

13 OCT 1941

Rpt. 1.

STEEL STEAMER or MOTORSHIP

Received at London Office

9 OCT 1941

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

8th October 1941.

Port of

LEITH.

No. *20514.*

Survey held at

Burntisland.

Date First Survey

29th April 1941.

Last Survey

23rd Sept

1941.

On the

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

STL. SCLL, SC. SR. "SIR LEONARD PEARCE" (Machinery Aft.)

State Type

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

Immediate draft type - R.Q.D. Collier.

State Type of Erections *R.Q.D. Bridge Forecastle.*

TONNAGE under Tonnage Deck...

1179.

CLASS *100. A.1.*

State if with freeboard as condition of Class

Yes.

Built at *Burntisland.*

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

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

L 242.75.

Launched *5th August 1941.* Yard No. *251.*

Total

1179.

Breadth (greatest moulded)

B 39.33.

Builders *The Burntisland S.S. Co. Ltd.*

Gross Tonnage

1580.

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

D 22.5 R.Q.D.

Owners *London Power Co. Ltd.*

Register Tonnage

911.

1st Longitudinal Number (L x D)

= 4491.

Managers *Associated Companies, Ltd.*

2nd Numeral L x (B + D)

= 14038.

Residence *4, St Dunstons Alley, London E.C. 3.*

REGISTERED DIMENSIONS.

length

247.0

breadth

39.6

depth

16.6

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

4.05.

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

13.12

Do. Long Beams to top of keel

10.79.

Draught Moulded

16.625

Port of Registry *LONDON.*

If surveyed while building, afloat, or in dry dock

while building + 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.
FRAMES, Spacing amidships	<i>27.</i>	✓	Bracket Floors, Frame		
" " from $\frac{3}{8}$ length amidships to Collision bulkhead	<i>27.</i>	✓	" " Reversed Frame		
" " in peaks	<i>23.</i>	✓	" " Vertical Struts		
DE FRAMING.			Centre Girder, depth and thickness amidships	<i>32 x 40.</i>	<i>APPROVED.</i>
Frame Amidships, Angle, \square or \square	<i>7 3 38</i>	✓	" " top Angles	<i>DOUBLE 3 3 36</i>	✓
" " Extends up to	<i>R.Q. DECK.</i>	✓	" " bottom Angles	<i>DOUBLE 3 1/2 3 1/2 38</i>	✓
Reversed Frame Amidships, Angle	<i>7 3 32</i>	✓	Side Girders, No. each side and thickness	<i>ONE 9 x 3 x 40</i>	✓
" " Extends up to	<i>UPPER DECK.</i>	✓	Margin Plate depth (excl. of flange) and thickness	<i>TANK TOP RISES AT BILGE, TO 9' 3" ABOVE ED BASE LINE.</i>	✓
Depth of Framing Girder	<i>7</i>	✓	" " Vertical Angle to Tank side	<i>3 3 38</i>	✓
Frames in Uppermost Continuous 'tween Decks, Angle, \square or \square			" " Bracket abaft $\frac{1}{2}$ len. from stem	<i>3 3 38</i>	✓
" " Second 'tween Decks, Angle, \square or \square			" " Vertical Angle to Tank side	<i>3 3 38</i>	✓
" " Third " " " "			" " Bracket from forward $\frac{1}{2}$ len. from stem to Panting Area		
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	<i>7 3 32</i>	✓	" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	<i>NONE.</i>	<i>APPROVED.</i>
" " in Peaks, Angle, \square or \square	<i>6 3 28</i>	✓	" " Gussets, spacing and scantling from forward $\frac{1}{2}$ len. from stem to Panting Area	<i>NONE.</i>	<i>APPROVED.</i>
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/4" DIA. SPACED 6" DIA. APART C/RG. + CLOSED UP AT BILGE.</i>	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	<i>11 1/2 x 38</i>	<i>APPROVED.</i>
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/or as approved?	<i>AS APPROVED + TO RULE REQUIREMENTS.</i>	✓	Breadth and thickness of Middle Line Strake	<i>83 1/2 x 50 38 + 08</i>	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>AS APPROVED + AS PER OWNERS.</i>	✓	Thickness of remainder in Holds	<i>.50</i>	<i>34 + 08</i>
DOUBLE 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	<i>4 3 30</i>	✓
Middle Line Keelson, on Floors, Angles, \square or \square			" " in Wells, Angle, \square or \square	<i>6 3 40</i>	✓
" " Through Plate or Intercoastal Plate			" " in way of Bridge, Angle		
" " Foundation Plate on Floors			THROUGH BEAMS. \square or \square		
" " Flat Plate Keel Angles			Spacing	<i>EVERY.</i>	✓
Side Keelsons, No. each side			R.Q. Second Deck, amidships, Angle, \square or \square	<i>4 3 30</i>	✓
" " thickness of Intercoastal Plate			" " $\frac{1}{2}$ BEAMS.		
" " Angles			Spacing	<i>EVERY.</i>	✓
DOUBLE BOTTOM.			Third Deck, amidships, Angle, \square or \square		
Solid Floors, thickness and spacing	<i>.32 EVERY.</i>	✓	Spacing		
" " Are Frame and Reversed Frame joggled?	<i>YES.</i>	✓	Fourth Deck, amidships, Angle, \square or \square		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Poop Deck, Angle, \square or \square		
			Spacing		
			Bridge Deck, Angle, \square or \square	<i>5 3 25</i>	✓
			Spacing	<i>EVERY.</i>	✓
			Forecastle Deck, Angle, \square or \square	<i>6 3 28</i>	✓
			Spacing	<i>5 3 26</i>	✓

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.	
CANTILEVER BRACKETS SPACED PILLARS, No. of Rows. <i>A. FRAME SPACES APART IN LIEU.</i> <i>(SEE APPROVED PLANS.)</i>											
in 'tween Decks, Size and Spacing.....						Stringer Plate, breadth and thickness in way of Bridge		✓			
" " " " "						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... STRINGER ANGLE.		5 5 .51		✓	
" " " " "						If Sheathed, material and thickness		NONE - EXCEPT 2" COMPASTIC OVER AFT ACCOM. 1" WELLS DONE IN ENG. ACCOM.		✓	
Centre Line Bulkhead. Stiffeners and Spacing.....											
Plating, thickness of						Third Deck.					
						Stringer Plate, breadth and thickness.....					
Plating, thickness of						If Plated, state thickness.....					
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells <i>72 3/4 x .69</i> ✓											
" " " " in way of Bridge		<i>82 1/4 x .47</i>		APPROVED 84" ✓		Stringer Plate, breadth and thickness.....					
" Angle in Wells		<i>5 5 .59</i>		✓		If Plated, state thickness					
Thickness of Plating abreast Deck openings in way of Wells		✓				Poop Deck.					
Thickness of Plating abreast Deck openings in way of Bridge		✓				Stringer Plate, breadth and thickness					
Thickness of Plating within line of openings...		<i>.34</i>		APPROVED .30 ✓		Plating, Sheathing, material and thickness ...					
If Sheathed, material and thickness		NONE EXCEPT 1" COMP. IN ACCOM.		✓		Bridge Deck.					
R. Q.						Stringer Plate, breadth and thickness.....		<i>34 1/2 x .32</i>		APPROVED 34" ✓	
Second Deck.						Plating, Sheathing, material and thickness ...		<i>(AND SEE APPROVED PLANS.)</i>		✓	
Stringer Plate, breadth and thickness in Wells...		<i>64 1/2 x .55</i>		✓		Forecastle Deck.					
						Stringer Plate, breadth and thickness.....		<i>PLATED TRANSVERSELY</i>		✓	
						Plating, Sheathing, material and thickness ...		<i>.30 NOT SHEATHED.</i>		✓	
								<i>.50 UNDER WINDLASS & 3" PITCH LINE.</i>		✓	

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	No.	SINGLE OR DOUBLE.	RIVETS.	No. of Rows of Rivets.	RIVETS.	STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.								
	Inches.	Inches.	Inches.	Inches.								
FLAT PLATE KEEL	<i>58 1/2</i>	<i>.53</i>	<i>.49</i>	<i>.49</i>		DOUBLE	<i>3/4</i>	<i>3</i>	TREBLE	<i>7/8</i>	<i>3 1/8</i>	LAPPED.
" DBLG. (if any)												
BOTTOM PLATING, No. of Strakes	<i>A. 80 3/4</i>	<i>.47</i>	<i>.53</i>	<i>.39</i>	PLATING .44 ON STERN FRAME.	DOUBLE	<i>3/4</i>	<i>3</i>	TREBLE + DOUBLE	<i>3/4</i>	<i>2 5/8</i>	LAPPED.
BILGE PLATING, No. of Strakes	<i>B. 80 3/4</i>	<i>.47</i>	<i>.53</i>	<i>.39</i>		DOUBLE	<i>3/4</i>	<i>3</i>	TREBLE + DOUBLE	<i>3/4</i>	<i>2 5/8</i>	LAPPED.
SIDE PLATING, No. of Strakes	<i>F. 69</i>	<i>.47</i>	<i>.53</i>	<i>.39</i>		DOUBLE	<i>3/4</i>	<i>3</i>	TREBLE + DOUBLE	<i>3/4</i>	<i>2 5/8</i>	LAPPED.
UPPER DECK, Sheer-strake in Wells.....	<i>D. 68 1/2</i>	<i>.47</i>	<i>.38</i>	<i>.39</i>		DOUBLE	<i>3/4</i>	<i>3</i>	TREBLE + DOUBLE	<i>3/4</i>	<i>2 5/8</i>	LAPPED.
UPPER DECK, Sheer-strake in Bridge ...	<i>E. 64 5/8</i>	<i>.47</i>	<i>.38</i>	<i>.39</i>		DOUBLE	<i>3/4</i>	<i>3</i>	TREBLE + DOUBLE	<i>3/4</i>	<i>2 5/8</i>	LAPPED.
STRAKE BELOW Sheer-strake in Wells.....	<i>G. 48 1/2</i>	<i>.59</i>	<i>.38</i>	<i>-</i>		TOP EDGE SINGLE.	<i>7/8</i>	<i>3 1/2</i>	TREBLE + DOUBLE	<i>7/8</i>	<i>3 1/8</i>	LAPPED.
STRAKE BELOW Sheer-strake in Bridge ...	<i>H. 50 3/4</i>	<i>.51</i>	<i>-</i>	<i>.39</i>		DOUBLE	<i>3/4</i>	<i>3</i>	TREBLE + DOUBLE	<i>3/4</i>	<i>2 5/8</i>	LAPPED.
POOP SIDE PLATING	<i>I. 50 3/4</i>	<i>.51</i>	<i>-</i>	<i>.39</i>		SINGLE	<i>3/4</i>	<i>3</i>	TREBLE + DOUBLE	<i>3/4</i>	<i>2 5/8</i>	LAPPED.
BRIDGE SIDE PLATING ...	<i>J. 50 3/4</i>	<i>.51</i>	<i>-</i>	<i>.39</i>		SINGLE	<i>3/4</i>	<i>3</i>	TREBLE + DOUBLE	<i>3/4</i>	<i>2 5/8</i>	LAPPED.
FORECASTLE SIDE PLATING	<i>K. 50 3/4</i>	<i>.51</i>	<i>-</i>	<i>.39</i>		SINGLE	<i>3/4</i>	<i>3</i>	TREBLE + DOUBLE	<i>3/4</i>	<i>2 5/8</i>	LAPPED.

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	<i>4841 R.B.</i>
Extending to Upper Deck (Sec. 3 c)	<i>3.</i>
Deck next below	<i>1. TO W.T. FLAT AT AFTER PEAK.</i>
As per Rule	<i>4.</i>

STIFFENERS.

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks					
" " Second					
" " Third	<i>F.R. 28.</i>	<i>3 1/2 x 40</i>	<i>8 x 3 x 34 5/8</i>	<i>37</i>	<i>STRAUS. 6 x 3 x 40 L</i>
" " Holds	<i>F.R. 70.</i>	<i>3 1/2 x 33</i>	<i>6 x 3 x 34 5/8</i>	<i>27.</i>	
COLLISION (in Hold)	<i>F.R. 99.</i>	<i>30 x 37</i>	<i>7 x 3 x 32 5/8</i>	<i>24.</i>	
AFTER PEAK	<i>F.R. 5.</i>	<i>30 x 65</i>	<i>4 x 3 x 34 5/8</i>	<i>24.</i>	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		✓		
STEM	<i>ROLLER STEEL BAR.</i>	<i>7 1/2 x 1 7/8</i>		<i>AT BOTTOM PLATE STEM ABOVE.</i>
STERN FRAME	Propeller Post	<i>F.S.</i>	<i>T.S. FORSTER & SONS L.</i>	
	Rudder	<i>F.S.</i>		<i>SEE PLAN.</i>
Speed of Vessel		<i>12 KNOTS.</i>		
RUDDER—Type		<i>ORDINARY DOUBLE PLATED.</i>		
" A x D		<i>236.5.</i>		
" Diam. of head	<i>F.S.</i>	<i>7 3/8</i>	<i>T.S. FORSTER & SONS L.</i>	
" Mainpiece at top pintle		<i>7 x 6 1/8</i>		
" " heel ...		<i>6 1/2 x 3 1/8</i>		<i>4 see plan</i>
" how constructed		<i>FORGED FRAME WITH 2 ARMS.</i>		
" double or single plate		<i>.48 DOUBLE.</i>		
" coupling, vertical or horizontal		<i>HORIZONTAL.</i>		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	<i>Open hearth.</i>
Steel of Scotland, Lancashire, Bolsville, Bonsett, Skinningrove, Dorman Long, Cargo	
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.)

This vessel is a sister ship to the same Builders No. 234, S.S. AMBROSE FLEMING L.H. No. 20368. The following plans are forwarded herewith:—

Midship Section.

Profile and Decks.

Pumping Plan.

Hornframe & Budder.

Proposed Alternative to half height Tank Siders.

Amended Arrangement of Engine Space Centre Sider Verticals.

Modification to Deck at Fore End No. 1 Hatch.

Tiller for Quadrant.

Quadrant.

General Arrangement.

General Arrangement (Ambrose Fleming only.)

MacGregor Steel Hatch Covers (Ambrose Fleming only.)

Forging & Boiling Reports (3 off.)

Tiller for Quadrant (Ambrose Fleming only.)

Quadrant. (Ambrose Fleming only.)

PARTICULARS OF ELECTRIC WELDING (if employed) Aux: seats, thrust seat, engine seatings, engine & boiler room tanks top plating to shell and odd fittings not effecting the main structure of the vessel.

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

Bruised Stern - Machy aft - One Dk (S.H.) - Cargo battens not fitted. E.S.D.

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

1st Bower 19 cast 3 gr 15 lbs. - E.E. - 10528 - 21-12-39.
2nd " 19 cast 2 gr 11 lbs - R.O.D. - 31069 - 16-2-40.
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 148.58 ft., Bridge 15.75 ft., Forecastle 24.42 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 168216 Signal Letters B.C.P.Q. Extreme Breadth over Belting 39.5' Over-all Length 256.83' No belting fitted
No. and Material of Decks One Dk. (S.H.) (Circ. 1611) (Circ. 1703)

Parts of Bottom of Vessel coated with cement or approved composition Fills of cement at seams & laps & over rick heads in double bottom tanks, Boiler feed tank, Hydrostank mixed in cement.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft, For ^o N ^o 1.	64.75	216	Fore peak tank,	{ UPPER 24.42	63.
Double bottom, under Engines and Boilers, N ^o 2.	103.50	372	After peak tank,	{ LOWER 22.40	91.
Double bottom, if under Engines only, FEED WATER N ^o 3.	11.25	17	Deep tank, aft,	10.00	18.
Double bottom, if under Boilers only, N ^o 4.	12.25	10	Deep tank, forward,	13.50	58.
Double bottom, forward,	✓	✓	Deep tank, forward,	✓	✓
Total length (if continuous) and Capacity	191.75	615	Other tanks, if fitted,	✓	✓
			(If necessary, furnish further information by sketch.)	✓	✓

Order for Special Survey No. 2043

Date 23/12/40.

Dates of Surveys held while building

1941. April 29th, May 1st, 5th, 7th, 12th, 15th, 20th, 23rd, 29th, June 4th, 18th, 23rd, 27th, July 3rd, 8th, 15th, 18th, 29th, August 1st, 4th, 5th, 21st, 26th, 29th, September 5th, 9th, 16th, 23rd, 2020

Total No. of Visits 28.