

STEEL STEAMER or MOTORSHIP.

JUN -5 1940

Received at London Office

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

3rd June 1940

Port of

MIDDLESBROUGH.

No.

16850

Survey held at

South Bank-on-Sea

Date First Survey

3-7-39

Last Survey

18-5-1940

On the

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

Single Screw Steamer

"LANCASTRIAN PRINCE"

State Type

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

Complete superstructure with Tonnage Opening Aft

State Type of Erections Bridge & Forecastle on

Steel Deck

TONNAGE under Tonnage Deck

1510.01

CLASS 100A.1

"With freeboard"

State if with freeboard as condition of Class

Yes

Built at

South Bank-on-Sea

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 300

Launched

7-3-40

Yard No. 1067

Total

Breadth (greatest moulded)

B 44

Builders

Smiths Dock Co. Ltd.

Gross Tonnage

1913.72

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

D 26.75

Owners

Prince Line Ltd.

Register Tonnage

919.51

1st Longitudinal Number (L x D)

= 8025

Managers

Furness Withy & Co. Ltd.

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

2nd Numeral L x (B + D)

= 21,225

Residence

London

REGISTERED DIMENSIONS.

FEET.

Length

304.0

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

16.29

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

11.3

Port of Registry

London

Breadth

44.2

Do. Long Bridge to top of keel

18'-11 1/2"

If surveyed while building, afloat, or in dry dock

Depth

16.5

Draught Moulded

While building and 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	26 1/2	✓	Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead	24	✓	" " Reversed Frame		
" " in peaks	24 in fore Peak 24 in after Peak	✓	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	35 1/2 x 46	✓
Frame Amidships, Angle, [or]	8 3 46	✓	top Angle	5 5 40	✓
" " Extends up to	2nd Deck	✓	bottom Angles	3 1/2 3 1/2 45	✓
Reversed Frame Amidships, Angle	None	✓	Side Girders, No. each side and thickness	One 33	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	31 x 42	✓
Depth of Framing Girder	8	✓	" " Vertical Angle to Tank side	3 1/2 3 1/2 35	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	6 3 38	✓	Bracket abaft 1/2 len. from stem	3 1/2 3 1/2 35	in No. 2 hold
" " Second 'tween Decks, Angle, [or]	✓		" " Vertical Angle to Tank side	6 6 50	in No. 1 hold
" " Third " "	8 3 46	✓	Gussets, spacing and scantling abaft 1/2 len. from stem	Every 4 ft. 35	✓
" " from 1/2 len. for'd. to 1/2 len. from Stem	9 3 1/2 42	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	Every 2nd Fr. 35 in No. 2 hold Continuous 35 in No. 1 hold	✓
" " in Peaks, Angle of [8 3 32	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	4 1/2 x 36	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 @ 5 1/4	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Yes	✓	Breadth and thickness of Middle Line Strake	47 x 43 38	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	Thickness of remainder in Holds	37 34	✓
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	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [or]	7 3 45	✓
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or]	7 3 45	✓
Middle Line Keelson, on Floors, Angles, [or]			Spacing	26 1/2	✓
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, [or]	7 3 1/2 46	Welded toe to deck
" " Foundation Plate on Floors			Spacing	26 1/2	✓
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or]	✓	
Side Keelsons, No. each side			Spacing	✓	
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [or]	✓	
" " Angles			Spacing	✓	
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	✓	
Solid Floors, thickness and spacing	35 @ 26 1/2	✓	Spacing	✓	
" " Are Frame and Reversed Frame joggled?	Frame only	✓	Bridge Deck, Angle, [or]	5 3 36	✓
Bracket Floors, breadth and thickness at middle line	None	✓	Spacing	26 1/2	✓
" " breadth and thickness at margin plate	None	✓	Forecastle Deck, Angle, [or]	7 3 34	✓
			Spacing	24 and 18	✓

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	66 3/4 ✓	
in 'tween Decks, Size and Spacing.....	27 1/8 dia solid 2 1/2 spaces apart ✓	see plan	Thickness of Plating abreast Deck openings in way of Wells	30 ✓	
" " " " " " " " " " " "			Thickness of Plating abreast Deck openings in way of Bridge	30 ✓	
in Holds " " " " " " " " " " " "	Welded square tubular pillars as approved ✓	plan	Thickness of Plating within line of openings...	30 ✓	
Centre Line Bulkhead.			If Sheathed, material and thickness	No. ✓	
Stiffeners and Spacing.....	None ✓		Third Deck.		
Plating, thickness of	✓		Stringer Plate, breadth and thickness.....		
STRINGERS AND DECKS.			If Plated, state thickness.....		
Uppermost Continuous Deck.			Fourth Deck.		
Stringer Plate, breadth and thickness in Wells	75 x 39 ✓		Stringer Plate, breadth and thickness.....		
" " " " " " " " " " " "	75 x 34 ✓		If Plated, state thickness		
" Angle in Wells	5 5 39 ✓		Poop Deck.		
Thickness of Plating abreast Deck openings in way of Wells	37 ✓		Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Bridge	30 ✓		Plating, Sheathing, material and thickness		
Thickness of Plating within line of openings...	30 ✓		Bridge Deck.		
If Sheathed, material and thickness	2 1/2 Wood in way of accommodation ✓		Stringer Plate, breadth and thickness.....	30 ✓	
Second Deck.			Plating, Sheathing, material and thickness	28 2 1/2 p.p. ✓	
Stringer Plate, breadth and thickness in Wells...	66 3/4 ✓		Forecastle Deck.		
			Stringer Plate, breadth and thickness.....	30 ✓	
			Plating, Sheathing, material and thickness	30 ✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing or to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.	Inches.	Inches.	
FLAT PLATE KEEL	46 1/2 ✓	62 ✓	57 ✓	57 ✓		double ✓	7/8 3 1/2 ✓	Three ✓	7/8 3 1/8 ✓	Lapped ✓	
" DBLG. (if any)		None ✓									
BOTTOM PLATING, No. of Strakes	75 ✓	50 ✓	54 ✓	42 ✓		double ✓	3/4 3 ✓	Three ✓	3/4 2 5/8 ✓	Lapped ✓	
BILGE PLATING, No. of Strakes	71 1/2 ✓	50 ✓	42 ✓	42 ✓		" ✓	" ✓	" ✓	" ✓	" ✓	
SIDE PLATING, No. of Strakes	75 ✓	49 ✓	49 ✓	42 ✓		" ✓	" ✓	" ✓	" ✓	" ✓	
UPPER DECK, Sheer-strake in Wells	72 ✓	57 ✓	42 ✓	42 ✓		" ✓	7/8 3 1/2 ✓	" ✓	7/8 3 1/8 ✓	" ✓	
UPPER DECK, Sheer-strake in Bridge	72 ✓	47 ✓	" ✓	" ✓		" ✓	3/4 3 ✓	" ✓	3/4 2 5/8 ✓	" ✓	
STRAKE BELOW Sheer-strake in Wells	75 ✓	47 ✓	42 ✓	42 ✓		" ✓	" ✓	" ✓	" ✓	" ✓	
STRAKE BELOW Sheer-strake in Bridge	75 ✓	47 ✓	" ✓	" ✓		" ✓	" ✓	" ✓	" ✓	" ✓	
POOP SIDE PLATING											
BRIDGE SIDE PLATING		46 ✓				single ✓	3/4 3 ✓	Three ✓	3/4 2 5/8 ✓	Lapped ✓	
FORECASTLE SIDE PLATING			36 ✓			" ✓	" 3 ✓	One ✓	" ✓	" ✓	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 6 ✓	
Extending to Upper Deck (Sec. 3 c)	1 ✓
Deck next below	5 ✓
As per Rule	5 ✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	NONE			
STEM				Roller bar 8 1/2 x 2 1/8 ✓
STERN FRAME	Propeller Post ✓			of welded construction as approved ✓
	Rudder " ✓			
Speed of Vessel				13 knots ✓
RUDDER—Type				Balanced ✓
" A x D				99 ✓
" Diam. of head				7 1/4 ✓
" Mainpiece at top pintle				9 1/2 ✓
" " heel				13 1/2 inside ✓
" how constructed				of welded construction as approved ✓
" double or single plate				Double plate 45 ✓
" coupling, vertical or horizontal				Horizontal 6 @ 2 1/8 bolts ✓

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks					
" " Second					
" " Third					
" " Holds	40 ✓	26 ✓	6 x 3 x 44 ✓	20 ✓	Welded steel to bulkhead ✓
" " " "			6 x 3 x 40 ✓	20 1/2 ✓	
" " " "			4 x 3 1/2 x 48 ✓	24 ✓	
COLLISION (in Hold)	42 ✓	30 ✓	6 x 3 x 38 ✓	24 ✓	- do - ✓
AFTER PEAK	42 ✓	30 ✓	6 x 3 x 30 ✓	24 ✓	- do - ✓

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Shrimper Iron Co. Ltd. Camp Steel Iron Co. Ltd. Appleby. Nottingham Steel Co. Ltd. Calverley Ltd. Consett Iron Co. Ltd. Dorman Long & Co. Ltd.*

Has the Steel been tested as required by the Rules? *Yes.*

Req. 1. 152

No. 1066

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EQUIPMENT N° 21798 ✓										LETTER Z ✓		ANCHORS. 3 Bowers. 1. Stream			
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.				
39070	1st Bower ...	42	2	0		✓		37	10	-	14	42 ✓	Stockless	Ryan & Co	Lundeland 20.9.39 W.V.N.
39071	2nd „ ...	42	1	14			✓	37	8	-	14	42 ✓	-do-	-do-	-do-
39036	3rd „ ...	35	3	6			✓	33	-	2	14	35½ ✓	-do-	-do-	-do-
	Collective weight.	120	2	20			✓					119½ ✓			9.9.39 W.V.N.
52649	Stream	11	0	19	2	3	5 ✓	13	-	-	-	11 ✓	Iron Stock ✓	-	Bradley Heath 13.9.39 L.E.P.

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.	Supplied	Per Rule.	Length.	Diam.					Length.	Ins.		Length.	Ins.
24012	24 2/3	1 1/8	63 1/4	88 1/2	427-0-5	425 1/4			24 1/2	1 1/4	Steel link	W.L. Ryan.	Lundeland 14.9.39 W.V.N.	TOWLINE	100	4	33.2	100	4
														HAWSERS & WARPS	2290	2 1/2	13.2	2290	2 1/2
															2290	2 1/4	10.8	2290	2 1/4
Iron Stream Steel Wire	75	4 1/4		36 1/4					75	4 1/4	Steel Wire								

Steering Gear, Type (Power or hand) Steam - Donking & Co. 7 1/2 x 7 Cyl. Alternative Means of Steering Blocks and Tackle

Steering Chains (Size and Test) None Windlass Steam - Type Metal Co. 9 x 11 Cyl. Boats 2 22 1/2 x 7.75 x 3.15 - 35 Persons each.

Ceiling in Holds, thickness and material under hatchways and over Cargo Battens, thickness, material and spacing 6' x 2" Wood - 9"

Cargo Hatchways. (Upper Deck) Steel beamings Thickness of Hatches 3" Wood throughout

Size of Hatchways No. 1 (Fwd.) 20' x 19' No. 2 35' 1/2 x 19' No. 3 14' 5 1/2 x 19' No. 4 35' 4 x 19' No. 5 15' 5 1/2 x 19' No. 6 4' 5 x 19'

Number of Shifting Beams No. 1. hatch - 4, No. 2 hatch - 6, No. 3 hatch - 2, No. 4 hatch - 6, No. 5 hatch - 2

Builder's Signature SMITH'S DOCK COMPANY, L.

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 approved plans and Secretary's letters of various dates, and in general conformity with the Rules and Regulations for the class contemplated.

The materials and workmanship are good.

The fore and after peak tanks and all double bottom tanks including dry tank have been tested under pressure and found tight.

The shelter db. 2nd db. W.T. bulkheads, tunnel and W.T. door have been tested with water from a hose and found tight.

Main and auxiliary steering and windlass have been tried under working conditions and found satisfactory.

The freeboards assigned have been cut in the vessel's sides and verified.

The amount of Entry Fee £ 5 : 0 : 0

Special Survey Fee.... £ 170 : 14 : 0

FREEBOARD £ 11 : 0 : 0

Travelling Expenses, if any £ :

Fees applied for,
4-6-1940

Received by me,
20 August 1940 R.S. 5/8

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

I am of opinion the Vessel should be Classed 100 A.1. with freeboard

State whether the Vessel has been built under Special Survey.

Signature

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Middleburgh

Date of issue 13/6/40

Committee's Minute

Character assigned

+100 A.1.
With freeboard
Lloyd's Arch.
OL, E.S.D.

+ Limb 5.40 Spt.

22, 6, 2020

Lloyd's Register
Foundation

W187-0066 (2/2)

Plans showing Vessel as built should be forwarded and a List of

Mold. Zpt. No. 16835

PARTICULARS OF ELECTRIC WELDING (if employed)

Electrode - FLEETWELD No. 7

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

Shelter dby 5 Blks to 2nd. Sh. 5 divisional W.T. Blks in shelter, two dks, "E.S. Dist. D.F. in
"inner stem" "R. Ash".

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ 11 ft., R.Q.D. ✓ 11 ft., Bridge ^{on shell dch.} 68.5 ft., Forecastle ^{on shell dch.} 25.8 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. 167486 Signal Letters Extreme Breadth over Belting ✓ Over-all Length 315'-0" ✓
No. and Material of Decks 1. Deck and shelter deck (Circ. 1611) of steel (Circ. 1703)

Parts of Bottom of Vessel coated with cement or approved composition. All double bottom tanks cement washed - dry tank bituminous solution. See correspondence of 'NORMAN PRINCE' re. bituminous solution.

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:— (*Comprising all tanks which may be used for Water Ballast. (Circ. 1284)*

(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,	70.7	109	Fore peak tank,	.	31
Double bottom, under Engines and Boilers,	42.0	72	After peak tank,	.	48
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	.	.
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	.	.
Double bottom, forward,	134.8	313	Other tanks, if fitted,	.	.
Total length (if continuous) and Capacity	247.5	494	(If necessary, furnish further information by sketch.)	.	.

Order for Special Survey No. 1526

Date 24-6-39

Dates of Surveys

1939 Feb. 3. 10. 12. 14. 18. 24. 28. 31. Aug. 1. 30. Sept. 4. 18. 19. 20. 22. 25. 26. 27. 29. Oct. 4. 9. 10. 11. 20. 26. 30. 31.
Nov. 3. 14. 15. 16. 22. 26. Dec. 1. 4. 6. 7. 19. 23. 1940 Jan. 3. 4. 10. 17. 19. 22. 25. Feb. 1. 8. 10. 21. 22. 27. 28. 29
Mar. 7. 16. Apr. 4. 12. 16. 19. 24. 26. 30. May. 6. 7. 8. 9. 14. 15. 18.

Total No. of Visits **79**