

STEEL STEAMER or ~~MOTORSHIP~~

Received at London Office 1940

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

15th April 1940.Port of *West Hartlepool*

No. 18031

Survey held at

Date First Survey

15th May, 1939

Last Survey

12th April 1940

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

*Single Screw "FLORIAN"**machinery amidships*

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

*C.S.S. with tonnage opening*State Type of Erections *C.S.S. with Forecastle on top*

TONNAGE under Tonnage Deck... 2454.76

CLASS +100A.1.

State if with freeboard as condition of Class *Yes*Built at *West Hartlepool*Launched *26th Jan. 1940* Yard No. 1099Builders *Wm Gray & Co Ltd.*Owners *Ellerman*Managers *Ellerman & Papayanni Lines Ltd.*
(Where necessary to be entered in Reg. Book.)

Residence

Port of Registry *Liverpool*

If surveyed while building, afloat, or in dry dock

Building, afloat & in dry dock.

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

Total

Gross Tonnage 3143.64

Register Tonnage 1486.36

REGISTERED DIMENSIONS.
FEET.

Length

345.7

Breadth

50.1

Depth

20.7

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

L 338'-9"

Breadth (greatest moulded)

B 49'-10"

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

D 32'-9"

1st Longitudinal Number (L x D) = 11094

2nd Numeral L x (B + D) = 29974

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

19.83

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

10.34

Do. Long Bridge to top of keel

Draught Moulded

22'-0 1/2"

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	29" ✓		Bracket Floors, Frame	6 3 1/2 34 ✓	
" " from 1/2 length amidships to Collision bulkhead	27" ✓		" " Reversed Frame	5 1/2 3 34 ✓	
" " in peaks	24" ✓		" " Vertical Struts	5 1/2 3 34 ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	41 x 50 ✓	
Frame Amidships, Angle, E or C	11 3 1/2 43 ✓		" " top Angles	3 3 44 ✓	
" " Extends up to	2 nd deck ✓		" " bottom Angles	4 4 48 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1 - 36 ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	37 x 48 ✓	
Depth of Framing Girder	11" ✓		" " Vertical Angle to Tank side	6 6 40 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	7 1/2 3 1/2 37 7 1/2 3 1/2 37 ✓	BA 083	" " Bracket abaft 1/2 len. from stem	6 6 40 ✓	
" " Second 'tween Decks, Angle, E or C	✓		" " Vertical Angle to Tank side	6 6 40 ✓	
" " Third " " " "	✓		" " Bracket from forward 1/2 len. from stem to Panting Area	38 continuous ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	12 3 1/2 45 ✓	BA	" " Gussets, spacing and scantling abaft 1/2 len. from stem	38 continuous ✓	
" " in Peaks, Angle or C	8 3 39 ✓	8 x 3 x 35	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	38 continuous ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	8 3 1/2 35 ✓	8 x 3 x 35	Tank Side Brackets, height above base line at toe of Frame and thickness	68 1/2 x 43 ✓	
State if Frame Joggled	Yes ✓		INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes ✓		Breadth and thickness of Middle Line Strake	42 1/2 x 48 ✓	80 x 45
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓		Thickness of remainder in Holds	40 plus ✓	08 under hatchways ✓
Are the scantlings and arrangements in way of the Bottom Forward 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 ✓	
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships	7 3 41 ✓	
Height of Brackets at side above base line at toe of frame	✓		" " in Wells, Angle, E or C	✓	
Middle Line Keelson, on Floors, Angles, E or C	✓		" " in way of Bridge, Angle, E or C	✓	
" " Through Plate or Intercoastal Plate	✓		Spacing	29" ✓	
" " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, E or C	8 3 37 ✓	
" " Flat Plate Keel Angles	✓		Spacing	29" ✓	
Side Keelsons, No. each side	✓		Third Deck, amidships, Angle, E or C	✓	
" thickness of Intercoastal Plate	✓		Spacing	✓	
Angles	✓		Fourth Deck, amidships, Angle, E or C	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	38 at 58" ✓		Poop Deck, Angle, E or C	✓	
" " Are Frame and Reversed Frame joggled?	Yes ✓		Spacing	✓	
Bracket Floors, breadth and thickness at middle line	31 x 38 ✓		Bridge Deck, Angle, E or C	✓	
" " breadth and thickness at margin plate	31 x 38 ✓		Spacing	✓	
			Forecastle Deck, Angle, E or C	6 3 34 ✓	
			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.
PILLARS, No. of Rows..... <i>Two</i>	<i>m</i>	✓				
" in 'tween Decks, Size and Spacing.....	<i>inside space as far app. 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 .52</i>	✓	<i>77½ x .48</i>	✓		
" " " " " in way of Bridge		✓				
" Angle in Wells	<i>5 5 .52</i>	✓	<i>5 x 5 x .48</i>	✓		
Thickness of Plating abreast Deck openings in way of Wells	<i>.44</i>	✓	<i>.40</i>	✓		
Thickness of Plating abreast Deck openings in way of Bridge		✓				
Thickness of Plating within line of openings...	<i>.39</i>	✓	<i>.35</i>	✓		
If Sheathed, material and thickness	<i>unsheathed</i>	✓				
Second Deck.						
Stringer Plate, breadth and thickness in Wells...	<i>74 x .40</i>	✓	<i>.36</i>	✓		
	<i>and .36</i>					
Stringer Plate, breadth and thickness in way of Bridge		✓				
Thickness of Plating abreast Deck openings in way of Wells	<i>.33</i>	✓				
Thickness of Plating abreast Deck openings in way of Bridge		✓				
Thickness of Plating within line of openings...	<i>.32</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		✓				
Plating, Sheathing, material and thickness ...		✓				
Bridge Deck.						
Stringer Plate, breadth and thickness.....		✓				
Plating, Sheathing, material and thickness ...		✓				
Forecastle Deck.						
Stringer Plate, breadth and thickness.....	<i>.33 + .34</i>	✓				
Plating, Sheathing, material and thickness ...	<i>.32 + .40</i>	✓				
	<i>under midclass</i>	✓				

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		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.								
FLAT PLATE KEEL	49	.74	.70	.66	.66 ends	Double	7/8	3 3/4	Quad	1	4	Lapped
„ DBLG. (if any)												
BOTTOM PLATING, No. } of Strakes 3. }		.58	.68	.46	.46 ends	Double	7/8	3 3/4	Double	7/8	3 3/4	„
BILGE PLATING, No. of } Strakes 1. }		.58	.50	.46	„	Double	7/8	3 3/4	Double	7/8	3 3/8	„
SIDE PLATING, No. of } Strakes 3. }		.58	.48	.44	.44 ends	Double	7/8	3 3/4	Double	7/8	3 3/8	„
UPPER DECK, Sheer- } strake in Wells..... }	78	.64	.44	.44	.63 amid.	„	„	„	Quad	7/8	3 1/2	„
UPPER DECK, Sheer- } strake in Bridge ... }												
STRAKE BELOW Sheer- } strake in Wells..... }		.63	.48	.44	.59 amidships .44 ends	Double	7/8	3 3/4	Double	7/8	3 3/8	„
STRAKE BELOW Sheer- } strake in Bridge ... }												
POOP SIDE PLATING												
BRIDGE SIDE PLATING ...												
FORE'TLE SIDE PLATING			.40			Double	3/4	3	Double	3/4	2 5/8	„

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	4	✓
Extending to Upper Deck (Sec. 3 c)	1	2
„ Deck next below	6	1
As per Rule	6	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar		✓		
STEM	rolled bar	9 1/2 x 2 1/2		
STERN FRAME	{ Propeller Post { Rudder	cast } steel }	as per appd plan.	Wolverhampton Steel Co Ltd
Speed of Vessel	13 1/2	knots	✓	
RUDDER—Type.....		ordinary.		
„ A x D	382.99	✓		
„ Diam. of head	Forged steel	10 1/4	✓	
„ Mainpiece at top pintle				
„ „ heel ...				
„ how constructed	Rudder frame			✓
„ double or single plate		50 double plates	✓	
„ coupling, vertical or		horizontal	✓	
„ horizontal		horizontal	✓	

STIFFENERS.

			Plating Thickness.	VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD , Upper tween decks							
"	"	Second	"				
"	"	Third	"				
"	"	Holds	✓ 48-30	12x4x4x56 ✓	31½ ✓		
COLLISION	"	(in Hold)	✓ 45-31	8x3x.35 ✓	24 ✓	Semi box beams ✓	
AFTER PEAK	"	"	✓ 46-28	5x3x.36 ✓	37½ ✓		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Cargo Fleet Iron Co
South Durham S & I Co

Has the Steel been tested as required by the Rules?

Dorman Long & Co.

Consett Iron Co.

open heart ✓
Stimulating S & I Co

ingome S & Co
Lloyd's Register
Foundation

EQUIPMENT No 28787												LETTER W.	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.			
38314	1st Bower ...	52	3	-	Stockless			44	1	3	14	52 1/2	Bygon Imp. Stockless	not stated	Sld 4/5/38 JH Butler
38421	2nd " ...	52	2	21	"			44	1	3	14	52 1/2	" " "	" "	Sld 10/3/39 "
39126	3rd " ...	44	3	14	"			39	3	1	21	44 1/2	" " "	" "	Sld 17/10/39 W V Norman
	Collective weight.	150	1	7								149 1/2			
52677	Stream	14	1	0	3	2	26	15	16	3	14	14	Rodga Jangle W 9	Kendrick + Mac 14	C.N. 26/9/39 L E Paul

CHAIN CABLES.										HAWERS 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.	
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.		Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
59436	135	2 1/16	76 1/2	107 1/10	286.3.21		{	573 3/4	270	2 1/16	Stud	Kendrick & Mole Ld.	CH 26/9/39 L E Paul.	TOWLINE...	120	4 1/2	58.6	120	4 1/2
59437	135	2 1/16	76 1/2	107 1/10	286.1-10			573-1-3							HAWERS & WARPS	4.90	7"	manila	4.90
	270																		
																	</		

Steering Gear, Type (Power or hand) *J. Hastie & Co.* Alternative Means of Steering *Blocks & Tackle*

Steering Chains (Size and Test) *3" wood culling under hatchways* Windlass *Emerson Walker & Co. Ld. Boats*

Ceiling in Holds, thickness and material *3" wood culling under hatchways* Cargo Battens, thickness, material and spacing *6x2 int. spanning in holds & main dks 2 in frame space*

Cargo Hatchways.—(Upper Deck) *Steel plates & angles* Thickness of Hatches *3" on shelter deck*

Size of Hatchways No. 1 (Fwd.) *13'-6" x 14'-6"* No. 2 *33'-8" x 16'-0"* No. 3 *14'-6" x 14'-6"* No. 4 *9'-8" x 14'-6"* No. 5 *21'-9" x 16'-0"* No. 6 *14'-6" x 16'-0"*

Number of Shifting Beams and/or Fore and Afters *2 6 2 1 4 2*

Builder's Signature *FOR WILLIAM GRAY & CO. LIMITED.*
Wm. S. Simpson GENERAL MANAGER.

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

This vessel has been constructed in accordance with the approved plans, the Secretary's letters, & generally conforms with the Society's Rules for the class contemplated. The materials & workmanship are good. All double bottom tanks & fore & aft peak tanks have been tested as required by the rules & found satisfactory. The weather decks, W.T. Bulkheads, W.T. doors & tunnel have been satisfactorily tested. The windlass & steering gear have been satisfactorily tried under working conditions. The assigned faceboards have been marked on the vessel's sides, verified & cut in.

The amount of Entry Fee £ *7 : 0 : 0* Fees applied for, (Special notations, where part of class, to be stated.)

Special Survey Fee.... £ *233 : 14 : 0* Received by me, *13/5/1940*

Freight *14 0 0* *14/5*

Travelling Expenses, if any £ : : *14/5*

State whether the Vessel has been built under Special Survey *Yes* Signature *W. J. Gray*

Certificate to be sent to *West Hartlepool* Date of issue *29/4/40* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI 26 APR 1940*

Character assigned *+100A.1 With freeboard*

Lloyd's Reg. *Mike Mike* *4.40* *32* *10/6*

W 395-0102(212)

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.)

Four approved plans together with the plans approved for the sister vessels "Belgavian", "Dorian", "Cornthian" & "Malvernian" are attached.
Forging reports attached.

PARTICULARS OF ELECTRIC WELDING (if employed) ✓

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book
"Cousin Stern", Refrig. Machinery, DF, ESD, A & CP.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.		Weight incl. pins	Surveyor's Initials.	No of Cert.	Date.
1st Bower		33-2-21 ✓	J.D.	1437	24.8.37.
2nd "		34-1-14 ✓	J.F.R.	3007	5.11.37
3rd "		30-3-8 ✓	J.D.	2037	10.7.39.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 27.8 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated
Official No. 166292. Signal Letters ✓ Extreme Breadth over Belting (Circ. 1611) ✓ Over-all Length 358.8 (Circ. 1703)
No. and Material of Decks one deck & shelter dk. skel
Parts of Bottom of Vessel coated with cement or approved composition Nos 4 & 5, D.B. tanks & bilges cemented. Peaks cemented cement fillers in other D.B. tanks.
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,	74'10"	128 ✓	Fore peak tank,	18'0"	24 ✓
Double bottom, under Engines and Boilers,	79'9"	281 FW ✓	After peak tank,	10'0"	14 ✓
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	135'11"	336 ✓	Other tanks, if fitted,		
Total length (if continuous) and Capacity	290'-6"	745 ✓	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 2415
Date 13/6/39
Dates of Surveys held while building
1939. May 15.17.24. June 2.5.16.21.26.29. July 3.10.11.13.18.25.27. Aug. 2.23.24.31. Sept. 2.4.8.14.20.21.25
Oct. 5.9.10.17.20.27.30. Nov. 1.6.10.13.15.16.20.22.24.27.29.30. Dec. 6.14.18.27.
1940 Jan. 8.11.12.16.19.23.26.31. Feb. 1.5.8.14.16.21.27. March 1.4.11.14.19.20.27. April 2.6
9.12
Total No. of Visits 76