

STEEL STEAMER OR MOTORSHIP

Received at London Office OCT 28 1937

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 26th October, 1937 Port of WEST HARTLEPOOL No. 17756Survey held at West Hartlepool Date First Survey 30th DECEMBER, 1936, Last Survey 19th OCTOBER, 1937.

On the (State if Machinery fitted Aft and Single, Twin or Triple Screw) Single Screw Steamer "G.S. LIVANOS", Machinery Amidships.

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Complete Superstructure with no tonnage opening aft. State Type of Erections C.S.S.

TONNAGE under Tonnage Deck 4379.42 CLASS 100 A1. State if with freeboard as condition of Class YES. 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 most on summer L.W.L. See Sec. 3 (1a) L 414.00

LENGTH OVERALL 431.10

Breadth (greatest moulded) B 56.50

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 35.23

1st Longitudinal Number (L x D) = 14935

2nd Numeral L x (B + D) = 38226

Framing Depth "d," at middle of length. See Sec. 3 (1d) 24.25

Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.39

Do. Long Bridge to top of keel

Draught Moulded 24.11

Launched 25th August, 1937 Yard No. 1078

Builders Wm. Gray and Co. Ltd. S.G. LIVANOS AND LIVANOS

Owners Messrs. The Eastern & Mediterranean Co. Ltd. of London.

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

Residence Denis Marks House, Denis Marks, London.

Port of Registry CHIOS, GREECE.

If surveyed while building, afloat, or in dry dock Whilst Building, Afloat, and 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	30	✓	Bracket Floors, Frame	L 6 3/4 31	✓
" " from 3/4 length amidships to Collision bulkhead	27	✓	" " Reversed Frame	L 6 3/4 32	✓
" " in peaks	24	✓	" " Vertical Struts	L 6 3/4 32	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	49 x 54	✓
Frame Amidships, Angle, E or C	12 x 3/4 x 56	✓	" " top Angles	3/4 3/4 48	✓
" " Extends up to	2 nd Deck and Upper Dk. @ Hatch Sides.	✓	" " bottom Angles	4 4 54	✓
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	ONE @ 38	✓
" " Extends up to	✓	✓	Margin Plate depth (excl. of flange) and thickness	39 x 54	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 x 6 x 44	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	6 x 3/4 x 38	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	6 x 6 x 44	✓
" " Second 'tween Decks, Angle, E or C	✓	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	EVERY FRAME 22 x 42	✓
" " Third " " " "	✓	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	6-7/8 RIVETS.	✓
" " from 1/2 len. for'd. to 15% len. from Stem	12 x 3/4 x 60 BA. AT 27" SPACING.	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	68 x 48	✓
" " in Peaks, Angle, E or C	8 x 3/4 x 35 BA.	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 6 1/2 D. SIDES. 7 D. BOTTOM.	✓	Breadth and thickness of Middle Line Strake	60 x 51	✓
State if Frame Joggled	YES.	✓	Thickness of remainder in Holds	44	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and 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. CHROMIUM STEEL AS PER PLANS.	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and as approved?	YES.	✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Walls, Angle, E or C	10 3/4 40	✓
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, E or C	8 x 3/4 x 39 BA. HALF DECK.	✓
Height of Brackets at side above base line at toe of frame			Spacing	30	✓
Middle Line Keelson, on Floors, Angles, E or C			Second Deck, amidships, Angle, E or C	12 3/4 45	✓
" " Through Plate or Intercoastal Plate			Spacing	30	✓
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or C		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or C		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle, E or C		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	42 @ 60	✓	Bridge Deck, Angle, E or C		
" " Are Frame and Reversed Frame joggled?	YES	✓	Spacing		
Bracket Floors, breadth and thickness at middle line	32 1/2 x 42	✓	Forecastle Deck, Angle, E or C	8 x 3 x 46 x 35	✓
" " breadth and thickness at margin plate	32 1/2 x 42	✓	Spacing	27 AND 24	✓

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.....	ONE.	✓	Stringer Plate, breadth and thickness in way of Bridge	✓	
" in 'tween Decks, Size and Spacing.....	2 3/4 @ 48" FORN ^D	✓	Thickness of Plating abreast Deck openings) in way of Wells.....)	.36	✓
" " " " "	✓		Thickness of Plating abreast Deck openings) in way of Bridge	✓	
" in Holds " "	✓		Thickness of Plating within line of openings...	.34	✓
" " " " "	✓		If Sheathed, material and thickness	NO.	✓
Centre Line Bulkhead.	T.D. 5 x 3 x .32 ANA. @ 60"		Third Deck.		
Stiffeners and Spacing.....	HOLD 12 x 3 1/2 x .45 S.A. @ 60"		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	T.D. .26		If Plated, state thickness.....	✓	
	HOLD .30	✓	Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....	✓	
Uppermost Continuous Deck.			If Plated, state thickness	✓	
Stringer Plate, breadth and thickness in Wells	77 x .59	✓	Poop Deck.		
" " " " , in way of Bridge	✓		Stringer Plate, breadth and thickness	✓	
" Angle in Wells	6 x 6 x .59	✓	Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings) in way of Wells.....)	.53	✓	Bridge Deck.		
Thickness of Plating abreast Deck openings) in way of Bridge	✓		Stringer Plate, breadth and thickness.....	✓	
Thickness of Plating within line of openings...	.40	✓	Plating, Sheathing, material and thickness ...	✓	
If Sheathed, material and thickness	NO	✓	Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....	.46	✓
Stringer Plate, breadth and thickness in Wells...	77 1/2 x .39	✓	Plating, Sheathing , material and thickness44 STEEL.	✓

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.					Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.											Inches.
FLAT PLATE KEEL	52	.77	.67	.67	✓		DOUBLE.	7/8	3 3/4	✓	FOUR	1	4	✓	LAPPED
„ DBLG. (if any)	✓						✓								
BOTTOM PLATING, No. of Strakes FOUR ...	76	.59	.50	.59	✓		DOUBLE.	7/8	3 3/4	✓	THREE	7/8	3/8	✓	LAPPED
BILGE PLATING, No. of Strakes ONE	62	.59	.50	.59	✓		"	"	"	✓	"	"	"	✓	"
SIDE PLATING, No. of Strakes FOUR	78 1/2	.59	.50	.50	✓	+ .04 AT ENDS.	"	"	"	✓	"	"	"	✓	"
UPPER DECK, Sheer- strake in Wells	57 1/2	.68	.50	.50	✓	"	"	"	"	✓	FOUR	"	3/4	✓	"
UPPER DECK, Sheer- strake in Bridge ...	✓						✓			✓					
STRAKE BELOW Sheer- strake in Wells	53 1/2	.65	.50	.50	✓	"	DOUBLE.	7/8	3 3/4	✓	FOUR	7/8	3/4	✓	LAPPED.
STRAKE BELOW Sheer- strake in Bridge ...	✓														
POOP SIDE PLATING	✓														
BRIDGE SIDE PLATING ...	✓														
FOREC'TLE SIDE PLATING			.42		✓		SINGLE.	3/4	2	✓	SINGLE	3/4	2 5/8	✓	LAPPED.

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	SEVEN ✓
Extending to Upper Deck (Sec. 3 c)	ONE
„ Deck next below	SIX
As per Rule	SEVEN ✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar	Flat	Plate	Keel.	
STEM	ROLLED	10"	The Langshire Steel Co. Ltd.	
	STEEL BAR	2 1/2"	late	
STERN FRAME {	Propeller Post	W.G. 11" x 8 1/8"	C.M.E.W.	10 1/2" x 7 1/8"
	Rudder	Forging 10 5/8" x 8 1/8"	Wm. Gray + Co. Ltd.	late 10 1/2" x 7 1/8"
Speed of Vessel	11	KNOTS.		
RUDDER—Type		DUPLEX BUILT.		
" A x D	109.4	x 2.53	= 277	
" Diam. of head	W.G.	8" = 10 3/4"	C.M.E.W.	
" Mainpiece at top pintle	W.G.	8"	Wm. Gray	
" " heel ...	Forging.	10 1/2" x 10 1/2"	+ Co. Ltd.	
" how constructed		DUPLEX BUILT.		
" double or single plate		SINGLE		
" coupling, vertical or horizontal		HORIZONTAL.		

			Plating Thickness.	STIFFENERS.			
				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks			✓				
"	"	Second "	✓				
"	"	Third "	✓				
"	"	Holds	✓	12" x 3/4" x .45" B.A. ✓	30"		
COLLISION "				9" x 3/4" x .45" B.A. ✓	24"	SEMI-BOX BEAMS AT STR. LEVELS. ✓	
AFTER PEAK "				7" x 3" x .30" B.A. ✓	24"	TWO SEMI- BOX BEAMS. ✓	

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

STEEL. PLATES:- Dorman Long and Co., Ltd.; South Durham Steel and Iron Co., Ltd. ANGLES:- Schillies Ltd.; Dorman Long and Co., Ltd.
Large Flat Iron Co.; S. Lloyd and Co., Ltd.; Richards and Sons, Ltd.; Paine and Co., Ltd.; Cornett Iron Co., Ltd.; Skinningrove Iron Co., Ltd.

Has the Steel been tested as required by the Rules? YES.

EQUIPMENT No 39004

LETTER A +

ANCHORS.

Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
37087	1st Bower	Cwts. qrs. lbs. 68 1 0	STOCKLESS.	52 15 2 14	68	Dyer's Improved Stockless	✓	Sunderland, 26/4/37, Butler
37068	2nd "	68 1 0	STOCKLESS.	52 15 2 14	68	"	✓	" 7/4/37, "
37085	3rd "	58 3 14	STOCKLESS.	47 13 3 -	58 1/2	"	✓	" 23/4/37, "
	Collective weight.	195 1 14			194 1/2			
50484	Stream	19 0 0	IRON STOCK.	19 17 2 0	19	Rodgers' Forged W.I. Anchor.	✓	End. North. 18/6/37, Paul.

CHAIN CABLES.

HAWSERS 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.
36917	255	2 ³ / ₁₆	96 ¹ / ₄	134 ³ / ₄	682.3.7	TOTAL	270	2 ³ / ₁₆	STUD LINK.	✓	hardiff, 15/9/37, Wright	TOWLINE...	120	5	70.9	120	4 ³ / ₄
36683B	15	2 ⁵ / ₁₆	96 ¹ / ₄	134 ³ / ₄	40.2.3				STUD LINK.	✓	" , 12/1/37, "	HAWSERS & WARPS }	20 90	3	18.6	20 90	2 ³ / ₄
39485	FOR	15 ¹ / ₁₆	31	46 ¹ / ₂	- 1.0				FORELOCK SHACKLES.	✓	" , 8/9/37, "	"	20 90	2 ³ / ₄	15.2	20 90	2 ¹ / ₂
Steel Stream Chain - Steel Wire }	90	4 ³ / ₄		64.6			90	5 ² / ₁₆	9 ¹ / ₁₆ GAL. FLEX. CRUC. STEEL WIRE ROPE.		Hall's Barton Ldgery. for. Ltd.	"	20 90	8"	MANILA.		
												"	20 90	7"			
													"	20 90			

Steering Gear, Type (Power or hand) *Rankin, 8" x 7 1/2" Vertical, telemotor controlled.* Alternative Means of Steering *Blocks and Tackles to lift Steam*

Steering Chains (Size and Test) *✓* Windlass *Blake Chapman & Co., Ltd., 10" dia. x 14" stroke.* Boats *2 @ 27'-0" x 8'-3" x 3'-5" 1 @ 16'-0" x 5'-6" x 2'-3" 1 @ 16'-0" x 5'-4" x 2'-2"*

Ceiling in Holds, thickness and material *2 1/2" Thick W.P. under Hatches and at Bilges.* Cargo Battens, thickness, material and spacing *2" Thick, W.P., 12" apart.*

Cargo Hatchways.-(Upper Deck) *Steel Plates and Angles.* Thickness of Hatches *2 1/2" Thick W.P.*

Size of Hatchways No. 1 (Fwd.) *31'-6" x 22'-0"* No. 2 *32'-6" x 22'-0"* No. 3 *32'-6" x 22'-0"* No. 4 *6'-6" x 22'-0"* No. 5 *32'-6" x 22'-0"* No. 6 *32'-6" x 22'-0"*

Number of Shifting Beams *W^o. 1, 2, 4 and 5 - each 5 beams. N^o. 3 - 4 beams and 1 division bld. N^o. 3A. - 1 beam in centre section only.*

Builder's Signature

FOR WILLIAM GRAY & CO. LIMITED.

Thos. 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 built in accordance with the Rules, the approved plans and the Secretary's letters. The materials and workmanship are good. The double bottom tanks, fore and after peak tanks, and the fresh water tank in the Engine Room have been satisfactorily tested under water pressure as required by the Rules. The weather decks, watertight bulkheads, watertight doors and tunnel have been hose tested. The ash slot has been tested whilst full of water. The watertight doors, steering gear, auxiliary means of steering and windlass have been tried under working conditions and found satisfactory. The hand pumps, forward and aft, have been tried under working conditions and found satisfactory.

Freeboards, in accordance with the Convention Regulations, have been marked on vessel's sides, cut in, verified and certificate issued.

The vessel is fitted with "Wireless", "Directional Wireless", "Radio Landing Device", and "Electric Light".

The amount of Entry Fee £ 8 : 0 : 0

Fees applied for,

(Special notations, where part of class, to be stated.)

Special Survey Fee.... £ 316 : 15 : 0

19

Received by me,

We are

I am of opinion the Vessel should be Classed **100 A1**

Travelling Expenses, if any £

11.11.37

with freeboard

State whether the Vessel has been built under Special Survey **YES**.

Signatures

B. Millar and Hugh L. Walker

Surveyors to Lloyd's Register of Shipping.

Certificate to be sent to **WEST HARTLEPOOL**. Date of issue **12/11/37**.

Committee's Minute

TUE 2 NOV 1937

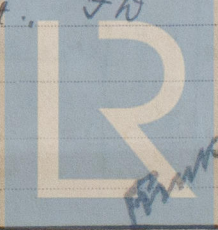
Character assigned

+ 100 A1 with Freeboard

Lloyd's Assoc + dmc 10.37 Ch

L.S.B., Sp. 20 / Aug 38

Oh.



Lloyd's Register of Shipping

W1132-0307 1/2

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.)

DRY DOCKING. 12TH. OCTOBER, 1937.

The vessel was placed in the Central Dry Dock, the bottom and rudder cleaned and recoated.

SISTER VESSEL :- S.S. "THEOFANO LIVANOS" YARD NO. 1075,
West Hartlepool Report No. 17717.

PARTICULARS OF ELECTRIC WELDING (if employed)

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

"WITH FREEBOARD" D.F. E.S.D. Lloyd's A.K.C.P. CRUISER STERN.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	CWTs. QRS. LBS.			W.H.		
	2nd "	40	0	11	W.H.	6179	31/12/36.
	3rd "	40	0	22	W.H.	6180	31/12/36.
		33	0	10	W.H.	6311	5/2/37.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 35.42 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 431.10 feet.
(Circ. 1611) (Circ. 1703)
No. and Material of Decks 1 Dk. (Stl) & Shelter Dk. (Stl)
Parts of Bottom of Vessel coated with cement or approved composition All with 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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	135.00	415.00	Fore peak tank,	21.00	217.0
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	24.00	200.0
Double bottom, if under Engines only,	22.50	99.00	Deep tank, aft,		
Double bottom, if under Boilers only, DRY TANK	13.00	✓	Deep tank, forward,		
Double bottom, forward,	192.50	686.00	Other tanks, if fitted,		
Total length (if continuous) and Capacity.	365.00	1200.00	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 2396

Date 18TH DECEMBER, 1936

Dates of Surveys held while building

1936 DEC. 30 - 1937 Jan. 4. 11. 19. Feb. 2. 4. 10. 18. 25. Mar. 3. 9. 17. 18. Apr. 13. 16. 19. 27. 29. May. 3. 5. 11. 18. 19. 20. 21. 26. 28. June. 1. 2. 4. 7. 14. 15. 16. 17. 18. 22. 23. 25. 28. 29. 30. July. 1. 3. 5. 20. 26. Aug. 11. 19. 20. 23. 25. 26. 31. Sept. 3. 21. 22. 27. 28. 29. 30. Oct. 1. 4. 5. 7. 8. 11. 14. 15. 16. 18. 19.

Total No. of Visits

72.

Lloyd's Register Foundation