

6 MAR 1944

Rpt. 1.

## STEEL STEAMER or MOTORSHIP

Received at London Office

RECEIVED

6 MAR 1944

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

2<sup>nd</sup> March 1944

Port of

West Hartlepool

No. 18521

Survey held at

West Hartlepool

Date First Survey

22nd July 1943

Last Survey

29th February 1944

On the

(State if Machine is fitted Aft and if Single, Twin or Triple Screw) *Single Sc.**"EMPIRE SEDLEY"**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...

2530.76

CLASS +100 A.1.

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 310'-0"

Breadth (greatest moulded)

B 46'-4"

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

D 25'-2"

1st Longitudinal Number (L x D)  $310 \times 24.5 = 7595$ 2nd Numeral L x (B + D)  $310(46.33 + 24.5) = 21957$ 

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

21.42

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

 $\frac{310}{24.5} = 12.65$  $\frac{310}{33.5} = 9.25$ 

Draught Moulded

20'-8 1/2"

Launched 11<sup>th</sup> Dec. 1943 Yard No. 1163.

Builders William Gray &amp; Co. Ltd.

Owners Ministry of War Transport

Managers Smith Hogg &amp; Co.

(Where necessary to be entered in Reg. Book)

Residence West Hartlepool.

Port of Registry West Hartlepool.

If surveyed while building, afloat, or in dry dock

Building, afloat, &amp; in dry dock.

## 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	✓	
" " from 3/4 length amidships to Collision bulkhead	24		" " Reversed Frame	✓	
" " in peaks	24		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	3 1/2 x 46	
Frame Amidships, Angle, E or [	10 x 3 1/2 x 7/16 to upper deck & alternately to Bridge deck in way of bridge		" " top Angles	3 3 3/8	
" " Extends up to			" " bottom Angles	3 1/2 3 1/2 7/16	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1- E 6 x 3 1/2 x 7/16	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	29 1/2 x 42	
Depth of Framing Girder	10"		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 3 3/8	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or [	✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	5 5 3/8	
" " Second 'tween Decks, Angle, [ or [	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	34 cont	34 alt
" " Third	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area. Coll. Bld	34 cont	34 every
" " In panting area from 1/4 len. forward to 15% len. from stem	12 3 1/2 7/16		Tank Side Brackets, height above base line at toe of Frame and thickness	59 x 38	
" " in Peaks, Angle or [	7 3 33		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5/4		Breadth and thickness of Middle Line Strake	65 1/2 x 40 x 1/2 under hatches	✓
State if Frame Joggled	Yes		Thickness of remainder in Holds	35 x 43 under hatches	
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 in Wells, Angle, E or [	6 3 1/2 5/16	
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, E or [	7 3 33	abreast Casings
Height of Brackets at side above base line at toe of frame			Spacing	Every	
Middle Line Keelson, on Floors, Angles, [ or [			Second Deck, amidships, Angle, [ or [	✓	
" " Through Plate or Intercoastal 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 Intercoastal Plate			Spacing	✓	
" " Angles			Poop Deck, Angle, E or [	6 3 1/2 5/16	
DOUBLE BOTTOM.			Spacing	Every	
Solid Floors, thickness and spacing	34 every		Bridge Deck, Angle, E or [	7 3 33 and 6 3 1/2 5/16	
" " Are Frame and Reversed Frame joggled?	Yes		Spacing	Every	
Bracket Floors, breadth and thickness at middle line	None		Forecastle Deck, Angle, E or [	7 3 33 and 6 3 1/2 5/16	
" " breadth and thickness at margin plate	None		Spacing	Every	



## 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.....	✓		Thickness of Plating abreast Deck openings) in way of Wells .....	✓	
„ „ „ „ „	✓		Thickness of Plating abreast Deck openings) in way of Bridge .....	✓	
„ in Holds „ „	one row as approved.	✓	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	83½ x .65	✓	If Plated, state thickness .....	✓	
„ „ „ „ in way of Bridge	.40	✓	<b>Poop Deck.</b>		
„ Angle in Wells .....	6 6 .65	✓	Stringer Plate, breadth and thickness .....	.35	✓
Thickness of Plating abreast Deck openings) in way of Wells .....	.65	✓	Plating, Sheathing, material and thickness ...	.30	✓
Thickness of Plating abreast Deck openings) in way of Bridge .....	.35 + .30 .40 .35 .30	✓	<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	.50 and 1.0 between Nos 1 + 2 and Nos 3 + 4 hatchways.	✓	Stringer Plate, breadth and thickness.....	65½ x .40	✓
If Sheathed, material and thickness .....	None	✓	Plating, Sheathing, material and thickness ...	.35	✓
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	✓		Stringer Plate, breadth and thickness.....	.35	✓
			Plating, Sheathing, material and thickness ...	.30 + .35	✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>No</i> ✓			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.				Diam.	Spacing cr. to cr. Inches.		Diam.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL .....	<i>46½</i> ✓	<i>.65</i> ✓	<i>.59</i> ✓	<i>.59</i> ✓		<i>Double</i> ✓	<i>7/8</i> ✓	<i>3½</i> ✓	<i>Double</i> ✓	<i>7/8</i> ✓	<i>3½</i> ✓	<i>Lapped</i> ✓	
„ DBLG. (if any)		✓											
BOTTOM PLATING, No. } of Strakes ..... <i>3</i> }		<i>.50</i> ✓	<i>.42</i> ✓	<i>.42</i> ✓		<i>Double</i> ✓	<i>¾</i> ✓	<i>3</i> ✓	<i>Double</i> ✓	<i>¾</i> ✓	<i>2⅞</i> ✓	<i>Lapped</i> ✓	
BILGE PLATING, No. of } Strakes ..... <i>1</i> }		<i>.50</i> ✓	<i>.42</i> ✓	<i>.42</i> ✓		<i>Double</i> ✓	<i>¾</i> ✓	<i>3</i> ✓	<i>Double</i> ✓	<i>¾</i> ✓	<i>2⅞</i> ✓	<i>Lapped</i> ✓	
SIDE PLATING, No. of } Strakes ..... <i>2</i> }		<i>.50</i> ✓	<i>.40</i> ✓	<i>.40</i> ✓		<i>Double</i> ✓	<i>¾</i> ✓	<i>3</i> ✓	<i>Double</i> ✓	<i>¾</i> ✓	<i>2⅞</i> ✓	<i>Lapped</i> ✓	
UPPER DECK, Sheer- } strake in Wells.....)	<i>65</i> ✓	<i>.65</i> ✓	<i>.40</i> ✓	<i>.40</i> ✓					<i>Quad</i> ✓	<i>7/8</i> ✓	<i>3½</i> ✓	<i>Lapped</i> ✓	
UPPER DECK, Sheer- } strake in Bridge ...)		<i>.50</i> ✓				<i>Upper</i> <i>Beam</i> } <i>Single</i> ✓	<i>¾</i> ✓	<i>3</i> ✓	<i>Double</i> ✓	<i>¾</i> ✓	<i>2⅞</i> ✓	<i>Lapped</i> ✓	
STRAKE BELOW Sheer- } strake in Wells.....)		<i>.55</i> ✓	<i>.40</i> ✓	<i>.40</i> ✓		<i>Double</i> ✓	<i>7/8</i> ✓	<i>3½</i> ✓	<i>Double</i> ✓	<i>7/8</i> ✓	<i>3½</i> ✓	<i>Lapped</i> ✓	
STRAKE BELOW Sheer- } strake in Bridge ...)		<i>.50</i> ✓				<i>Double</i> ✓	<i>¾</i> ✓	<i>3</i> ✓	<i>Double</i> ✓	<i>¾</i> ✓	<i>2⅞</i> ✓	<i>Lapped</i> ✓	
POOP SIDE PLATING .....				<i>35 + 23</i> ✓		<i>Single</i> ✓	<i>¾</i> ✓	<i>3</i> ✓	<i>Single</i> ✓	<i>¾</i> ✓	<i>2⅞</i> ✓	<i>Lapped</i> ✓	
BRIDGE SIDE PLATING ...		<i>.45 + .50</i> ✓				<i>Single</i> ✓	<i>¾</i> ✓	<i>3</i> ✓	<i>Double</i> ✓	<i>¾</i> ✓	<i>2⅞</i> ✓	<i>Lapped</i> ✓	
FOREC'TLE SIDE PLATING			<i>.38</i> ✓			<i>one plate in depth</i> <i>Lower</i> } <i>Single</i> ✓	<i>¾</i> ✓	<i>3</i> ✓	<i>Single</i> ✓	<i>¾</i> ✓	<i>2⅞</i> ✓	<i>Lapped</i> ✓	

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	
Extending to Upper Deck (Sec. 3 c)	5 ✓
„ Deck next below	✓
As per Rule	5

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....		✓		
STEM .....	Roller bar	$8\frac{1}{2} \times 2\frac{1}{4}$	✓	
STERN FRAME	{ Propeller Post	Forged Iron	$9\frac{1}{2} \times 6$	C.M.E.W.
	{ Rudder	" "	$9\frac{1}{2} \times 6$	✓ "
Speed of Vessel .....		$10\frac{1}{2}$	✓	
RUDDER—Type .....		ordinary	✓	
" A x D .....		$2\frac{1}{2} \times 6$	✓	
" Diam. of head ...	Forged Iron	$8\frac{1}{2}$	C.M.E.W.	$8\frac{1}{2} + 10\%$
" Mainpiece at top pintle	"	$8\frac{1}{2}$	✓	"
" " heel ...	"	$6\frac{1}{2}$	✓	"
" how constructed .....	arms	keyed to mainpiece		
" double or single plate		Single		
" coupling, vertical or		Vertical		
" horizontal .....				

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)		
	<i>South Durham S. I Co.</i>	<i>Dorman Long &amp; Co.</i>	<i>Open Hearth!</i> <i>Cargo Fleet Iron Co.</i>
	<i>Skimmingrove Iron Co.</i>	<i>Consett Iron Co.</i>	
	Has the Steel been tested as required by the Rules? <i>Yes.</i>		







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:— Empire Harcourt & previous vessels.

Forging reports attached.

This vessel has been fitted with an 80 ton derrick forward and a 50 ton derrick aft.

PARTICULARS OF ELECTRIC WELDING (if employed)

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

Cruiser stern, Lengths A+CP, Cargo bottoms not fitted. Notation about equipment  
1 deck steel, 5 Bulkheads, Wing Tanks in Machinery space, D.F.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	<u>28-1-7</u>	<u>J.H.G.</u>	<u>Cut No 5975.</u>	<u>10.11.43.</u>
	2nd "	<u>28-1-0</u>	<u>J.H.G.</u>	<u>" 5976</u>	<u>10.11.43.</u>
	3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32.7 ft., R.Q.D. ☒ ft., Bridge 82 ft., Forecastle 33.5 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. Signal Letters ☒ Extreme Breadth over Belting ☒ Over-all Length 327.9  
(Circ. 1611) (Circ. 1705)

No. and Material of Decks 1 deck steel.

Parts of Bottom of Vessel coated with cement or approved composition F+R peaks, boiler room D.B. tanks, & bilges cemented.  
Elsewhere inside D.B. cement covering all rivet heads in bottom frames, girders, shell seams & bulks.

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,	<u>106</u>	<u>228</u>	Fore peak tank,	<u>21</u>	<u>130</u>
Double bottom, under Engines and Boilers,	<u>38</u>	<u>128</u>	After peak tank,	<u>18</u>	<u>115</u>
Double bottom, if under Engines only,			Deep tank, aft, <u>Wing Tanks in Machy space</u>	<u>14</u>	<u>194</u>
Double bottom, if under Boilers only,	<u>124</u>	<u>333</u>	Deep tank, forward,		
Double bottom, forward,	<u>268</u>	<u>689</u>	Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 2478

Date

7/7/43

Dates of Surveys held while building

1943. July 22.23. Aug 17.28. Sept 6.15.27.29. Oct 4.25. Nov 4.8.11.12.17.19.23.25  
30. Dec 23.6.9.11.30 - 1944 - Jan 6.7.13.14.17.20.21.24.31. Feb 2.3.4.6.9.14.15.17.  
18.22.23.28.29

Total No. of Visits 47