

STEEL STEAMER or MOTORSHIP.

AUG -5 1940

Received at London Office

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 *1st August 1940* Port of *West Hartlepool.*No. *18061.*Survey held at *Hartlepool.*Date First Survey *31st August, 1939* Last Survey *30th July* 1940On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single Screw "ITOLA"* machinery amidships.State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling Limited draught* State Type of Erections *P.B.F.*TONNAGE under Tonnage Deck... *6128.39*CLASS *+ 100 A.1.*State if with freeboard as condition of Class *Yes.*Built at *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 420'-0"*Launched *21st May 1940* Yard No. *1102*Breadth (greatest moulded) *B 57'-3 1/2"*Builders *Wm Gray & Co Ltd.*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 34'-6"*Owners *British India Steam. Nav. Co Ltd.*

Total

Gross Tonnage *6493.96*Register Tonnage *3969.29*1st Longitudinal Number (L x D) = *14490*

Managers

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

2nd Numeral L x (B + D) = *38551*

Residence

REGISTERED DIMENSIONS.

FEET.

Length *426.8*Breadth *57.6*Depth *32.0*Framing Depth "d," at middle of length. See Sec. 3 (1d) *20.54*Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.17*Port of Registry *London*

If surveyed while building, afloat, or in dry dock

Do. Long Bridge to top of keel *10.0*Draught Moulded *24'-9 3/4"*

building, afloat & 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	<i>30 1/2"</i>		Bracket Floors, Frame	<i>✓</i>	
" " from 1/2 length amidships to Collision bulkhead	<i>27"</i>		" " Reversed Frame	<i>✓</i>	
" " in peaks	<i>24"</i>		" " Vertical Struts	<i>✓</i>	
IDE FRAMING.			Centre Girder, depth and thickness amidships	<i>43 1/2 x .53</i>	<i>✓</i>
Frame Amidships, Angle, E or C	<i>12 3 1/2 .45</i>	<i>✓</i>	" " top Angles	<i>3 1/2 3 1/2 .47</i>	<i>✓</i>
" " Extends up to	<i>Second dk.</i>	<i>✓</i>	" " bottom Angles	<i>4 4 .53</i>	<i>✓</i>
Reversed Frame Amidships, Angle	<i>✓</i>		Side Girders, No. each side and thickness	<i>1 at .37</i>	<i>✓</i>
" " Extends up to	<i>✓</i>		Margin Plate depth (excl. of flange) and thickness	<i>39 1/2 x .53</i>	<i>✓</i>
Depth of Framing Girder	<i>12"</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<i>6 6 .43</i>	<i>and for 1/2 depth</i>
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	<i>8 3 1/2 .36</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	<i>6 6 .43</i>	<i>double</i>
" " Second 'tween Decks, Angle, E or C	<i>✓</i>		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>continuous</i>	<i>✓</i>
" " Third " " " "	<i>✓</i>		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	<i>continuous</i>	<i>✓</i>
" " from 1/2 len. for'd. to 15% len. from Stem	<i>12 x 3 1/2 x 3 1/2 .52</i>	<i>✓</i>	Tank Side Brackets, height above base line at toe of Frame and thickness	<i>71" x .42</i>	<i>✓</i>
" " in Peaks, Angle or C	<i>8 3 1/2 .35</i>	<i>8 x 3 1/2 x 3 1/2</i>	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 - 6 1/4"</i>	<i>5 3/4"</i>	Breadth and thickness of Middle Line Strake	<i>84 x .51</i>	<i>52 1/2 x .51</i>
State if Frame Joggled	<i>Yes</i>	<i>See letter 19.8.40</i>	Thickness of remainder in Holds	<i>.43</i>	<i>✓</i>
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>Yes</i>		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>	<i>✓</i>
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>Yes</i>		BEAMS.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or C	<i>9 3 1/2 .42</i>	<i>Thro' ✓</i>
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, E or C	<i>8 3 1/2 .44</i>	<i>Half ✓</i>
Height of Brackets at side above base line at toe of frame			Spacing	<i>Every</i>	<i>✓</i>
Middle Line Keelson, on Floors, Angles, E or C			Second Deck, amidships, Angle, E or C	<i>11 3 1/2 .42</i>	<i>Thro' ✓</i>
" " Through Plate or Intercoastal Plate			Spacing	<i>Every</i>	<i>✓</i>
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or C	<i>✓</i>	
" " Flat Plate Keel Angles			Spacing	<i>✓</i>	
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or C	<i>✓</i>	
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle, E or C	<i>6 3 .34</i>	<i>6 x 3 x .34</i>
DOUBLE BOTTOM.			Spacing	<i>every</i>	<i>✓</i>
Solid Floors, thickness and spacing	<i>41 at 30 1/2"</i>	<i>✓</i>	Bridge Deck, Angle, E or C	<i>8 x 3 x .49</i>	<i>and .44 x .42</i>
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>	<i>✓</i>	Spacing	<i>every</i>	<i>✓</i>
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, E or C	<i>9 3 1/2 .40</i>	<i>9 x 3 1/2 x .40</i>
" " breadth and thickness at margin plate			Spacing	<i>every</i>	<i>✓</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.	
PILLARS, No. of Rows.....		<i>Two</i>									
,, in 'tween Decks, Size and Spacing.....		<i>as per approved plan</i>									
,, ,, ,, ,, ,,											
,, in Holds ,, ,,											
,, ,, ,, ,, ,,											
Centre Line Bulkhead.											
Stiffeners and Spacing.....		✓									
Plating, thickness of		✓									
STRINGERS AND DECKS.											
Uppermost Continuous Deck.											
Stringer Plate, breadth and thickness in Wells		<i>77½ x .66</i>		✓							
,, ,, ,, in way of Bridge		<i>.46</i>		✓							
,, Angle in Wells		<i>6 6 .64</i>		✓							
Thickness of Plating abreast Deck openings) in way of Wells		<i>.59</i>		✓							
Thickness of Plating abreast Deck openings) in way of Bridge		<i>.36</i>		✓							
Thickness of Plating within line of openings...		<i>.42 in Wells .34 in Bridge</i>		✓							
If Sheathed, material and thickness		<i>none</i>		✓							
Second Deck.											
Stringer Plate, breadth and thickness in Wells...		<i>77½ x .40</i>		✓							
Stringer Plate, breadth and thickness in way of Bridge		<i>as per approved plan</i>									
Thickness of Plating abreast Deck openings) in way of Wells		<i>.36</i>		✓							
Thickness of Plating abreast Deck openings) in way of Bridge		<i>.34</i>		✓							
Thickness of Plating within line of openings...		<i>.34</i>		✓							
If Sheathed, material and thickness		<i>none</i>		✓							
Third Deck.											
Stringer Plate, breadth and thickness.....		✓									
If Plated, state thickness.....		✓									
Fourth Deck.											
Stringer Plate, breadth and thickness.....		✓									
If Plated, state thickness		✓									
Poop Deck.											
Stringer Plate, breadth and thickness		<i>36½ x .36</i>		✓							
Plating, Sheathing, material and thickness ...		<i>.30 x .26</i>		✓							
Bridge Deck.											
Stringer Plate, breadth and thickness.....		<i>70 x .45</i>		✓							
Plating, Sheathing, material and thickness ...		<i>.44 x .38</i>		✓							
Forecastle Deck.											
Stringer Plate, breadth and thickness.....		<i>35 x .36</i>		✓							
Plating, Sheathing, material and thickness ...		<i>.34</i>		✓							

SHELL PLATING.													
SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?				BUTTS.			
	AMIDSHIPS.		FORWARD.			SINGLE OR DOUBLE.	No. RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAINED OR LAPPED.	
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	AFT. Thickness. Inches.			Diam. Inches.	Spacing or to cr. Inches.		Diam. Inches.	Spacing or to cr. Inches.		
FLAT PLATE KEEL	5½	· 81 ✓	· 71 ✓	· 71 ✓		Double	1	3¾ ✓	Quad ✓	1	4 ✓	lapped	
„ DELG. (if any)													
BOTTOM PLATING, No. of of Strakes 4.)		· 62 ✓	· 49 ✓	· 49 ✓		Double ✓	7⁄8	3½ ✓	Quad ✓	7⁄8	3½ ✓	lapped	
BILGE PLATING, No. of Strakes 2.)		· 62 ✓	· 49 ✓	· 49 ✓		Double ✓	7⁄8	3½ ✓	Quad ✓	7⁄8	3½ ✓	„	
SIDE PLATING, No. of Strakes 3.)		· 62 ✓	· 46 ✓	· 46 ✓		Double ✓	7⁄8	3½ ✓	Double ✓	7⁄8	3½ ✓	„	
UPPER DECK, Sheer- strake in Wells.....)	68 ✓	· 74 ✓	· 46 ✓	· 46 ✓		-	-	-	Quad ✓	1	4 ✓	„	
UPPER DECK, Sheer- strake in Bridge ...)	80 ✓	· 62 ✓				Double	7⁄8	3½ ✓	Quad ✓	7⁄8	3½ ✓	„	
STRAKE BELOW Sheer- strake in Wells.....)	67½ ✓	· 65 ✓	· 49 ✓	· 46 ✓		Double	7⁄8	3½ ✓	Quad ✓	7⁄8	3½ ✓	„	
STRAKE BELOW Sheer- strake in Bridge ...)	67½ ✓	· 62 ✓				Double	7⁄8	3½ ✓	Double ✓	7⁄8	3½ ✓	„	
POOP SIDE PLATING				· 39 ✓		Single ✓	¾	3 ✓	Single ✓	¾	2 7⁄8 ✓	„	
BRIDGE SIDE PLATING ...		· 55 ✓				one plate ✓	✓	✓	Double ✓	7⁄8	3½ ✓	„	
FORE'C'TLE SIDE PLATING			· 42 ✓			Single ✓	¾	3 ✓	Single ✓	¾	2 7⁄8 ✓	„	

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.)

Appd Plans + Forging reports forwarded herewith together with appd plans of the sister vessels, "Stinder" + "Indora"

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, D.F. Sigs A.C.P.
"with freeboard"

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	Weight and Pins	Surveyor's initials	No. of Cast.	Date of Test.
1st Bower	43-0-7	JS.	2501	27.12.39.
2nd "	44-0-0	JS.	2433	1.12.39.
3rd "	38-7-14	JS.	2191	12.9.39.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 41.6 ft., R.Q.D. ft., Bridge 139.3 ft., Forecastle 38.6 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 167619. Signal Letters ✓ Extreme Breadth over Belting (Circ. 1611) Over-all Length (Circ. 1703) 442' 10" Not joined
No. and Material of Decks 2 decks, steel.
Parts of Bottom of Vessel coated with cement or approved composition Double bottom 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,	134' 8 1/2"	335	Fore peak tank,	20' 1"	175
Double bottom, under Engines and Boilers,	25' 5"	114	After peak tank,	28' 0"	168
Double bottom, if under Engines only,	20' 4"	✓	Deep tank, aft,		
Double bottom, if under Boilers only,	185' 3 1/2"	678	Deep tank, forward,		
Double bottom, forward,	365' 9"	1127	Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 2418

Date 13/6/39

Dates of Surveys held while building

1939. Aug. 31. Sept. 7. 21. 25. Oct. 5. 10. 13. 18. 30. Nov. 6. 9. 15. 21. 27. 29. Dec. 5. 6. 14. 22. 27.
1940. Jan. 8. 11. 12. 16. 19. 22. 29. 31. Feb. 5. 8. 14. 19. 21. 26. March 4. 7. 11. 14. 18. 21. 27. 29.
April 2. 9. 11. 15. 16. 18. 23. 26. 29. May 9. 21. 22. 24. 28. June 4. 5. 11. 12. 19. 26. July 1. 2. 4.
11. 16. 19. 22. 23. 25. 26. 27. 30.

Total No. of Visits 74