

STEEL STEAMER ~~OR~~ MOTORSHIP

Received at London Office

8 JUN 1932

State if Report has been sent on the Freeboard of the Vessel *none*State if Report is sent on the Machinery of the Vessel *yes*

Date of completion of report

6. 6. 32

Port of

West Hartlepool

No.

14157

Survey held at

West Hartlepool

Date First Survey

7.12.31

Last Survey

30. 5. 1932

On the

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

Steel Single Screw Pilot vessel

B.O. DAVIES

Machinery Amidships

State Type

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

Full scantling

State Type of Erections

Flush Deck

TONNAGE under Tonnage Deck

151.83

CLASS 100A1

State if with freeboard as condition of Class

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Total

Gross Tonnage

172.53

Register Tonnage

60.41

## REGISTERED DIMENSIONS.

FEET.

Length

101.80

Breadth

23.15

Depth

10.45

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

L

100

Breadth (greatest moulded)

B

23

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

D

11

1st Longitudinal Number (L x D) = 1100

2nd Numeral L x (B + D) = 3400

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

10.24

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

9.09

Do. Long Bridge to top of keel

Draught Moulded

8'-6"

Built at

West Hartlepool

Launched

23rd April 1932

Yard No. 1058

Builders

W. Gray &amp; Co. Ltd.

Owners

Jes Pilot Butters &amp; Co. Ltd.

Managers

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

Residence 13 &amp; 14 Bridge Street East,

Port of Registry Middlesbrough

If surveyed while building, afloat, or in dry dock

Building &amp; afloat.

## 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>	20		<b>Bracket Floors, Frame</b>		
" " from $\frac{3}{4}$ length to Collision bulkhead	20		" " Reversed Frame		
" " in peaks	20		" " Vertical Struts		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>		
Frame Amidships, Angle, E or C	4 2 $\frac{1}{2}$ 30	+ .02	" " top Angles		
" " Extends up to	4 22 34		" " bottom Angles		
Reversed Frame Amidships, Angle	2 $\frac{1}{2}$ 2 $\frac{1}{2}$ 29		<b>Side Girders, No. each side and thickness</b>		
" " Extends up to	3 $\frac{1}{2}$ 3 44	Boiler Space	<b>Margin Plate</b> depth (excl. of flange) and thickness		
Depth of Framing Girder			" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween Decks, Angle, E or C			Bracket abaft $\frac{1}{4}$ len. from stem		
" " Second 'tween Decks, Angle, E or C			" " Vertical Angle to Tank side		
" " Third " " " "			Bracket forward $\frac{1}{4}$ len. from stem		
Framing in Peaks, Angle or C	4 2 $\frac{1}{2}$ 30		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	4 $\frac{1}{2}$ 5p 5/8" rivets		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem		
State if Frame Joggled	yes		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars			<b>INNER BOTTOM PLATING.</b>		
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars			Breadth and thickness of Middle Line Strake		
<b>SINGLE BOTTOM.</b>			Thickness of remainder in Holds		
Floors, Depth and thickness at mid-line in Holds	15 x 30	+ .03	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?		
Height of Brackets at side above base line at toe of frame	none		<b>BEAMS.</b>		
Middle Line Keelson, on Floors, Angles, E or C	9 x 3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 42		Uppermost Continuous Deck, amidships	4 2 $\frac{1}{2}$ 34	B.A + .04
" " Through Plate or Intercoastal Plate			" " in way of Bridge, Angle, E or C		
" " Foundation Plate on Floors			Spacing	20	
" " Flat Plate Keel Angles			<b>CABIN</b>		
Side Keelsons, No. each side	one		Second Deck, amidships, Angle, E or C	4 2 $\frac{1}{2}$ 30	+ .04 + BA
" " thickness of Intercoastal Plate			Spacing	40	
" " Angles	5 3 40	single	<b>Third Deck, amidships, Angle, E or C</b>		
<b>DOUBLE BOTTOM.</b>			Spacing		
Solid Floors, thickness and spacing			<b>Fourth Deck, amidships, Angle, E or C</b>		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			<b>Poop Deck, Angle, E or C</b>		
" " breadth and thickness at margin plate			Spacing		
			<b>Bridge Deck, Angle, E or C</b>		
			Spacing		
			<b>Forecastle Deck, Angle, E or C</b>		
			Spacing		



## 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</b> , No. of Rows.....	one			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 „ „	2 1/4 dia	✓		Thickness of Plating within line of openings...			
„ „ „ „ „	40" spacing	✓		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	61 x 36	✓		If Plated, state thickness .....			
„ „ „ „ in way of Bridge	✓			<b>Poop Deck.</b>			
„ Angle in Wells .....	3 3 31	✓		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 .....	✓			<b>Bridge Deck.</b>			
Thickness of Plating within line of openings...	26	✓		Stringer Plate, breadth and thickness.....			
If Sheathed, material and thickness .....	2 1/2 P. P.	✓		Plating, Sheathing, material and thickness ...			
<b>Second Deck.</b>				<b>Forecastle Deck.</b>			
Stringer Plate, breadth and thickness in Wells...	✓			Stringer Plate, breadth and thickness.....			
				Plating, Sheathing, material and thickness ...			

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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.		
GARBOARD													
FLAT PLATE KEEL .....	A 52 $\frac{1}{4}$	.31	.31	.30		Double	7/8	4 $\frac{1}{2}$ "	See Bolde Plan	Two	5/8	2 $\frac{1}{4}$	Lapped
„ DBLG. (if any)	✓		✓			✓							
BOTTOM PLATING, No. of Strakes .....	B 52 $\frac{1}{4}$	.29	.29	.30		Double	5/8	2 $\frac{1}{2}$	Two	5/8	2 $\frac{1}{4}$	Lapped	
BILGE PLATING, No. of Strakes .....	C 52 $\frac{1}{4}$	.29	.28	.27		do	5/8	2 $\frac{1}{2}$	Two	5/8	2 $\frac{1}{4}$	„	
SIDE PLATING, No. of Strakes .....	D 54	.29	.28	.26		do	5/8	2 $\frac{1}{2}$	Two	5/8	2 $\frac{1}{4}$	„	
UPPER DECK, Sheer- ) strake in Wells .....	E 54 $\frac{1}{4}$	.34	.31	.30	+ .03	do	5/8	2 $\frac{1}{2}$	Three	5/8	2 $\frac{1}{4}$	Strapped	
UPPER DECK, Sheer- ) strake in Bridge ...	Chafing plate 12" x 1" from frames 14 to 40 ✓												
STRAKE BELOW Sheer- ) strake in Wells .....													
STRAKE BELOW Sheer- ) strake in Bridge ...													
POOP SIDE PLATING .....													
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING													

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	
Extending to Upper Deck (Sec. 3 c)	4 ✓
„ Deck next below	✓
As per Rule	4 ✓

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> <i>Built plate</i>	<i>No. 8.</i>	$7\frac{1}{2} \times 1\frac{1}{8}$	<i>Consell</i>	$7\frac{1}{2} \times 1"$
<b>STEM</b> <i>Built plate</i>	<i>No. 8.</i>	$7\frac{1}{2} \times 1\frac{1}{8}$	<i>Iron Co.</i>	$7\frac{1}{2} \times 1$
<b>STERN FRAME</b> { Propeller Post .....	<i>Scrap</i>	$5\frac{1}{2} \times 2\frac{7}{8}$	<i>CMEW</i>	
{ Rudder .....	<i>Iron.</i>	$5 \times 2\frac{3}{4}$	<i>CMEW</i>	
<b>RUDDER—A × D.....</b>		<i>64</i>		
<b>Speed of Vessel.....</b>		<i>10 N.M.</i>		
<b>RUDDER</b> mainpiece at head ...	<i>Mild Steel</i>	$4\frac{1}{4}$ <i>Stick</i>		
" " heel ...	<i>Forging.</i>	$5\frac{3}{8}$	<i>Raine</i>	
" " " "		$3\frac{1}{2}$	<i>Y Co.</i>	
" how constructed .....		<i>Built</i>		
" double or single plate		<i>Single</i>		
" coupling, vertical or horizontal.....		<i>none</i>		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *S. M. Open-Hearth*  
 Plates:- *South Durham Steel & Iron Co.*  
 Sections:- *Cassett Iron Co., Dorman Long & Co., Cargo Flat Iron Co., Colville & Co. & S. Fyazack & Co. Ltd*  
 Has the Steel been tested as required by the Rules? *Yes.*



EQUIPMENT No. 3400										LETTER ✓		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.			
34007	1st Bower ...	5	2	21	Stockless			8	0	2	14	5-2-0	Byers Improved	W L Byers	Sed. 14-3-32 Butler
34008	2nd „ ...	5	1	14	Stockless			7	14	0	7	5-0-0	„	„	„ 14-3-32 „
✓	3rd „ ...														
	Collective weight.	11	0	7								10-2-0			
✓	Stream .....														

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.	
					Supplied.	Per Rule.													
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
46719	156	15 15/16	10 1/2	21	7-2-14	7.3		75	15 15/16		Short link N. Bloomer	Cradley Heath	24/32	TOWLINE...	✓	✓	✓	✓	✓
47172	60	15 15/16	10 1/2	21	30-0-0	29.2					„	„	„	HAWSERS & WARPS	60	5 1/2	Manilla	60	5 1/2
															60	3 1/2	do.	60	3 1/2
		Or.																	
Iron Stream Chain or Steel Wire	✓																		

Steering Gear, Steam 5" dia x 6" Vertical John Wigham & Son Ltd. Steering Gear, Hand Spare Tiller & relieving tackle

Boats one @ 14' x 6' x 2.35' Steering Chains, Size and Test 1 1/16" dia 5-12-2+0 LPHCH Windlass 8" x 9" Clarke Chapman

one @ 16' x 5.75 x 2.33

Ceiling in Holds, thickness and material ✓ Cargo Battens, thickness, material and spacing ✓

Cargo Hatchways.—(Upper Deck) ✓ Thickness of Hatches ✓

Size of No. 1 Hatchway (Forward) ✓ No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters ✓

For William Gray & Co., Limited.

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

**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.

*This vessel has been built in accordance with the Secretary's letter and approved plans and the Rules. The materials and workmanship are good. The fore and after peaks and deep feed water tanks have been tested as required by the Rules.*

*The weather decks, + watertight bulkhead have been hose tested*

*The hand pumps, steering gear and windlass have been tried under working conditions and found satisfactory.*

*The vessel is fitted with electric light.*

The amount of Entry Fee ..... £ 2 : 0 : 0 Fees applied for, 4.6. 1932

Special Survey Fee.... £ 20 : 0 : 0 Received by me, 13.7. 1932

Travelling Expenses, if any £ : ✓ : ✓

I am of opinion the Vessel should be Classed **100A1** For Pilot Service

State whether the Vessel has been built under Special Survey yes. Signature *C. A. Millar* Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *W. H. Pl.* Date of issue *14/7/32*

Committee's Minute **TUE. 14 JUN 1932**

Character assigned **+ 100A1** For Pilot Service

*+ L.M.C. 5,32*

*Lloyd's A.C.P.*

*C.L.*

The Surveyors are requested not to write on or below the Committee's Minute.



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 enclosed herewith

Plans

- 1 Midship and Transverse Sections
- 2 Profile & Decks. Bulkheads & Feed Water Tank.
- 3 Sternframe and Rudder
- 4 Rudder Quadrant
- 5 Engine Seating
- 6 Pumping arrangement

Reports

Sternframe & Rudder  
Quadrant & Tilts

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

1st Bower  
2nd „  
3rd „

3-1-24 KH. No. 8189 11-7-30  
3-1-22 KH No. 9374 22-10-31.  
✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ 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)

1D\* (stl-ws.)

Official No. 160736 ; Signal Letters

Is bottom of Vessel coated with cement ☒ yes if not give

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted, <i>Feed water tank</i>	67	11
Total capacity of double bottom			(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. 2380

Date 21st December 1931

Dates of Surveys held while building

1931- Dec. 4. 9. 10. 14. 16. 17. 18. 21. 22. 23. 30. 1932 Jan. 8. 14. 15. 18. 19. 21. 22. 27. 29. Feb. 1. 2. 11. 15. 17. 19. 22. 26. Mar. 4. 10. 14. 16. 17. 23. Apr. 5. 6. 11. 13. 19. 21. 23. 25. 26. 28. May. 5. 11. 24. 30.

Total No. of Visits 48