

*State if Report is sent on the Machinery of the Vessel*

No.

machinery an

### State Type of Erections

State if with freeboard)  
as condition of Class)

*Built at*

**Length** from fore part of stem to after part of stern  
post on summer L.W.L. See Sec. 3 (1a)

FEET.

Launched 18th March 1927 Yard No. 983

**Breadth** (*greatest moulded*)

B 54.79

Builders Messrs Wm Gray and Co Ltd

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

3000

Owners Messrs Crosby Magee

1st Longitudinal Number (L x D).....= 11700

## Managers

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

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

26.5

Residence West Hartlepool

**Proportions**—Depth to Length—Uppermost continuous deck to top of keel .....

13.00

Port of Registry *West Hartlepool.*

Do. Long Bridge to top  
of keel

10.40

*If surveyed while building, afloat, or in dry dock*

**Draught Moulded** 25.24 25.24

Whelst building & afloat

	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.	
S, Spacing amidships .....	✓	28			Bracket Floors, Frame [ NBS	9	3½	47	
" from ¼ length to Collision bulkhead.....}	✓	27			" " Reversed Frame L	8½	3	52	
" in peaks.....}	✓	24			" " Vertical Struts L	8½	3	52	
FRAMING.					Centre Girder, depth and thickness amidships	42	x	52	
Amidships, Angle, [ or ]	✓	12 x 4 x 4	66/60		" top Angles Double.	3½	3½	50	
" Extends up to .....		Upper deck	and to Bridge deck at Salibda		" bottom Angles Double	4	4	56	
Reversed Frame Amidships, Angle .....		Channel Framing			Side Girders, No. each side and thickness .....	One			
" " Extends up to .....	✓				Margin Plate depth (excl. of flange) and thickness .....	37	x	50	
Thickness of Framing Girder.....		12"			" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem .....	6	3½	42	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ] .....	✓	7	3½	42	" " Vertical Angle to Tank side Bracket forward ¼ len. from stem .....	6	6	42	
" Second 'tween Decks, Angle, [ or ] .....	✓				" " Gussets, spacing and scantling abaft ¼ len. from stem.....	42 x 28 x	38	on every frame	
" Third " " " "	✓				" " Gussets, spacing and scantling forward ¼ len. from stem.....	60 x 40	38	on every frame at parting frames	
Framing in Peaks, Angle or [ .....	✓	7½	3½	42	Tank Side Brackets, height above base line at toe of Frame and thickness	5-4			
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	✓	7/8	dias	5½ dias in way of peaks, fwd of 3/5 L & parting for	INNER BOTTOM PLATING.				
If Frame Joggled .....		No			Breadth and thickness of Middle Line Strake ...	50	x	50	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars					Thickness of remainder in Holds .....	42			
STRENGTHENING OF BOTTOM FORWARD. 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 + an additional 10% on floors, tank top, etc under Boilers as desired by Bureau
DOUBLE BOTTOM.					BEAMS.				
Frames, Depth and thickness at mid-line in Holds .....	✓				Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]	11	3½	46	NBS
Height of Brackets at side above base line at toe of frame .....					" " in way of Bridge, Angle, [ or ]	10	3½	57	NBS.
Middle Line Keelson, on Floors, Angles, [ or ] .....	✓				" " Spacing .....	On Every frame			
" " Through Plate or Intercoastal Plate....					Second Deck, amidships, Angle, [ or ] .....				✓
" " Foundation Plate on Floors .....					" " Spacing.....				
" " 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.....				
TRIPLE BOTTOM.					Poop Deck, Angle, [ or ] .....	7½ x 7	3 x 3	42	
Deck Floors, thickness and spacing .....	✓	38 @ 84"	except where on every frame as plan		" " Spacing.....	28	24"		
" Are Frame and Reversed Frame joggled? .....	✓	Yes			Bridge Deck, Angle, [ or ] NBS	9 @ 3½	45		
Bracket Floors, breadth and thickness at middle line.....	✓	3' 6" x	38		" " Spacing.....	28			
" " breadth and thickness at margin plate.....	✓	2' 6" x	38		Forecastle Deck, Angle, [ or ] NBS. 8 x	3½ x 41 @ 27"			
					" " Spacing .....	Bas 7½ x 3½ x 41 @ 24			

## 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 .....	✓	
„ in 'tween Decks, Size and Spacing.....	Fele & Poop 2 1/8 on all beams Bridge 2 1/8 and double channels at hatch ends as approved		Thickness of Plating abreast Deck openings in way of Wells .....	✓	
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
„ in Holds „ „	Centre Line Bulkhead.		Thickness of Plating within line of openings...	✓	
„ „ „ „ „			If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>	BA's NBS 12 x 3 1/2 x 70	Double at Hatch Ends and Trunking top and bottom	<b>Third Deck.</b>		
Stiffeners and Spacing.....	56" apart 8 x 3 x 37		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of .....	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	7 1/2 x 66 56 62 52 (Owners Extra)		If Plated, state thickness .....		
„ „ „ „ in way of Bridge	7 1/2 x 38		<b>Poop Deck.</b>		
„ Angle in Wells .....	6 x 6 x 68		Stringer Plate, breadth and thickness .....	34 as plan	
Thickness of Plating abreast Deck openings in way of Wells .....	64 & 54 60 48 (Owners Extra)		Plating, Sheathing, material and thickness ...	30 Sheathed with 5 x 2 1/2 PP	
Thickness of Plating abreast Deck openings in way of Bridge .....	35		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	42 & 33 38 & 33 (Owners Extra)		Stringer Plate, breadth and thickness.....	7 1/2 x 55 50 General section	
If Sheathed, material and thickness .....	Not Sheathed		Plating, Sheathing, material and thickness ...	46 42 do	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	✓		Stringer Plate, breadth and thickness .....	38 as plan for hatch 34 do	
			Plating, Sheathing, material and thickness ...	38 Sheathed under windlass 34 do	

## SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? No		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS. Diam. Spacing cr. to cr.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.					Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL .....	49	77	68	68	✓	Double	7/8 3 1/2	4R	1	4	Lapped
„ DBLG. (if any)	✓	✓	✓	✓							
BOTTOM PLATING, No. of Strakes ..... 4...	67 1/2	60	46	46	✓	Double	7/8 3 1/2	3R	7/8	3 1/8	do
BILGE PLATING, No. of Strakes ..... 2...	67 1/2	60	46	46	✓	Double	7/8 3 1/2	3R	7/8	3 1/8	do
SIDE PLATING, No. of Strakes ..... 3...	46 1/2	59	44	44	✓	Double	7/8 3 1/2	3R	7/8	3 1/8	do
UPPER DECK, Sheer-strake in Wells.....	64 1/2	1.05	44	44		Double	7/8 3 1/2	4R & 3R	1 1/8	4 x 3 1/8	do
UPPER DECK, Sheer-strake in Bridge ...	50	60	44	44		Double	7/8 3 1/2	3R 4R at ends	7/8 & 1	3 1/8 x 4	do
STRAKE BELOW Sheer-strake in Wells.....	50	66 60 52 54	44	44		Double	7/8 3 1/2	4R & 3R	7/8	3 1/8 x 3 1/8	do
STRAKE BELOW Sheer-strake in Bridge ...	50	59	44	44		Double	7/8 3 1/2	3R	7/8	3 1/8	Lapped
POOP SIDE PLATING .....				38	✓	Single	3/4 3	1R	3/4	2 5/8	do
BRIDGE SIDE PLATING ...	60					Double	7/8 3 1/2	4R	7/8	3 1/2	do
FORECASTLE SIDE PLATING			40			Single	3/4 3	1R	3/4	2 5/8	do.

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	6
Extending to Upper Deck (Sec. 3 c).....	6
„ Deck next below.....	✓
As per Rule.....	6

## STIFFENERS.

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD, Upper tween decks</b>	✓				
„ „ Second „	✓				
„ „ Third „	✓	NBS L 53			
„ „ Holds .....	✓	12 x 3 1/2 x 3 1/2 x 160 @ 30"			
<b>COLLISION</b> „ (in Hold) .....	✓	11 x 3 1/2 x 50 NBS BA's	water-tight flat		
<b>AFTER PEAK</b> „ „ .....	✓	6 x 3 x 44 OA @ 24"	Semi box beam		
		9 x 3 1/2 x 41 BA NBS	water-tight		
		46 - 30 6 1/2 x 3 x 40 BA @ 24"	Flat 9 x 3 beam		

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar .....</b>		Flat Plate Keel		
<b>STEM .....</b>	Rolladbar	9 x 2 1/2 to 9 1/2 x 2 1/2	From Stock	
<b>STERN FRAME</b> { Propeller Post .....	Forging	10 1/2 x 7 1/2	Central Marine	
{ Rudder „ .....		9 x 7 1/2	Engine Works	
<b>RUDDER—A x D.....</b>		505		
<b>Speed of Vessel.....</b>		10 1/4 knots		
<b>RUDDER</b> mainpiece at head ...		10 1/8	Central Marine	
„ „ heel ...		7 1/2	Engine Works	
„ how constructed .....		Forged & built.		
„ double or single plate .....		Single plate 1.04" thick		
„ 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*  
*Plates ÷ South Durham S & S Co. Dorman Long & Co Ltd*  
*Angles ÷ Dorman Long & Co Cargo Fleet Iron Co. Pease & Partners.*  
 Has the Steel been tested as required by the Rules? *yes*

EQUIPMENT No. <i>35121.43</i>										LETTER <i>Z</i>	ANCHORS. <i>3.B. &amp; 1.S.</i>						
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.					
<i>29882</i>	1st Bower ...	<i>64</i>	<i>2</i>	<i>14</i>	<i>Stockless</i>			<i>50</i>	<i>17</i>	<i>2</i>	<i>0</i>	<i>63 3/4</i>	<i>Byrie's Improved Stockless</i>	<i>per Est. Byrie</i>	<i>Sld. 31.3.27</i>	<i>J.H. Butler.</i>	
<i>29883</i>	2nd „ ...	<i>63</i>	<i>3</i>	<i>14</i>	<i>do</i>			<i>50</i>	<i>10</i>	<i>0</i>	<i>0</i>	<i>63 3/4</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	
<i>29884</i>	3rd „ ...	<i>54</i>	<i>2</i>	<i>0</i>	<i>do</i>			<i>45</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>54 1/2</i>	<i>do</i>	<i>do</i>	<i>do</i>	<i>do</i>	
	Collective weight.	<i>183</i>	<i>0</i>	<i>0</i>								<i>182</i>					
<i>59906</i>	Stream .....	<i>18</i>	<i>1</i>	<i>0</i>	<i>4</i>	<i>2</i>	<i>14</i>	<i>19</i>	<i>4</i>	<i>1</i>	<i>14</i>	<i>17 1/2</i>	<i>Ordinary Iron Stock</i>	<i>The Earl of Dudley's Round Ball Wks.</i>	<i>Tipton 10.1.27</i>	<i>W.A. Drysdale</i>	

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.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
60929	270 <sup>3</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>4</sub>	9 <sup>1</sup> / <sub>8</sub>	12 <sup>1</sup> / <sub>2</sub>	682.1.22	682 <sup>1</sup> / <sub>4</sub>	270	2 <sup>1</sup> / <sub>4</sub>	Stud	Earl of Dudley's Round ball Wks	Tipton 10.1.27 W. A. Drysdale	TOWLINE...	120	5	43 & 5	120	5
												HAWSERS & WARPS	2 @ 90	2 <sup>3</sup> / <sub>4</sub>	15.5	2 @ 90	2 <sup>3</sup> / <sub>4</sub>
													2 @ 90	2 <sup>3</sup> / <sub>4</sub>	12.5	2 @ 90	2 <sup>3</sup> / <sub>4</sub>
Iron Stream Chain or Steel Wire	90	4 <sup>3</sup> / <sub>4</sub>	65.5	8 & 7 <sup>1</sup> / <sub>2</sub>						Glasgow & Loken		also	3 @ 90	8" Manila			
													2 @ 90	4" do			
													2 @ 120	5" "			
													3 @ 120	5" "			

Steering Gear, Steam	<i>Dunkin &amp; Co's Horizontal 10" x 10"</i>	Steering Gear, Hand	<i>Fitted</i>
<i>2 @ 27.0 x 8.3 x 3.4 1/2</i>			
Boats	<i>2 @ 16.0 x 5.9 x 2.3 1/2</i>	Steering Chains, Size and Test	<i>1 1/2" dia. 27 tons L.P.H. Sld 24.2.27 J.H. Butler.</i>
		Windlass	<i>Emerson Walker &amp; Co's</i>
Ceiling in Holds, thickness and material	<i>9 x 2 1/2 N.P.</i>	Cargo Battens, thickness, material and spacing	<i>6 x 2 N.P. 12" as specified by Bares &amp; approved in Gray's manual</i>
Cargo Hatchways.—(Upper Deck)	<i>Steel plates and Angles</i>	Thickness of Hatches	<i>2 1/2" to 3"</i>
Size of No. 1 Hatchway (Forward)	<i>29'3" x 20'0" No. 2 30'4" x 20'0" No. 3 16'4" x 18'0" No. 4 30'4" x 20'0" No. 5 30'4" x 20'0" No. 6</i>		
Number of Shifting Beams and/or Fore and Afters	<i>No 1, 5 No 2, 5 No 3, 2 No 4, 5 No 5, 5</i>		

For William Gray & Co., Limited.

Builder's Signature *Robt. S. Simpson* General Manager.

GENERAL DECLARATION *This vessel has been built in accordance with the approved plans, the Secretary's letters and the Rules.*

*The material and workmanship are good.*

*The double bottom tanks, and the fore and after peak tanks have been tested under the Rule pressure and found satisfactory.*

*The weather decks, watertight bulkheads, tunnel and watertight doors have been satisfactorily hose tested.*

*The watertight doors, hand pump, steering gears and windlass have been examined and tried under working conditions and found satisfactory.*

*The freeboards have been cut in on the vessels sides & verified.*

*The vessel is fitted with wireless and Electric Light.*

*Side stringers, in addition to Rule requirements have been fitted as shown on the plans.*

The amount of Entry Fee .....	£ <i>9 : 0 : 0</i>	Fees applied for,	<i>2.5. 1927</i>	I am of opinion the Vessel should be Classed	<i>100A.1.</i>
Special Survey Fee....	£ <i>327 : 0 : 0</i>	Received by me,	<i>6.5.27</i>		
Freeboard	<i>11 : 0 : 0</i>				
Travelling Expenses, if any £	<i>11 : 0 : 0</i>				
State whether the Vessel has been built under Special Survey	<i>yes.</i>	Signature	<i>A. Pickworth.</i>		
Certificate to be sent to	<i>WEST HARTLEPOOL</i>	Date of issue	<i>29/5/27</i>	Surveyor to Lloyd's Register of Shipping.	

Committee's Minute *FRI. 6 MAY 1927*

Character assigned *100A.1*

*+ hmc 4.27 cl.*

*Lloyd's accp.*

*July*



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.)

No Sister Vessel.

Plans herewith forwarded

Midship Section. also a copy with Gun's extras shown.  
Profile and Decks.

Topside Plating  
Bottom Steffening forward  
Tank side bracket Connections  
Bulkheads  
Bunkers  
Hatch end beam knees  
Part of tunnel  
Sternframe and Rudder  
Pumping Arrangement.

Also forging reports on Rudder & Screw Frame.  
Crosshead.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	40.3.14	K.H.	4376	1.3.27
	2nd "	40.3.7	K.H.	4377	1.3.27
	3rd "	34.1.0	K.H.	4395	1.3.27

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30.08 ft., R.Q.D. ✓ ft., Bridge 24.08 ft., Forecastle 32.50 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 (stl.)

Official No. 139242 ; Signal Letters Is bottom of Vessel coated with cement Cement if not given particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	128.4	354	Fore peak tank,		123
Double bottom, under Engines and Boilers,			After peak tank,		162
Double bottom, if under Engines only,	25.8	107	Deep tank, aft,		
Double bottom, if under Boilers only, <i>DRY TANK but has been tested.</i>	18.8		Deep tank, forward,		
Double bottom, forward,	170.7	576	Other tanks, if fitted,		
Total capacity of double bottom		1037	(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. 2355

Date

28th January 1926

Dates of Surveys held while building

1926  
Mar 10. 19. 24. 26. 29. April 8. 14. 15. 20. 27. 30. May 3. 7. 10. 13. 19. 21. 27. 28. June 8. 10. 15. 18. 25. 29. July 9. 16. 20. Nov. 6. 12. 16. 17.  
Dec. 1. 8. 15. 21. 23. 24. — 1927 Jan 4. 5. 6. 7. 11. 12. 14. 19. 20. 24. 28. 31. Feb. 2. 4. 9. 10. 11. 15. 16. 18. 21. 23. 25. Mar. 1. 3. 4. 9. 11. 14. 18. 23. 29. 31. April 8. 12. 21. 26.

Total No. of Visits 80