

STEEL STEAMER or MOTORSHIP.

Received at London Office...

30 AUG 1934

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 *27th August 1934* Port of *South* No. *18682*
Survey held at *Burntisland* Date First Survey *2nd February 1934* Last Survey *23rd August 1934*
On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Steamer "PETWORTH."*State Type (Full scantling, Complete Superstructure with or without Tonnage Openings) *Collier.* State Type of Erections *RQD + BRIDGE.*TONNAGE under Tonnage Deck *701.70* CLASS *+100A1.* State if with freeboard as condition of Class *no* 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 204.0* Launched *27 July 1934* Yard No. *179*Total *701.70* Breadth (greatest moulded) *B 32.83* Builders *The Burntisland Dock Co. Ltd.*
Gross Tonnage *971.85* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *RQD 18.96* Owners *Robertson Clarke and associated Co. Ltd.*
Register Tonnage *518.39* 1st Longitudinal Number (L x D) *= 3077* Managers *-*

REGISTERED DIMENSIONS.

Length *205.0*
Breadth *33.0*
Depth *13.1*2nd Numeral L x (B + D) *= 9775*
Framing Depth "d," at middle of length. See Sec. 3 (1d) *RQD 16.22*
Proportions—Depth to Length—Uppermost continuous deck to top of keel *(T.O. Upper Dk 12.35)*
Do. Long Bridge to top of keel *-*
Draught Moulded *14.45* *While building*Residence *London*
Port of Registry *London*

If surveyed while building, afloat, or 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	<i>27</i>		Bracket Floors, Frame		
" " from $\frac{3}{4}$ length to Collision bulkhead	<i>24</i>		" " Reversed Frame		
" " in peaks	<i>22 1/2</i>		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>30 1/8 40</i>	
Frame Amidships, Angle, E or F	<i>7 3 32</i>		" " top Angles <i>single</i>	<i>3 3 36</i>	
" " Extends up to	<i>RQD</i>		" " bottom Angles <i>single</i>	<i>3 3 40</i>	
Reversed Frame Amidships, Angle	<i>/</i>		Side Girders, No. each side and thickness <i>one</i>	<i>Total Tank Top 5 x 3 x 28 L</i>	
" " Extends up to	<i>/</i>		Margin Plate depth (excl. of flange) and thickness <i>amidships</i>	<i>25 1/2 36</i>	
Depth of Framing Girder	<i>7</i>		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	<i>3 3 36</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	<i>/</i>		" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	<i>5 5 36</i>	
" " Second 'tween Decks, Angle, E or F	<i>/</i>		" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	<i>/</i>	
" " Third " " " "	<i>/</i>		" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	<i>/</i>	
Framing in Peaks, Angle, E or F	<i>5 3 26</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>42 36</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/4" 4" apart 6" at sides</i>		DOUBLE BOTTOM PLATING.		
State if Frame Joggled	<i>yes</i>		Breadth and thickness of Middle Line Strake	<i>42 1/2 50</i>	<i>(approved 34 16 31)</i>
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>will increase 6.04 frames 8 x 3 x 35 L 2 1/2" apart with top stringer face angles.</i>		Thickness of remainder in Holds	<i>50</i>	<i>(approved 32 16 31)</i>
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>In Fore Peak too. Keel angles with plating beam at alternate frames. Two fore aft girders frames to shell 2 x 4 x 3 double riveted shell plating 4 1/2 and 4 1/2</i>		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?	<i>yes</i>	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<i>In way of boiler only</i>		Uppermost Continuous Deck, amidships	<i>5 3 26</i>	<i>as per plan</i>
Height of Brackets at side above base line at toe of frame	<i>/</i>		" " in way of Bridge, Angle, E or F	<i>5 3 26</i>	
Middle Line Keelson, on Floors, Angles, E or F	<i>/</i>		Spacing	<i>every frame</i>	
" " Through Plate or Intercoastal Plate	<i>/</i>		Second Deck, amidships, Angle, E or F	<i>/</i>	
" " Foundation Plate on Floors	<i>/</i>		Spacing	<i>/</i>	
" " Flat Plate Keel Angles	<i>/</i>		Third Deck, amidships, Angle, E or F	<i>/</i>	
Side Keelsons, No. each side	<i>/</i>		Spacing	<i>/</i>	
" " thickness of Intercoastal Plate	<i>/</i>		Fourth Deck, amidships, Angle, E or F	<i>/</i>	
" " Angles	<i>/</i>		Spacing	<i>/</i>	
DOUBLE BOTTOM.			Poop Deck, Angle, E or F	<i>/</i>	
Solid Floors, thickness and spacing	<i>30 every frame</i>		Spacing	<i>/</i>	
" " Are Frame and Reversed Frame joggled?	<i>yes</i>		Bridge Deck, Angle, E or F	<i>5 1/2 3 26</i>	
Bracket Floors, breadth and thickness at middle line	<i>happens on floor plates 2 1/2 x 2 1/2 x 25</i>		Spacing	<i>alternate frames</i>	
" " breadth and thickness at margin plate	<i>/</i>		Forecastle Deck, Angle, E or F	<i>5 1/2 3 30</i>	<i>as per plan</i>
			Spacing	<i>22 1/2</i>	

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.....		/		/
" " " " " in 'tween Decks, Size and Spacing.....		/		/
" " " " " " " "		/		/
" " " " " In Holds " " "		/		/
" " " " " " " "		/		/
Centre Line Bulkhead		/		/
Stiffeners and Spacing.....		/		/
Plating, thickness of		/		/
STRINGERS AND DECKS.		/		/
Uppermost Continuous Deck,		/		/
Stringer Plate, breadth and thickness in Wells	RQD 63 34 66 63 68 51	/		/
" " " " " in way of Bridge	66 60 63	/		/
" " " " " Angle in Wells	RQD 3 1/2 3 1/2 34 Upper D 5 5 51	/		/
Thickness of Plating abreast Deck openings in way of Wells	Stringer plate only.	/		/
Thickness of Plating abreast Deck openings in way of Bridge	✓	/		/
Thickness of Plating within line of openings..	.30 ✓	/		/
If Sheathed, material and thickness	Sheathed in way of Bridge bulk 2 1/2 Oregon Pine ✓	/		/
Second Deck.		/		/
Stringer Plate, breadth and thickness in Wells...	✓	/		/
Stringer Plate, breadth and thickness in way of Wells		/		/
Thickness of Plating abreast Deck openings in way of Wells		/		/
Thickness of Plating abreast Deck openings in way of Bridge		/		/
Thickness of Plating within line of openings..		/		/
If Sheathed, material and thickness		/		/
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 ...	28 2 1/2 Oregon Pine.	/		/
Forecastle Deck.		/		/
Stringer Plate, breadth and thickness.....	30	/		/
Plating, Sheathing, material and thickness ...	30 Sheathed in way of foremast only.	/		/

SHELL PLATING.		5. <i>mainly in clay diploids only.</i>
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SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>no</i> State if jogged?		BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.		
	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	40	49	45	45		Double	3/4	3	(alternate butts electrically welded) Tubed	3/4	278	Lapped	
" DELG. (if any)	-												
BOTTOM PLATING, No. of Strakes.....	A65 B65	.43	.45	.39		Double	3/4	3	Tubed Double	3/4	278	Lapped	
BILGE PLATING, No. of Strakes.....	C62 D64	.43	.39	.39		"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes.....	E70 F60	.43	.35	.35		"	"	"	"	"	"	"	
ROUNDER DECK, Sheer-strake in Wells.....	G46	.43		.35		"	"	"	Double Tubed & Double	"	"	"	
ROUNDER DECK, Sheer-strake in Bridge36				"	"	"	Tubed & Double	"	"	"	
Combined STRAKE BELOW Sheer-strake in Wells.....	61	.52	.35			Double	"	"	Tubed & Double	3/4	278	Lapped	
STRAKE BELOW Sheer-strake in Bridge ...													
POOP SIDE PLATING													
BRIDGE SIDE PLATING28				Single	3/4	3					
FORECASTLE SIDE PLATING			.28			"	"	"	Single	3/4	278	Lapped	

WATERTIGHT BULKHEADS.	FORGINGS and CASTINGS.
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Total No. of W.T. BULKHEADS in Vessel—		FORGINGS and CASTINGS.			
		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c)	35 /				
„ Deck next below					
As per Rule	3 /				
KEEL, Bar					
STEM		Round steel	6 1/2 x 1 1/2		T.S. Foster

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks					
Deck Tank O.H.O. Frames N ^o 54 & 58		33 1/2 x 30	8 x 3 x 36	25 1/2"	38 at frame 54
" Second		27 1/2 x 30	5 x 3 x 26	32	39 at frame 58
" Frame N ^o 26		27 1/2 x 30	5 x 3 x 26	32	42 coaming
" Third					with horizontal struts 16 girths bulkhead.
" Holds					
COLLISION N ^o 86 (in Hold)		31 1/2 x 30	6 x 3 x 30	24	Two similar beams
AFTER PEAK N ^o 5		65 1/2 x 30	4 x 3 x 24	24	as per plan

STERN FRAME

Propeller Post forged

Rudder " " "

RUDDER—A x D 117

Speed of Vessel 10 Knots

RUDDER mainpiece at head as per plan by T.B. Foster

" " heel "

" how constructed Iron forging, four arms by T.B. Foster

" double or single plate double

" 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) *Dorman Long & Co. Ltd. of Scotland Ltd. Pear & Partners Ltd. The Steel Company*

Has the Steel been tested as required by the Rules? *The Lanarkshire Steel Co. Ltd. Andrew Brown & Co. Ltd. (1912)*

yes

EQUIPMENT No. 10595										LETTER B		ANCHORS.			
Number of Certificate.	Ancors.	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.			
34804	1st Bower ...	21	1	14	/	/	/	21	18	0	14	21 1/4	Improved	Sunderland	6/6/34 JHB
34805	2nd „ ...	21	1	0	/	/	/	31	16	1	0	21 1/4	„	„	22/3/34 „
34805	3rd „ ...	18	1	7	/	/	/	19	6	2	7	18	„	„	6/6/34 „
	Collective weight.	60	3	34								60 1/2			
47846	Stream	5	2	16	1	1	26	7	18	1	21		Ordinary	Cradley Heath	7/6/34 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.	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.
49836	210	1 3/8	34	51	203.1.21	203	210	1 3/8	Steel	- Cradley Heath	5/6/34 L.P.	TOWLINE...	90	3	186	99	3
												HAWSERS & WARPS	90	2 1/4	10.8	90	2 1/4
												"	90	1 3/4	6.4	90	1 3/4
Iron Stream Chain or Steel Wire	60	3 1/4 sm		21.7			60	3 1/4				"					

Steering Gear, Steam *4 Dornier & 1% telemotor control* Steering Gear, Hand *Quarter blocks & tackle*
 Boats *2 life boats* Steering Chains, Size and Test *3/16 dia. 7.9* Windlass *John Lyon & Co*
 Ceiling in Holds, thickness and material *(at hip only)* Cargo Battens, thickness, material and spacing *none*
 Cargo Hatchways.-(Upper Deck) *of steel plate & angles* Thickness of Hatches *3"*
 Size of No. 1 Hatchway (Forward) *46' x 21' 4"* No. 2 *48' x 21' 4"* No. 3 *-* No. 4 *-* No. 5 *-* No. 6 *-*
 Number of Shifting Beams and/or Fore and Afters *N°1 main, N°2 main.*

FOR THE BURNTISLAND SHIPBUILDING COMPANY LTD.
 Builder's Signature *A. L. ...* 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 plan, and in general conformity with the Rules. The material & workmanship are good. The weather decks, the double bottom tanks, the deep tank, the fore & after beam tanks, and the bulkheads have been tested in accordance with the Rule Requirements with satisfactory results.

The windlass & steering gear have been run in good working order - The shell plating & stem frame is of Rule thickness. The following plans are forwarded herewith: - Midship section, Profile & Deck - Arrangement to Deep Tank - Stern & Quarter Frames - Quarter quadrants & Alternate Arrangement of Fore castles deck - Hull & Centre girder Bulkhead - Part Hull & Centre girder plan -

The amount of Entry Fee £ *4 : 0 : 0* Fees applied for, *29-8-1934*
 Special Survey Fee £ *97 : 4 : 0* Received by me, *1.10.34*
 Travelling Expenses, if any £ *2 : 18 : 6*
Freight 8 0 0
 State whether the Vessel has been built under Special Survey ☒

I am of opinion the Vessel should be Classed *+100A!*
 Signature *Ernest Edwards*
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Leith* Date of issue *2/10/34*
 Committee's Minute *FR. 7 SEP 1934*
 Character assigned *+100A!*

Large battens not fitted
7/9/34
Michy aft
CL
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0300 7/2

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.)

Pumping Plan. Also three reports on forgings.

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

1st Bower	12-2-20	RL	3789	2/5/34
2nd ..	12-1-17	RL	3536	2/8/33
3rd ..	11-0-18	HR	3813	2/6/34

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 118.98 ft., Bridge 11.25 ft., Forecastle 20.5 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)

12 ft

Official No. 163512 : Signal Letters
particulars of composition ☒

Is bottom of Vessel coated with cement ☒ if not give

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	15.42	80
Double bottom, under Engines and Boilers,			After peak tank,	9.375	19
Double bottom, if under Engines only,	17.5	18	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, Amidship	11.25	125
Double bottom, forward, of machinery space	141	261	Other tanks, if fitted,		
			(If necessary, furnish further information by sketch.)		
					224

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 1226

Date 24/2/34

Dates of Surveys held while building

1934. February 2. 20. 23—March 7. 9. 15. 27.
April 3. 17. 20. 24. 26. May 1. 4. 8. 11. 15. 18. 22. 25. 29.
June 1. 5. 8. 12. 15. 19. 21. 26. 29
July 3. 6. 12. 24. 27. 31.
August 7. 10. 14. 17. 23

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Total No. of Visits 41