steering Gear (Donkin & Co)*

Steering Chains (Size and Test) ✓ *Telemotor*. Windlass *Clarke Chapman & Co* Boats *2-28' lifeboats  
1-18' gal dinghy.  
1-16'*

Ceiling in Holds, thickness and material ✓ Cargo Battens, thickness, material and spacing *6" x 2". 9" spacing.*

Cargo Hatchways.-(Upper Deck) *Steel plates & angles.* Thickness of Hatches *2¾"*

Size of Hatchways No. 1 (Fwd.) *31'6" x 22'6"* No. 2 *31'6" x 22'6"* No. 3 *31'6" x 22'6"* No. 4 *31'6" x 22'6"* No. 5 *31'6" x 22'6"* No. 6 ✓

Number of Shifting Beams } *Five each hatch.*  
and/or Fore and Afters }

FOR WM. PICKERSGILL & SONS, LIMITED.  
*W. J. Pickersgill*  
Chairman & Managing Director.

Builder's Signature

GENERAL 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 *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 (where required to be inserted in the Notation).

The vessel has been built in accordance with the approved plans, the Secretary's letters and the Rules. The material and workmanship are good. ✓

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

The double bottom tanks and fore and after peak tanks have been tested in accordance with the Rules. ✓

The decks, bulkheads, tunnel, hand pumps, and watertight doors have been satisfactorily tested.

The rudders and steering gear have been tested satisfactorily ✓

The amount of Entry Fee ..... £ *9* : : Fees applied for, *14 MAY 1938*

Special Survey Fee.... £ *336* : *2* : *6* Received by me, *11.6 19.38*

*Freeboard* *16* : : I am of opinion the Vessel should be Classed *+ 100 A1*

*Travelling Expenses, if any £* : : *with freeboard.*

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

Certificate to be sent to *SUNDERLAND*. Date of issue *14/6/38* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI 20 MAY 1938*

Character assigned *+ 100 A1*

*Lloyds A & Co* *with freeboard*

*with the (m)* *+ Lmc 5.38*

*280 (Spt) 1 Aug 38*

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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.)

Sister vessel Sunderland Rpt 32195 1/2 "NORTHLEIGH"  
The following plans are enclosed:-  
As built - Midships Section, Profile & Decks.  
Certificates of forgings and castings are enclosed together with list of approved plans.

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 <b>Drop Test</b> of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower <sup>44 95 lbs.</sup> 44-2-14 (including pins) R. L. 6780. 9/7/37.
	2nd „ 45-0-7.1 do ) R. L. 6779. 9/7/37.
	3rd „ 36-3-7.1 do ) I. F. R. 2498. 20/8/37.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 37.83 ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.  
Official No. 166440 Signal Letters Extreme Breadth over Belting ✓ Over-all Length 447.25' ✓  
No. and Material of Decks 12k (Stl) and Shells Stl (Circ. 1811) (Circ. 1703)  
Parts of Bottom of Vessel coated with cement or approved composition cemented throughout. ✓  
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.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	136.75	379	Fore peak tank,	24.25	94
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	26.00	288
Double bottom, if under Engines only,	22.50	109	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only, (Dry Tank)	20.25	102.6	Deep tank, forward,	✓	✓
Double bottom, forward,	198	821	Other tanks, if fitted,		
Total length (if continuous) and Capacity	377.50	1309	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5831  
Date 19.11.36  
Dates of Surveys held while building  
1937. June 25, 29. July. 6, 13, 15, 20, 23, 27, 29. Aug. 3, 5, 31. Sep. 1, 3, 7, 9, 14, 16, 21, 23, 27, 29. Oct. 1, 5, 7, 11, 13, 14, 18, 19, 21, 25, 26, 28. Nov. 1, 2, 4, 9, 11, 18, 19, 23, 25. Dec. 1, 6, 15, 17, 18.  
1938. Jan. 28. Feb. 1, 3, 4, 10, 11, 20. May. 2, 4, 5, 6.