

DISCLOSED

SECTION

No.

NIN BRICK SESTO.
STEEL STEAMER or MOTORSHIP.

Received at London Office

CLASSED

SECTION

No.

861 A

Date of completion of report

October 1933

Port of

Leith

No.

18506

Survey held at

Burntisland

Date First Survey

26 January 1933

Last Survey

18 October

1933

On the

Francis Fladgate

FRANCIS FLADGATE

State Type

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

Collier

Full Scantling

State Type of Erections

R.D. & Focli

TONNAGE under

1662.81

CLASS 100A1

State if with freeboard

as condition of Class

Built at Burntisland

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 273.0

Launched 19/9/33

Yard No. 175

Total

1662.81

Breadth (greatest moulded)

B 40.75

Builders The Burntisland SBC & Co.

Gross Tonnage

2267.73

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

D 26.5

Owners London Power Co. Ltd.

Register Tonnage

1280.24

1st Longitudinal Number (L x D)

= 5733

Managers Stephenson Clarke & Co. Ltd.

2nd Numeral L x (B + D)

= 16857

Residence London

REGISTERED DIMENSIONS.

FEET.

Length

275.0

Breadth

41.0

Depth

18.85

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

To R.D. 23.33

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

13.0 UD

Port of Registry London

Do. Long Bridge to top of keel

10.3 QD

If surveyed while building, afloat, or in dry dock

Draught Moulded

19.178 while building.

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	27		Bracket Floors, Frame		
" " from $\frac{3}{4}$ length to Collision bulkhead	27 6 frame 109		" " Reversed Frame		
" " in peaks	24 1/2 frame 109		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	34 1/2 . 44	
Frame Amidships, Angle, [or]	NBS. 10 1/2 3 1/2 4 1/5	10 1/2 x 3 1/2 x 4 1/5	" " top Angles	3 3 4 1	
" " Extends up to	Quarter deck		" " bottom Angles	3 1/2 3 1/2 4 1/5	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	To tank top Continuous 5 1/2 x 3 x 31	
" " Extends up to			To shell Continuous 6 x 3 x 31		
Depth of Framing Girder	10 1/2 at QD		Margin Plate depth (excl. of flange) and thickness	30 . 41	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	10 at UD		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 3 3 39 at UD	
" " Second 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	5 5 3 39 at 2nd framing	
" " Third " " " "			" " Gussets, spacing and scantling abaft 1/2 len. from stem	37 at 1st	
Framing in Peaks, Angle, [or]	NBS. 6 1/2 3 30		" " Gussets, spacing and scantling forward 1/2 len. from stem	every 3rd frame	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 5 1/4 or over		Tank Side Brackets, height above base line at toe of Frame and thickness	4-9" x 41 at QD	
State if Frame Joggled	no		INNER BOTTOM PLATING.		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Through frames with panting beams on alternate frames		Breadth and thickness of Middle Line Strake	44 1/2 . 5	
STRENGTHENING OF BOTTOM FOR WARD. State Particulars	Bottom frames are double four side girders each side. Riveting of frames to shell 5 1/2 x 31		Thickness of remainder in Holds	. 5	
SINGLE BOTTOM.			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	
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	Half beams	
Height of Brackets at side above base line at toe of frame			" " in Way of Bridge	5 x 3 1/2 x 30	
Middle Line Keelson, on Floors, Angles, [or]			" " Spacing	5 3 26	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, [or]		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or]		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, [or]		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or]		
Solid Floors, thickness and spacing	. 33 on every frame (43 in BS)		Spacing		
" " Are Frame and Reversed Frame joggled?	no		Bridge Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Forecastle Deck, Angle, [or]		
			Spacing		

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.....						Stringer Plate, breadth and thickness in way of Bridge					
" in 'tween Decks, Size and Spacing.....						Thickness of Plating abreast Deck openings in way of Wells					
" " " " " "						Thickness of Plating abreast Deck openings in way of Bridge					
" in Holds " " " "						Thickness of Plating within line of openings...					
" " " " " "						If Sheathed, material and thickness					
Centre Line Bulkhead.						Third Deck.					
Stiffeners and Spacing.....						Stringer Plate, breadth and thickness.....					
Plating, thickness of						If Plated, state thickness.....					
STRINGERS AND DECKS.						Fourth Deck.					
Uppermost Continuous Deck.						Stringer Plate, breadth and thickness.....					
Stringer Plate, breadth and thickness in Wells.....		72.62				If Plated, state thickness					
" " " " in way of Bridge.....		768 x 78				Poop Deck.					
" Angle in Wells.....		5 5.54				Stringer Plate, breadth and thickness					
		6 6.65				Plating, Sheathing, material and thickness ...					
Thickness of Plating abreast Deck openings in way of Wells						Bridge Deck.					
Thickness of Plating abreast Deck openings in way of Bridge						Stringer Plate, breadth and thickness.....					
Thickness of Plating within line of openings.....						Plating, Sheathing, material and thickness ...					
If Sheathed, material and thickness.....						Forecastle Deck.					
						Stringer Plate, breadth and thickness.....					
Second Deck.						Plating, Sheathing, material and thickness ..		30 Sheathed 2 1/2" O.Pine			
Stringer Plate, breadth and thickness in Wells...											

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.		Diam.	Spacing or to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	4 1/2	.58	.54	.54		Double	3/4	3	Triple	1/8	3/8	Lapped
" DELG. (if any)												
BOTTOM PLATING, No. of Strakes	3	7 1/4	.49	.46	.43		"	"	"	3/4	2 5/8	"
BILGE PLATING, No. of Strakes	1	7 3/4	.49	.46	.44		"	"	"	"	"	"
SIDE PLATING, No. of Strakes	3	7 1/4	.49	.40	.40		"	"	"	"	"	"
UPPER DECK, Sheer-strake in Wells.....	66	.54	.40	.40			"	"	"	"	"	"
UPPER DECK, Sheer-strake in Bridge.....	66 1/2	.65	.40	-			"	"	"	"	"	"
STRAKE BELOW SHEER-strake in Wells.....	70 1/4	.49	-	-			"	"	"	"	"	"
STRAKE BELOW SHEER-strake in Bridge.....												
POOP SIDE PLATING												
BRIDGE SIDE PLATING												
FORECASTLE SIDE PLATING34			Single	3/4	3	Single	3/4	2 5/8	Lapped

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		STIFFENERS.	
		VERTICAL.	HORIZONTAL.
		Scantlings.	Spacing.
Extending to Upper Deck (Sec. 3 c)	5		
" Deck next below	4		
As per Rule	4		
MIDSHIP BULKHEAD, Upper tween decks			
" " Second			
" " Third			
" " Holds			
COLLISION " (in Hold)	42-36	6x3x34	24
AFTER PEAK "	39-75	30	24

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM				
STERN FRAME { Propeller Post				
{ Rudder				
RUDDER—A x D				
Speed of Vessel				
RUDDER mainpiece at head				
" " heel				
" how constructed				
" double or single plate				
" coupling, vertical or horizontal				

STEEL.	
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Norman Long & Co. - Cobble & Co. - The Steel Company of Scotland
Has the Steel been tested as required by the Rules?	yes

No. for of may follow Rules For sh 50 per For eng I expense I which V underst in any Society. No. 1

To the

EQUIPMENT No 18205										LETTER 2	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.				
34369	1st Bower ...	36	0	0	/	✓		33	2	2	0	35½	Byers Improved	✓	American 13/6/33 JHB	
34403	2nd „ ...	35	3	21	/	✓		33	2	2	0	35½	“	“	11/7/33 “	
34348	3rd „ ...	30	2	14	/	✓		29	1	3	14	30	“	“	24/5/33 “	
	Collective weight.	102	2	7								101				
47053	Stream	9	1	0	/	2	2	6	11	6	3	14	9¼	Ordinary, forged.	✓	Bradley Heath 30/1/33 L.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.	Stress.	Break- ing.	Supplied.	Per Rule.			Length. Diam.						Length. Cir.	Ins.	Tons.	Length. Cir.	Ins.	
	Fathoms. Ins.	Faths.	Tons.	Cwts. qrs. lbs.	Cwts.			Fathoms. Ins.						Fathoms. Ins.			Fathoms. Ins.		
47265	240 1 3/4	55 1/2	77 1/8	371	1	0	370 1/2	240 1 3/4	1 3/4	Thad	—	Bradley Heath 30/1/33 L.P.	TOWLINE	90	3 1/2	25.7	90	3 1/2	
													HAWSERS & WARPS	2@ 90	2 1/4	10.8	2@ 90	2 1/4	
														2@ 90	1 3/4	6.4	2@ 90	1 3/4	
Iron Stream Chain or Steel Wire	75 4	33.2						75 4											

Steering Gear, Steam *Donkin & Co. motor control* Steering Gear, Hand *Quarter blocks & tackle*
Boats *2-20' lifeboats* Steering Chains, Size and Test *7/8" 9'8" L.P.* Windlass *Clairne Chapman.*
Ceiling in Holds, thickness and material *at bilges only.* Cargo Battens, thickness, material and spacing *none*
Cargo Hatchways.—(Upper Deck) *A steel plates & angles.* Thickness of Hatches *3"*
Size of No. 1 Hatchway (Forward) *36' x 27'* No. 2 *36' x 27'* No. 3 *36' x 27'* No. 4 *36' x 27'* No. 5 *—* No. 6 *—*
Number of Shifting Beams and Fore and Afters *Nº 1 fine, Nº 2 fine, Nº 3 fine, Nº 4 fine*
FOR THE BURNTISLAND SHIPBUILDING COMPANY LTD.
Builder's Signature *Aug 29* MANAGING DIRECTOR

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel — (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo — The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.
This Vessel has been built in accordance with the approved plans and in general conformity with the Rules. The material and workmanship are good. The weather decks, the double bottom tanks, the deep tanks, the fore & after lean tanks, and the bulkheads have been tested in accordance with the Rule requirements, and the result of all tests were satisfactory. The windlass and the steering gear, & hand pump have been seen in good working order. The steel plating to the stern frame is of Rule thickness.
The following plans are forwarded herewith:—
Midship section, Profile & Decks, Stern & Rudder frames, Rudder quadrant, smart plan, Pumping plan.
Also three reports on forgings.

The amount of Entry Fee £ *6 : 0 : 0* Fees applied for, *21-10-1933*
Special Survey Fee.... £ *188 8 : 0* Received by me, *29-11-1933*
Frueboord Travelling Expenses, if any £ *5 : 10 : 0*
State whether the Vessel has been built under Special Survey *yes* I am of opinion the Vessel should be Classed *T.100A1.*
Signature *Ernest Edwards* Surveyor to Lloyd's Register of Shipping.
Certificate to be sent to *L.R.* Date of issue *30/11/33*

Committee's Minute *TUE. 31 OCT 1933* *TUE. 26 JUN 1934*
Character assigned *+ 100A1 Subject*
Large battens not fitted
Lloyd's A.O.C.P.
inchy. aft.
White fls
21.10.33
+ Lmb. 10.33
C.L., Elec. Lt
J.M.
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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.)

SI

Se

FLAT F

BOTTOM of St

BILGE I Strak

SIDE P Strak

UPPER strake

UPPER strake

COMBINE STRAKE

STRAKE strake

POOP SIDE

BRIDGE S

FOREC'TLE

Total No.

MIDSHIP

"

"

"

COLLISION

AFTER PE

STEEL.

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

1st Bower	22-1-4	RL	3481	27-4-33
2nd "	22-1-8	T.M.E.I.	4508	17-5-33
3rd "	17-0-7	RL	3458	13-4-33

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 67.86 ft., Bridge ☒ ft., Forecastle 27.13 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (This information is to be given as it should appear in the Register Book) 10th Stt.

Official No. 163396 Signal Letters - Is bottom of Vessel coated with cement yes if not give particulars of composition ☒

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Where Fitted.	*Length.		Water Capacity.
	Feet.	Tons.		Feet.	Tons.	
Double bottom, aft,	38.25	81	Fore peak tank,	21	160	
Double bottom, under Engines and Boilers,			After peak tank,	12.5	30	
Double bottom, if under Engines only,	192.5	528	Deep tank, aft, <u>amidships fwd of ER</u>	13.5	267	
Double bottom, if under Boilers only,			Deep tank, forward,			
Double bottom, forward,			Other tanks, if fitted,			
			(If necessary, furnish further information by sketch.)			
			* The wells are not to be included in the lengths of the tanks.			

Order for Special Survey No. 1212
Date 14/10/32
Dates of Surveys held while building 1933.
Jan 26, 31, Feb 3, 7, 14, 21, 24, Mar 3, 9, 14, 17,
April 7, 11, 14, 20, 25, May 2, 5, 9, 12, 16, 19, 23,
26, 30, June 1, 6, 9, 13, 16, 20, 23, 27, 30, July 4, 7, 27,
Aug 1, 4, 10, 15, 22, 24, Sept 19, 29, Oct 3, 9, 13, 18.
Total No. of Visits 49