

State if Report is sent on the Machinery of the Vessel

No. 18060

July 11~~th~~ 1940

machinery Amish ships

State Type of Erections/ *P. B. • Fol*

Built at West Hartlepool

FEET.

Launched 8th May 1940 Yard No. 1101

Breadth (*greatest moulded*)

B 56-92

Builders Wm Gray & Co Ltd

6043/97

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

Owners *Bowring Steamship Co. Ltd.*

3554.29

1st Longitudinal Number ($L \times D$)..... = 13353

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

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

24. 80

Residence

432.0

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

13.53

Port of Registry London

57.1

Do. Long Bridge to top of keel

10-39

If surveyed while building, afloat, or in dry dock

29.0.

Draught Moulded

BRIDGE 13

Psidium absent & in dry dock.

	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	28½"	✓	Bracket Floors, Frame	✓	
" " from ⅓ length amidships to } Collision bulkhead.....}	27"		" " Reversed Frame	✓	
" " in peaks.....	24"	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43½" x .52	✓
Frame Amidships, Angle, [or]	15x4x4x41 to upper dk and to Bridge deck at strong hatch end beams	✓	" " top Angles	3½ 3½ .46	✓
" " Extends up to			" " bottom Angles	4 4 .51	✓
Reversed Frame Amidships, Angle	This vessel has been constructed in accordance with the approved plans & general requirements of the Rules for double bottom tanks as required by the Rules for watertight bulkheads	✓	Side Girders, No. each side and thickness	1 - .36	✓
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	42" x .51	✓
Depth of Framing Girder	15"		Vertical Angle to Tank side Bracket abaft ½ len. from stem	6½ 6½ .55 T bar ✓	
Frames in Uppermost Continuous Tween Decks, Angle, [or]			Vertical Angle to Tank side Bracket from forward ½ len. from stem to Panting Area	6½ 6½ .58 T bar ✓	
" " Second Tween Decks, Angle, [or]			Gussets, spacing and scantling abaft ½ len. from stem	30 x .40 continuous ✓	
" " Third " " " "			Gussets, spacing and scantling from forward ½ len. from stem to Panting Area	44 x .40 continuous ✓	
" " from ¼ len. for A. to 15% len. from Stem	15x4x4x48	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	66½ x .44 ✓	
" " in Peaks, Angle or [.....	8 3½ 35 satisfactorily tested	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 - 6½"	✓	Breadth and thickness of Middle Line Strake ...	84" x .47 ✓	
State if Frame Joggled	Yes ✓		Thickness of remainder in Holds42 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes ✓		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 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships }	Long ✓	
Floors, Depth and thickness at mid line in Holds			" " in way of Bridge, Angle, }	"	
Height of Brackets at side above base line at toe of frame	2		Spacing	+ 100 A.I.	
Middle Line Keelson, on Floors, Angles, }			Second Deck, amidships, Angle, [or]	✓	
" " Through Plate or Intercostal Plate... }			Spacing	✓	
" " Foundation Plate on Floors			Third Deck, amidships, Angle, [or]	✓	
" " Flat Plate Keel Angles			Spacing	✓	
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, [or]	✓	
" " thickness of Intercostal Plate... }			Spacing	✓	
" " Angles			Poop Deck, Angle, [or]	8 3 .34 4 ✓	
DOUBLE BOTTOM.			Spacing	every ✓	
Solid Floors, thickness and spacing	38 every ✓		Bridge Deck, Angle, [or]	8 3 .34 ✓	
" " Are Frame and Reversed Frame joggled?	Yes ✓		Spacing	every ✓	
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, [or]	9 3½ .39 ½ ✓	
" " breadth and thickness at margin plate	✓		Spacing	8 3 .34 ✓	

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.				Third Deck.			
Stiffeners and Spacing.....	as approved		✓	Stringer Plate, breadth and thickness.....	✓		
Plating, thickness of30			If Plated, state thickness.....	✓		
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Wells	76" x 1.06	76" x .96	✓	If Plated, state thickness	✓		
„ „ „ „ in way of Bridge	.39			Poop Deck.			
„ Angle in Wells	6 6 .99	6 x 6 x .90	✓	Stringer Plate, breadth and thickness	45" x .38	36 1/2 x .26	✓
Thickness of Plating abreast Deck openings in way of Wells	1.06	.96	✓	Plating, Sheathing, material and thickness ...	2 1/2" w. w.	.26	✓
Thickness of Plating abreast Deck openings in way of Bridge35			Bridge Deck.			
Thickness of Plating within line of openings...	.47 x .33	.43 x .33	✓	Stringer Plate, breadth and thickness.....	77 1/2 x .57	.52	✓
If Sheathed, material and thickness	None			Plating, Sheathing, material and thickness48	.44	✓
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...	✓			Stringer Plate, breadth and thickness.....	.44 x .40	.36	✓
				Plating, Sheathing, material and thickness39	.34	✓

SHELL PLATING.

SCANTLINGS.						RIVETING. <i>amidships</i>							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>No</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 or to cr.		Diam.	Spacing or to cr.	
	Inches.	Inches.	Inches.	Inches.									
FLAT PLATE KEEL	<i>50 1/2</i>	<i>.90</i>	<i>.79</i>	<i>.79</i>	<i>.82 - .72</i>	<i>double</i>	<i>1</i>	<i>4</i>	<i>Quad</i>	<i>1</i>	<i>4</i>	<i>lapped</i>	
„ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes		<i>.63</i>	<i>.48</i>	<i>.48</i>		<i>double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Quad</i>	<i>7/8</i>	<i>3 1/2</i>	<i>"</i>	
BILGE PLATING, No. of Strakes		<i>.69</i>	<i>.48</i>	<i>.48</i>	<i>.63 - .48</i>	<i>double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Quad</i>	<i>7/8</i>	<i>3 1/2</i>	<i>"</i>	
SIDE PLATING, No. of Strakes		<i>1 at .69</i>	<i>.46</i>	<i>.46</i>	<i>.63 - .46</i>	<i>double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Triple</i>	<i>1 1/2</i>	<i>3 1/2</i>	<i>"</i>	
UPPER DECK, Sheer-strake in Wells		<i>.99</i>	<i>.46</i>	<i>.46</i>	<i>.90</i>				<i>Quintuple</i>	<i>1"</i>	<i>4 1/2</i>	<i>"</i>	
UPPER DECK, Sheer-strake in Bridge		<i>.99</i>			<i>.63</i>	<i>double</i>	<i>1</i>	<i>4</i>	<i>Triple</i>	<i>1 1/8</i>	<i>4</i>	<i>"</i>	
STRAKE BELOW Sheer-strake in Wells		<i>.81</i>	<i>.46</i>	<i>.46</i>	<i>.74</i>	<i>double</i>	<i>1</i>	<i>4</i>	<i>Quad</i>	<i>1</i>	<i>4</i>	<i>"</i>	
STRAKE BELOW Sheer-strake in Bridge		<i>.69</i>			<i>.63</i>	<i>double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Triple</i>	<i>7/8</i>	<i>3 1/8</i>	<i>"</i>	
POOP SIDE PLATING				<i>.39</i>		<i>Single</i>	<i>3/4</i>	<i>3</i>	<i>Single</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>	
BRIDGE SIDE PLATING		<i>.64</i>			<i>.61</i>	<i>Double</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Quad</i>	<i>7/8</i>	<i>3 1/2</i>	<i>"</i>	
FORECASTLE SIDE PLATING			<i>.42</i>			<i>one plate</i>			<i>Single</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	7 ✓
Deck next below	✓
As per Rule	7.

STIFFENERS.

	Plating Thickness.				
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Upper tween decks					
„ „ Second „					
„ „ Third „					
„ „ Holds	51-45 -28	15 x 4 x 4 x 41	E 36		
COLLISION „ (in Hold)	50-26	6 x 3 x 44 7/8	24	Stringers + chain locker bottom	
AFTER PEAK „ „	7 1/2-30	7 x 3 x 40 7/8	24	Stringers + tunnel top	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM	rolled bar	9 3/4 x 2 7/8	✓	
STERN FRAME { Propeller Post	cast steel	10 1/2	✓	Strommen Verkesterd
{ Rudder „	„	8 1/2	✓	„
Speed of Vessel	11 knots	✓		
RUDDER—Type	unbalanced			
„ A x D	52 1/2 x 39	✓		
„ Diam. of head	Forged steel	10 3/4	✓	Burmeister & Wain Copenhagen
„ Mainpiece at top pintle	cast	12 x 8 1/2	✓	Strommen Verkesterd
„ „ heel ...	steel	8 1/2 x 8 1/2	✓	„
„ how constructed	Reinforced frame	✓		
„ double or single plate	double	✓		
„ 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 hearth.*
South Durham S & I Co., Dorman Long & Co., Skinningrove S & I Co.,
Co., Lanarkshire Steel Co., Cargo Steel S & I Co.
 Has the Steel been tested as required by the Rules? *Yes.*

"CAPE BRETON" *Wm Gray & Co No 1101.*

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.	
	In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Diam.	Speng.		Number.	Diameter. Inches.
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.					
Framing of L, L or C																	
Frames in Bridge 'tween Decks ...																	
Frames from Uppermost Continuous Deck No. 1																	
" 2																	
" 3																	
" 4																	
" 5																	
" 6																	
" 7																	
" 8																	
" 9																	
" 10																	
" 11																	
" 12																	
" 13																	
" 14																	
" 15																	
" 16																	
Spacing of Longitudinal Frames } Amidships																	
} At Ends																	
Double Bottoms } Tank Top Longitudinals																	
L, L or C } Bottom																	
Spacing of Longitudinals } Amidships																	
} At Ends...																	
Transverses.																	
In Bridge } Depth and Thickness																	
'tween Decks } Face Angles																	
} Lugs to Shell*																	
In } Depth and Thickness																	
Upper 'tween } Face Angles																	
Decks. } Lugs to Shell*																	
In Hold. } Depth and Thickness																	
} Face Angles																	
} Lugs to Shell*																	
} Brackets																	
Spacing of Transverse Frames																	
* State if joggled or liners.																	
Longitudinal Beams of L, L or E	Bridge Deck ...	9	3 1/2	40	✓			9	3 1/2	40	✓			2' 9 1/2"	Transverse Beams.	12", 15", 17" channels with side plates as approved.	
	Upper	7	3 1/2	33	✓			7	3 1/2	32	✓			3' 3"			
	Second	6	3 1/2	40	✓			8	3 1/2	40	✓						
	Third	6	3	32	✓			6	3	32	✓						

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

Lloyd's Register
Foundation
Wm Gray & Co
12.7.

CHAIN CABLES.	HAWSERS AND WARPS.
1	1
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100	100

HAWSERS AND WARPS.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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The windlass & steering gear have been tried under working conditions & found satisfactory. ✓

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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.)

The approved plans & forging reports are attached herewith.

PARTICULARS OF ELECTRIC WELDING (if employed)

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book.

Curved stem, Longitudinal framing at upper deck. D.F. E.S.D. A + S.P. (cable to be in accord with the requirements of the Rules when the present state of emergency has passed). CARGO BATTENS NOT FITTED

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2nd	3rd	Surveyor's Initials	No. of Cts.	Date of Test
	45.1.9	43.2.7	43.0.7	J.S.	2821	8.5.40
				J.S.	2863	11.5.40
				J.S.	2506	3.1.40.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 43.9 ft., R.Q.D. ft., Bridge 132.8 ft., Forecastle 39.2 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated. Official No. 167607 Signal Letters Extreme Breadth over Belting Over-all Length 448.2. No. and Material of Decks 1 deck, steel. Parts of Bottom of Vessel coated with cement or approved composition D.B. tanks, peaks & bilges cemented. 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.	SALT Water Capacity. Tons.	Where Fitted.	Length. Feet.	SALT Water Capacity. Tons.
Double bottom, aft,	140.12	417	Fore peak tank,	21.42	146
Double bottom, under Engines and Boilers,	42.9	203	After peak tank,	22.0	242.
Double bottom, if under Engines only,	-	-	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	-	-
Double bottom, forward,	193.6	736	Other tanks, if fitted,	-	-
Total length (if continuous) and Capacity	376.42	1356	(If necessary, furnish further information by sketch.)	-	-

Order for Special Survey No. 2417 Date 13/6/39 Dates of Surveys held while building 1939 July 28, 31, Aug 21, 23, 25, 29, 30, Sept 5, 7, 12, 19, 22, 26, 27, 28 Oct 2, 3, 4, 6, 11, 12, 17, 20, 30, Nov 1, 7, 8, 17, 21, 23, 28 Dec 4, 7, 8, 11, 15, 19, 20, 21, 28 1940 Jan 3, 4, 5, 8, 9, 15, 17, 22, 24, 25, 26, 29, 30, 3 Feb 1, 2, 5, 6, 9, 10, 13, 15, 16, 19 20, 21, 23, 26, 27, 29 March 1, 4, 6, 8, 12, 13, 15, 20, 26, 28 April 1, 2, 5, 9, 10, 12, 15, 17, 18, 22, 25, 27, 30 May 1, 3, 6, 8, 10, 20, 21, 23, 27, 28, 30 June 3, 5, 7, 10, 11, 13, 14, 19, 22, 25, 27 July 1, 2, 3, 4, 5, 8, 9, 10, 11. Total No. of Visits 125