

## STEEL STEAMER or MOTORSHIP.

Received at London Office MAY 19 1938

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel Yes

Date of completion of report

17.5.38.

Port of Sunderland

No. 32381

Survey held at SunderlandDate First Survey 19 July 1937 Last Survey 11 May 1938

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

M. V. "Cliftonhall" Single Screw.

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

Complete superstructure with tonnage opening State Type of Erections File on C.S.S.

TONNAGE under Tonnage Deck

4639.71CLASS +100A1 State if with freeboard as condition of Class YesBuilt at Sunderland

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

Length from fore part of stem to after part of stern 417.54  
most on summer L.W. See Sec. 3 (1a) 415.25Launched 15.3.38 Yard No. 1042Breadth (greatest moulded) 53.96Builders Messrs W. Doxford & Sons 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) 36.67Owners West Hartlepool Steam Navigation Co. LtdGross Tonnage 5,062.53Register Tonnage 2,968.091st Longitudinal Number (L x D) = 15,227

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

2nd Numeral L x (B + D) = 37,634Residence West Hartlepool

## REGISTERED DIMENSIONS.

FEET.

Length 426.20Framing Depth "d," at middle of length. See Sec. 3 (1d) 25.06Breadth 54.30Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.17Depth 26.10Draught Moulded 25' 4"Port of Registry West HartlepoolIf surveyed while building, afloat, 2 in dry dock Yes

## 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>	<u>31½</u>	✓	<b>Bracket Floors, Frame</b> <u>13.9.13.5</u>	<u>6 3½ .36</u>	✓
" " from ½ length amidships to Collision bulkhead	<u>27</u>	✓	" " Reversed Frame <u>0.9</u>	<u>7 3½ .38</u>	✓
" " in peaks	<u>24</u>	✓	" " Vertical Struts <u>5</u>	<u>8 x 3½ x 3½ x 42</u>	✓
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	<u>43½ x 54</u>	✓
Frame Amidships, Angle <u>E or [</u> <u>13.5</u>	<u>13½ 4 .49</u>	✓	" " top Angles	<u>3½ 3½ .48</u>	✓
" " Extends up to	<u>2nd Dk.</u>	✓	" " bottom Angles	<u>4 4 .58</u>	✓
<b>Reversed Frame Amidships, Angle</b>	✓		<b>Side Girders, No. each side and thickness</b>	<u>One .38</u>	✓
" " Extends up to	✓		<b>Margin Plate depth (excl. of flange) and thickness</b>	<u>40" x 54</u>	✓
<b>Depth of Framing Girder</b>	<u>13½</u>	✓	" " Vertical Angle to Tank side	<u>6 6 .44</u>	✓
<b>Frames in Uppermost Continuous 'tween Decks, Angle <u>E or [</u> <u>13.5</u></b>	<u>6 3½ .36</u>	✓	" " Bracket abaft ½ len. from stem	<u>6 6 .44</u>	✓
" " Second 'tween Decks, Angle <u>E or [</u>	✓		" " Vertical Angle to Tank side	<u>6 6 .44</u>	✓
" " Third " " "	<u>13½ 4 .49</u>	✓	" " Bracket from forward ½ len. from stem to Panting Area	<u>6 6 .44</u>	✓
" " from ½ len. for'd. to 15% len. from Stem	<u>4 4 .58</u>	✓	" " Gussets, spacing and scantling abaft ½ len. from stem	<u>42 plate continuous</u>	✓
" " in Peaks, Angle <u>E or [</u> <u>13.5</u>	<u>8 3½ .38</u>	✓	" " Gussets, spacing and scantling from forward ½ len. from stem to Panting Area	<u>42 plate continuous</u>	✓
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	<u>7/8 - 5½</u>	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	<u>69½ x 45</u>	✓
<b>State if Frame Joggled</b>	<u>Yes</u>	✓	<b>INNER BOTTOM PLATING.</b>		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<u>Yes</u>	✓	Breadth and thickness of Middle Line Strake	<u>72 x 50</u>	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<u>Yes</u>	✓	Thickness of remainder in Holds	<u>44</u>	✓
<b>SINGLE BOTTOM.</b>			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?	<u>Yes</u>	✓
Floors, Depth and thickness at mid-line in Holds	✓		<b>BEAMS.</b>		
Height of Brackets at side above base line at toe of frame	✓		Uppermost Continuous Deck, amidships	<u>7 3½ .43</u>	✓
<b>Middle Line Keelson, on Floors, Angles, <u>E or [</u></b>	✓		" " in Wells, Angle <u>E or [</u> <u>13.5</u>	✓	
" " Through Plate or Intercoastal Plate	✓		" " in way of Bridge, Angle, <u>E or [</u>	✓	
" " Foundation Plate on Floors	✓		Spacing	<u>Every</u>	✓
" " Flat Plate Keel Angles	✓		<b>Second Deck, amidships, Angle <u>E or [</u> <u>13.5</u></b>	<u>8 3 .42</u>	✓
<b>Side Keelsons, No. each side</b>	✓		Spacing	<u>Every</u>	✓
" " thickness of Intercoastal Plate	✓		<b>Third Deck, amidships, Angle, <u>E or [</u></b>	✓	
" " Angles	✓		Spacing	✓	
<b>DOUBLE BOTTOM.</b>			<b>Fourth Deck, amidships, Angle, <u>E or [</u></b>	✓	
Solid Floors, thickness and spacing	<u>42 Every 3'</u>	✓	Spacing	✓	
" " Are Frame and Reversed Frame joggled?	<u>Yes</u>	✓	<b>Poop Deck, Angle, <u>E or [</u></b>	✓	
<b>Bracket Floors, breadth and thickness at middle line</b>	<u>32½ x 42</u>	✓	Spacing	✓	
" " breadth and thickness at margin plate	<u>32½ x 42</u>	✓	<b>Bridge Deck, Angle, <u>E or [</u></b>	✓	
			Spacing	✓	
			<b>Forecastle Deck, Angle <u>E or [</u> <u>13.5</u></b>	<u>9 3½ .38</u>	✓
			Spacing	<u>Every</u>	✓



PILLARS AND DECKS.

PILLARS AND DECKS.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	PILLARS AND DECKS.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.....</b>		Cone	✓	Stringer Plate, breadth and thickness in way of Bridge .....		✓	
" in 'tween Decks, Size and Spacing.....		C.L. Bulb	✓	Thickness of Plating abreast Deck openings in way of Wells .....	36		✓
" " " " " "		8x3t x 40t x 9	✓	Thickness of Plating abreast Deck openings in way of Bridge .....		✓	
" " " " " "		to 3 1/2 x 3 1/2 x 36	✓	Thickness of Plating within line of openings...	34		✓
" in Holds " " " "		Query		If Sheathed, material and thickness .....		✓	
" " " " " "		C.L. Bulb		<b>Third Deck.</b>			
<b>Centre Line Bulkhead.</b>				Stringer Plate, breadth and thickness.....		✓	
Stiffeners and Spacing.....		12x3t x 3t x 48	✓	If Plated, state thickness.....		✓	
Plating, thickness of .....		to 6x3 x 34t x 9	✓	<b>Fourth Deck.</b>			
		Query		Stringer Plate, breadth and thickness.....		✓	
		30.		If Plated, state thickness .....		✓	
<b>STRINGERS AND DECKS.</b>				<b>Poop Deck.</b>			
<b>Uppermost Continuous Deck.</b>				Stringer Plate, breadth and thickness .....		✓	
Stringer Plate, breadth and thickness in Walls		68" x 65	✓	If Plated, state thickness .....		✓	
" " " " in way of Bridge			✓	<b>Bridge Deck.</b>			
" Angle in Walls .....		66 x 58	✓	Stringer Plate, breadth and thickness .....		✓	
Thickness of Plating abreast Deck openings in way of Wells .....		59	✓	Plating, Sheathing, material and thickness ...		✓	
Thickness of Plating abreast Deck openings in way of Bridge .....			✓	<b>Forecastle Deck.</b>			
Thickness of Plating within line of openings...		42	✓	Stringer Plate, breadth and thickness.....	36		✓
If Sheathed, material and thickness .....			✓	Plating, Sheathing, material and thickness ...	34		✓
<b>Second Deck.</b>							
Stringer Plate, breadth and thickness in Walls...		70" x 40.	✓				

## SHELL PLATING.

SCANTLINGS.					RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.					BUTTS.		STRAPPED OR LAPPED.	
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.			
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.				Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.		
FLAT PLATE KEEL .....	52	.78	.68	.68		Double	1	3 7/8	✓	4	1	4	Crap.	
" DBLG. (if any) ✓														
BOTTOM PLATING, No. } of Strakes .....	4	.60	.50	.50		Double	7/8	3 1/2	✓	3	7/8	3 1/8	Crap.	
BILGE PLATING, No. of } Strakes .....	1	.60	.54	.50		Double	7/8	3 1/2	✓	3	7/8	3 1/8	Crap.	
SIDE PLATING, No. of } Strakes .....	5	.60	.46	.46		Double	7/8	3 1/2	✓	3	7/8	3 1/8	Crap.	
UPPER DECK, Sheer- strake in Wells..... } ✓														
UPPER DECK, Sheer- strake in Bridge ... } <i>contra</i>														
STRAKE BELOW Sheer- strake in Wells..... } <i>Owner's extra</i>	91	.73	.46	.46	+ .07 for 1/2 L	Double	7/8	3 1/2	✓	4	7/8	3 1/2	Crap.	
STRAKE BELOW Sheer- strake in Bridge ... } ✓														
POOP SIDE PLATING .....														
BRIDGE SIDE PLATING ... ✓														
FORE'TLE SIDE PLATING		.42				Single	7/8	3 1/2	✓	2	7/8	3 1/8	Crap	
FORGINGS and CASTINGS.														

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—				1 ✓	
Extending to Upper Deck (Sec. 3 c)				6 ✓	
" Deck next below				7 ✓	
As per Rule				7 ✓	
				STIFFENERS.	
				VERTICAL.	HORIZONTAL.
				Scantlings.	Spacing.
				Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks				✓	
" " Second "				✓	
" " Third "				✓	
" " Holds .....				49-30	12 x 3 1/2 x 3 1/2 .34 24" 39" x 4 1/4 ✓ 10 x 3 1/2 x 50 7/16 bar
COLLISION " (in Hold) .....				54-29	10 x 3 1/2 x 48 BARS 24" Semi. box ✓
AFTER PEAK " " .....				75-30	8 x 3 x 30 1/2 BARS 24" Semi. box ✓ 7 1/2

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....	✓	9 3/4 x 2 5/8 + 5 plates	✓	
STEM .....		35 1/2 x 11 1/2	Nederlandsche Staalfabrieken	
STERN FRAME {		Castings	✓	
Propeller Post .....		15" x 12"	✓	
Rudder .....		11 knots	✓	
Speed of Vessel .....		'Intin' patent	✓	
RUDDER—Type .....				
" A x D .....				
" Diam. of head .....		Forging 7 3/4	T. S. Foster	✓
" Mainpiece at top pintle .....		11 1/2	✓	
" " heel .....		8 1/4	✓	
" how constructed .....		Plates welded on	✓	
" double or single plate .....		Double - 44	✓	
" coupling, vertical or .....		Horizontal	✓	
" horizontal .....				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *open-hearth*  
*Cargo Fleet, Colvilles, Appleby Loughborough, Consett, South. Durham,*  
*Sharncliffe, Dorman Long*  
 Has the Steel been tested as required by the Rules? *Yes.* ✓

Has the Steel been tested as required by the Rules?



EQUIPMENT No 38,285.										LETTER at ✓		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.						
37,844.	1st Bower ...	68	1	7	✓	✓		52	18	3	0	✓	Cwts.	Byers Ship's Stk?	✓	L.P.H.S. 14.12.27 G.H.B.	
37,824	2nd " ...	68	0	0	✓			52	12	2	0	✓			✓	L.P.H.S. 8.12.27 G.H.B.	
37,666	3rd " ...	58	2	0	✓			47	10	0	0	✓			✓	L.P.H.S. 26.10.27 G.H.B.	
	Collective weight.	194	3	7	✓							✓	194-2-0	" " "	✓	L.P.H.S. 26.10.27 G.H.B.	
51,335.	Stream .....	19	0	21.	✓	4	3	14	20	1	3	14	✓	19-0-0.	Ordinary	✓	L.P.H.C.H. 16.2.38 G.H.P.
CHAIN CABLES.																	

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.	Statu- tory.	Break- ing.	Supplied.			Per Rule.		Length.					Diam.	Fathoms.		Ins.	Fathoms.	Ins.	Length.	Cir.
					Owts.	qrs.	lbs.	Owts.	Fathoms.													
39,616.	270	2 5/8	96 1/4	13 1/4	724-0-7			720-3-0	270	2 5/8	Stud- 2 1/2	✓	L.P.H.C. 31.3.38 C.W.	TOWLINE...	120	4 3/4	64.6	120	4 3/4			

Steering Gear, Type (Power or hand) Wilson Purdie Type (Power) Alternative Means of Steering Cast blocks & tackle

Steering Chains (Size and Test) Tellometer Windlass Emerson-Walker Boats Two 25 lb. lifeboats

Ceiling in Holds, thickness and material 2 1/2" white wood Cargo Battens, thickness, material and spacing 6" x 2" w.p. spaced 9"

Cargo Hatchways. (Upper Deck) Steel plated angles 'Keith' patent Thickness of Hatches 3"

Size of Hatchways No. 1 (Fwd.) 31' 6" x 22' 0" No. 2 31' 6" x 22' 0" No. 3 31' 6" x 22' 0" No. 4 31' 6" x 22' 0" No. 5 31' 6" x 22' 0" No. 6 ✓

Number of Shifting Beams No. 1-5. No. 2-5. No. 3-5. No. 4-5. No. 5-5.

Builder's Signature WILLIAM DOXFORD & SONS, Limited.

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 Oil engine

(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 (where required to be inserted in the Notation).

Fuel oil F. P. above 150° F for oil engines is carried in two 20 d. b. tanks and in d. b. tank at forward end of machinery space and in No. 5 d. b. tank.

The vessel has been constructed in accordance with the approved plans, the Secretary's letter and the Society's Rules. ✓ The materials and workmanship are good. ✓

The freeboard has been verified and cut in on the vessel's sides.

The double bottom tanks, deep tanks and fore and after peak tanks have been tested in accordance with the Society's Rules and found in order. ✓

The tunnel, decks, bulkheads, grand pump and watertight door have been tested and found in order. The windlass and steering gear have been tried under steam. ✓

The auxiliary steering gear has been rigged and tried. ✓

The following certificates are enclosed: - Stern frame, Rudder frame, Rudder arms, Quadrant, Tiller. ✓

The amount of Entry Fee ..... £ 9: : : Fees applied for, 18 MAY 1938 (Special notations, where part of class, to be stated.)

Special Survey Fee ..... £ 326: 11: 6 Received by me, 21.5 19.38

Freeboard ..... 16 I am of opinion the Vessel should be Classed +100A1

Travelling Expenses, if any £ : : : With freeboard. ✓

State whether the Vessel has been built under Special Survey Yes. Signature Colin Bartlett

Certificate to be sent to SUNDERLAND. Date of issue 19/7/38. Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE 24 MAY 1938

Character assigned +100A1

With freeboard

Lloyd's Assoc

White Hall

+ dmb. 5.38

2 d.B. - 120 lb

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The Surveyor - are requested to write on or before the Committee's Minutes.

M126-01272



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 ship (approx.) M.V. 'Forest', Doxford's 639. Sld Rlt 32227.

Rpt. 4b.

G.R. 130.

These  
Signal Letter

Official

160

No., Date,

Whether B  
Foreign

Briti

Number of

Number of

Rigged

Stern

Stern

Build

Framework

vessel

Number o

No. of  
Engines.

One

No. of  
Shafts.

Under

Space

Turret

Foreca

House

Poop

Side E

Deck

Chart

Space

Sec

189

Exces

Dedu

NOTE

NOTE

No.

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38

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17

PARTICULARS OF ELECTRIC WELDING (if employed) Electrodes—Fleetweld, except overhead and vertical which is Quasian.

Stems welded:—Survive in double bottom in machinery space, girders in deep tank, peak stringers, Plate collar to stringer in way of deep tank and peaks, 2<sup>nd</sup> deck stringer to shell, all angles with work, deck houses, Ventilator casings, hatch webs, rudder plates, all bulkhead brackets to tank top, Masts.

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

Including pen

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

1st Bower  
2nd "  
3rd "

44-2-14 J.F.R. 3003. 5.11.37  
43-3-14 J.F.R. 2958 29.10.37  
35-2-0 J.F.R. 2652 10.9.37

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 40 ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 160,779

Signal Letters

Extreme Breadth over Belting (Circ. 1611)

Over-all Length (Circ. 1708)

441.46.

No. and Material of Decks 1 DK: (STL) & SHELTER DK: (STL).

Parts of Bottom of Vessel coated with cement or approved composition

Cement in No 1, 4 & 6 double bottom tanks, and in peaks, remaining boxes carrying fuel oil.

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.)

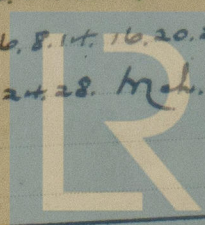
Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	121	323	Fore peak tank,		133
Double bottom, under Engines and Boilers, machinery	34	129	After peak tank,		177
Double bottom, if under Engines only,			Deep tank, <del>etc</del> amidships	29	1,146
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	192	722	Other tanks, if fitted,		
Total length (if continuous) and Capacity	347	1,174	(If necessary, furnish further information by sketch.)		

Order for Special Survey No 5862

Date 1. 6. 37.

Dates of Surveys held while building

1937. July 19. Aug 30 31. Sep. 3. 8. 10. 14. 16. 20. 21. 29. Oct. 4. 6. 7. 11. 12. 19. 22. 25  
28. Nov. 1. 3. 9. 10. 12. 18. 22. 23. 25. 28. 30. Dec. 1. 3. 6. 8. 14. 16. 20. 21. 22. 23. 29. 31. 1938. Jan. 4  
7. 10. 11. 14. 17. 19. 21. 24. 25. Feb. 1. 7. 9. 10. 14. 21. 23. 24. 28. Mar. 1. 3. 7. 8. 11. 14. 15. Apr. 7. 13. 21. 24  
27. 29. May. 2. 5. 6. 9. 11



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