

## STEEL STEAMER or MOTORSHIP

Received at London Office MAY 9 1939

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

*6<sup>th</sup> May, 1939*

Port of

*West Hartlepool*

No.

*17940*

Survey held at

*West Hartlepool*

Date First Survey

*5<sup>th</sup> November, 1937*

Last Survey

*2<sup>nd</sup> May 1939*

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

*Single Screw Steamer**"TINTERN ABBEY"*

Machinery Amidships

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

*Full scantling*State Type of Erections *P, B & F*

TONNAGE under Tonnage Deck...

*2276.46*

CLASS

*100A1*

State if with freeboard as condition of Class

*No*

Built at

*West Hartlepool*

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 305.00*

Launched

*30<sup>th</sup> May, 1938 Yard No. 1090*

Breadth (greatest moulded)

*B 45.00*

Builders

*Wm. Gray & Co., Ltd.*

Total

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

*D 23.38*

Owners

*Fred. Jones & Co.*

Gross Tonnage

*2470.77*

Register Tonnage

*1482.49*

1st Longitudinal Number (L x D)

*= 7129*

Managers

*✓*

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

2nd Numeral L x (B + D)

*= 20,854*Residence *36, West Bute St., Cardiff*

## REGISTERED DIMENSIONS.

FEET.

Length

*308.00*

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

*19.83*

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

*13.04*

Port of Registry

*Cardiff*

Breadth

*45.15*

Do. Long Bridge to top of keel

*10.04*

If surveyed while building, afloat, or in dry dock

Depth

*20.70*

Draught Moulded

*19.94**Whilst building*

## 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	24	✓	Bracket Floors, Frame	4½ 3 34	✓
" " from ⅓ length amidships to Collision bulkhead	24	✓	" " Reversed Frame	7 3 36	✓
" " in peaks	24	✓	" " Vertical Struts	7 3 36	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42½ x 42	✓
Frame Amidships, Angle, <i>E</i> or <i>C</i>	9 3½ 47	✓	" " top Angles	3 3 39	✓
" " Extends up to	6-4-0	✓	" " bottom Angles	3½ 3½ 44	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	One 32	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	39 x 41	✓
Depth of Framing Girder	✓		" " Vertical Angle to Tank side	3 3 34	✓
Frames in Uppermost Continuous 'tween Decks, Angle, <i>C</i> or <i>E</i>	✓		" " Bracket abaft ½ len. from stem	5 5 34	✓
" " Second 'tween Decks, Angle, <i>C</i> or <i>E</i>	✓		" " Vertical Angle to Tank side	3 3 34	✓
" " Third Bridge " " <i>C</i>	6 3 32	✓	" " Bracket from forward ½ len. from stem to Panting Area	22 x 34 every 3 <sup>rd</sup>	✓
" " from ½ len. for'd. to 15% len. from Stem	9 3½ 63	✓	" " Gussets, spacing and scantling abaft ½ len. from stem	" " " 2 <sup>nd</sup> Panting	✓
" " in Peaks, Angle or <i>C</i>	7 3½ 33	✓	" " Gussets, spacing and scantling from forward ½ len. from stem to Panting Area	" " " 2 <sup>nd</sup> Panting	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 6¼	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	54 x 37	✓
State if Frame Joggled	<i>Yes</i>	✓	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and <i>as</i> approved?	<i>Yes</i>	✓	Breadth and thickness of Middle Line Strake	46½ x 42 36	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and <i>as</i> approved?	<i>Yes</i>	✓	Thickness of remainder in Holds	36 - 34	✓
SINGLE BOTTOM.			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>	✓
Floors, Depth and thickness at mid-line in Holds			BEAMS.		
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships in Wells, <i>E</i> or <i>C</i>	9 3½ 38	✓
Middle Line Keelson, on Floors, Angles, <i>C</i> or <i>E</i>			" " in way of Bridge, Angle, <i>E</i> or <i>C</i>	8 3½ 38	✓
" " Through Plate or Intercoastal Plate			Spacing	24	✓
" " Foundation Plate on Floors			Second Deck, amidships, Angle, <i>C</i> or <i>E</i>	✓	
" " Flat Plate Keel Angles			Spacing	✓	
Side Keelsons, No. each side			Third Deck, amidships, Angle, <i>C</i> or <i>E</i>	✓	
" " thickness of Intercoastal Plate			Spacing	✓	
" " Angles			Fourth Deck, amidships, Angle, <i>C</i> or <i>E</i>	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	34 @ 48	✓	Poop Deck, Angle, <i>E</i> or <i>C</i>	5½ 3 30	✓
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>	✓	Spacing	24	✓
Bracket Floors, breadth and thickness at middle line	27½ x 34	✓	Bridge Deck, Angle, <i>E</i> or <i>C</i>	7 3½ 32	✓
" " breadth and thickness at margin plate	30 x 34	✓	Spacing	24	✓
			Forecastle Deck, Angle, <i>E</i> or <i>C</i>	7 3 32	✓
			Spacing	5½ 3 30 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.....	2 3/4 @ 48" B+F. ✓		Thickness of Plating abreast Deck openings in way of Wells .....		
„ „ „ „ „	2 1/4 @ 48" poop ✓		Thickness of Plating abreast Deck openings in way of Bridge .....		
„ in Holds „ „	4 1/2 @ 48" ✓		Thickness of Plating within line of openings...		
„ „ „ „ „	✓		If Sheathed, material and thickness .....		
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....		
Plating, thickness of .....	✓		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	72 x 69 ✓	+ 15% (owner)	If Plated, state thickness .....		
„ „ „ „ in way of Bridge	72 x 44 ✓	+ 11% ✓			
„ Angle in Wells .....	6 x 6 x 63 ✓		<b>Poop Deck.</b>		
Thickness of Plating abreast Deck openings in way of Wells .....	.59 ✓	+ .05 ✓	Stringer Plate, breadth and thickness .....	.32	see plan ✓
Thickness of Plating abreast Deck openings in way of Bridge .....	.40 ✓	+ .10 ✓	Plating, Sheathing, material and thickness ...	.30	26 sheathed ✓
Thickness of Plating within line of openings...	.40 ✓	+ .04 ✓	<b>Bridge Deck.</b>		
If Sheathed, material and thickness .....	✓		Stringer Plate, breadth and thickness.....	84 x 43	+ .04 ✓
<b>Second Deck.</b>			Plating, Sheathing, material and thickness ...	.40	✓
Stringer Plate, breadth and thickness in Wells...	✓		<b>Forecastle Deck.</b>		
			Stringer Plate, breadth and thickness.....	.35	+ .03 ✓
			Plating, Sheathing, material and thickness ...	Steel .34	+ .03 ✓

# SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.	Inches.	Inches.		
FLAT PLATE KEEL .A..	46	.63	.58	.58		Double	7/8	3 3/7 ✓	3	7/8	3 1/8	Lapped
„ DBLG. (if any)						-	-	-	-	-	-	-
BOTTOM PLATING, No. of Strakes .....3.....	B 72 C 68 D 68 E 65 1/2	.49	.54 ✓ .54 ✓ .49 ✓	.49 ✓ .46 ✓ .49 ✓		Double	3/4	3 ✓	3	3/4	2 3/8	Lapped
BILGE PLATING, No. of Strakes .....3.....	F 61	.49	.42 ✓ .40 ✓	.45 ✓ .49 ✓		"	3/4	3 ✓	3	3/4	2 5/8	"
SIDE PLATING, No. of Strakes .....1.....	G 74 1/2	.49	.40 ✓	.42 ✓		"	3/4	3 ✓	3	3/4	2 5/8	"
UPPER DECK, Sheer-strake in Wells.....	K 74	.63	.40 ✓	.40 ✓		"	7/8	3 3/7 ✓	4	7/8	3 1/2	"
UPPER DECK, Sheer-strake in Bridge ...	K 74	.49				"	3/4	3 ✓	3 + 4	3/4	2 5/8 + 3	"
STRAKE BELOW Sheer-strake in Wells.....	H 74	.56	.40 ✓	.40 ✓		"	7/8	3 3/7 ✓	3	7/8	3 1/8	"
STRAKE BELOW Sheer-strake in Bridge ...	H 74	.49				"	3/4	3 ✓	3	3/4	2 5/8	"
POOP SIDE PLATING .....				.34		Single	3/4	3 ✓	1	3/4	2 5/8	"
BRIDGE SIDE PLATING ...	L 83 1/2	.48				SR + 2R	3/4	3 ✓	4	3/4	3	"
FORECASTLE SIDE PLATING		.37				Single	3/4	3 ✓	1	3/4	2 5/8	"

# WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>					
Extending to Upper Deck (Sec. 3 c)		Five ✓			
„ Deck next below		✓			
As per Rule		Five ✓			
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD, Upper tween decks</b>					
„ „ Second „					
„ „ Third „					
„ „ Holds .....	✓	43-24	9 x 3 1/2 x 51	✓	30
<b>COLLISION</b> „ (in Hold) .....	✓	46-26	11 x 3 1/2 x 45	✓	24
<b>AFTER PEAK</b> „ „ .....	✓	46-1/2	30. 7 x 3	✓	30 1/2 24 1 Semi Box

# FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar .....</b>		✓		
<b>STEM .....</b>	Rolled...	S.M.	8 x 2 1/4	✓
<b>STERN FRAME</b>	Propeller Post .....	W.I.	9 x 5 3/4	C.M.E.W. ✓
	Rudder „ .....	Forging	9 x 5 3/4	✓
<b>Speed of Vessel .....</b>		10 NM		✓
<b>RUDDER—Type .....</b>		Ordinary		✓
„ A x D .....		245.07		✓
„ Diam. of head .....		7 1/4		✓
„ Mainpiece at top pintle		7 1/4		✓
„ „ heel ...		5 1/2		✓
„ how constructed .....		Built		✓
„ double or single plate		Double		✓
„ coupling, vertical or horizontal .....		Horizontal		✓

<b>STEEL.</b>	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Plates: South Durham S. & S. Co., Dorman Long & Co. Sections: Dorman Long & Co., Cargo Fleet Iron Co., Lechilles, Ltd., Richards & Sons, Consett S. Co., S. Co. of Scotland. Has the Steel been tested as required by the Rules? Yes ✓
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see machinery section to 17940.

EQUIPMENT No. 21739				LETTER				ANCHORS.			
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.			Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	
37619	1st Bower ...	42	2	0	Stockless			37	10	0	Old 15/10/37 Butler
37618	2nd „ ...	42	1	0	do			37	6	1	Old 15/10/37 Butler
37620	3rd „ ...	35	3	21	do			33	2	2	Old 15/10/37 Butler
	Collective weight.	120	2	21					119½		
51354	Stream .....	11	0	10	IRON STOCK	2	3	11	13	0	Old 11th 21/2/38 Paul

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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Tons.	Fathoms.	Ins.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
19636	240	1 7/8	63 1/4	88 1/2	427.2.0	425 1/4	240	1 7/8	Stud Link	✓	—	Old 22/11/37 Butler	TOWLINE...	100	4	44.9	100	4
57057		1 5/8	22 1/4	34 1/8	—	— 20			Fore lock shackle.	✓		Old 11th 25/6/38 Paul	HAWSERS & WARPS }	4 @ 90	2 1/2	13.2	4 @ 90	2 1/2
													"	4 @ 90	7	manilla		
Less Stream Chain or Steel Wire }	75	4 1/4	—	51.5			75	4 1/4	S.W.		Halls Barton Rope Co		"					

Steering Gear, Type (Power or hand) *J. Lynn & Co. Wilson Pirie Vert. 7"x7"* Alternative Means of Steering *Block & tackle from after which Telemotor Control.*

Steering Chains (Size and Test) *Windlass Emerson, Walker 9x12 s* Boats *Two @ 22'x7'-8" x 2'-9" Drighy 15'x5'-3" x 2'-2"*

Ceiling in Holds, thickness and material *2 1/2 W.P. across ship in way of hatches* Cargo Battens, thickness, material and spacing *6"x2" W.P @ 12"*

Cargo Hatchways.—(Upper Deck) *Steel plates & Angles as approved* Thickness of Hatches *2 1/2"*

Size of Hatchways No. 1 (Fwd.) *30 x 22* No. 2 *30 x 22* No. 3 *6 x 18 5 x 18* No. 4 *30 x 22* No. 5 *30 x 22* No. 6

Number of Shifting Beams *five*

Builder's Signature *FOR WILLIAM GRAY & CO. LIMITED. Thos. S. Simpson. GENERAL MANAGER.*

**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 *✓* 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).

*This vessel has been built in accordance with the Rules, the approved plans, & the Secretary's letters. ✓*

*The materials and workmanship are good. ✓*

*The double bottom and fore and after peak tanks have been tested as required by the Rules. ✓*

*The watertight doors, steering gear & secondary means of steering & windlass have been satisfactorily tried under working conditions. ✓*

*The decks, bulkheads, W.T. doors & tunnel have been hose tested. ✓*

*Freeboards in accordance with the Convention requirements have been cut in on the vessel's sides, and verified*

*The Vessel is fitted with "Wireless" and "Electric Light".*

The amount of Entry Fee ..... £	6 : 0 : 0	Fees applied for,	(Special notations, where part of class, to be stated.)
Special Survey Fee.... £	198 : 11 : 0	Received by me,	
Travelling Expenses, if any £	12 : 0 : 0	12. 6. 1939	I am of opinion the Vessel should be Classed <i>✱ 100A1 ✓</i>
State whether the Vessel has been built under Special Survey	<i>Yes</i>	Signature	<i>C. A. Millar</i>
Certificate to be sent to <i>West Hartlepool</i>	Date of issue <i>6/6/39</i>	Surveyor to Lloyd's Register of Shipping.	

Committee's Minute *FRI 19 MAY 1939*

Character assigned *+ 100A1*

*Lloyd's and + Lmb 5.39*

Lloyd's Register Foundation



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.)

S.S. "MELROSE ABBEY" Report No. 17577.

S.S. "MARGAM ABBEY" Report No. 17794

PARTICULARS OF ELECTRIC WELDING (if employed) ✓

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

✱ 100A1 LLOYDS A+C.P. ✓

Particulars of Drop Test of Cast Steel Anchors, viz.:—  
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower.	24.2.3	✓	J.F.R.	2716	17.9.37
2nd "	24.2.12	✓	J.F.R.	2711	17.9.37
3rd "	21.3.2	✓	J.D.	1454	3.9.37

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 24.75 ft., R.Q.D. ✓ ft., Bridge 70.5 ft., Forecastle 30 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated *not joined*

Official No. 162131

Signal Letters

Extreme Breadth over Belting

(Circ. 1611)

45'-2" *leave out*

Over-all Length

(Circ. 1703)

317'-1" ✓

No. and Material of Decks

1 (SRL) DK. ✓

Parts of Bottom of Vessel coated with cement or approved composition

*Inner surface of bottom + bilges. ✓*

*Cem.*

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,	104.0 ✓	302 ✓	Fore peak tank,	18.5 -	88 ✓
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	18.0 -	115 ✓
Double bottom, if under Engines only,	20.0 ✓	73 ✓	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	16.0 ✓	58 ✓	Deep tank, forward,	-	-
Double bottom, forward,	122.0 ✓	363 -	Other tanks, if fitted,	-	-
Total length (if continuous) and Capacity	262' ✓	796 ✓	(If necessary, furnish further information by sketch.)	-	-

Order for Special Survey No. 2405

Date 20<sup>th</sup> September, 1937

Dates of Surveys held while building

1937. Nov. 5. 10. 11. 30 DEC. 8. 14. 15. 17. 20. 22. 29. 1938 JAN. 5. 6. 11. 26. 28. 31. FEB. 1. 3. 9. 15. 16. 21. 24. 25  
MAR. 2. 10. 15. 17. 22. 25. 30. APR. 4. 6. 7. 8. 12. 14. 22. 25. 27. 29. MAY. 5. 6. 9. 10. 11. 12. 13. 14. 16. 18. 20. 21. 23. 27  
30. 31. JUNE. 13. 16. 21. 28. JULY. 1. 7. 11. 13. 19. 24. 1939 APR. 25. 27. MAY. 1. 2.

Total No. of Visits

72