

Rpt. 1.

## STEEL STEAMER or MOTORSHIP.

Received at London Office 21 JUL 1927

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

19/1/27

Port of

Newcastle-on-Tyne

No. 81573

Survey held at

Jarrow-on-Tyne

Date First Survey

17<sup>th</sup> Dec. 1926

Last Survey

13<sup>th</sup> July 1927

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

Single Sc. Steamer "BEACONSTREET"

State Type

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

Full Scantling oil Carrier

State Type of Erections

Pop. Bridge + Filler

TONNAGE (under Tonnage Deck...)

6923.10

CLASS +100A1

Carrying Petroleum in bulk

State if with freeboard as condition of Class without

Built at

Jarrow-on-Tyne

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

Total

7431.93

Gross Tonnage

4513.81

Register Tonnage

REGISTERED DIMENSIONS. FEET.

Length

450.30

Breadth

59.70

Depth

34.05

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

L 450.0

Breadth (greatest moulded)

B 59.5

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

D 34.25

1st Longitudinal Number (L x D)

= 14962.5

2nd Numeral L x (B + D)

= 417375

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

Long. framing

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

13.13

Do. Long Bridge to top of keel

Draught Moulded

Launched

31<sup>st</sup> May 1927

Yard No. 966

Builders

Palmers S.B. &amp; C. Co. Ltd.

Owners

Beacon Transport Co. of Canada Ltd.

Managers

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

Residence

Port of Registry

LONDON

If surveyed while building, afloat, or in dry dock

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.
Spacing amidships	See separate sheet for long framing		Bracket Floors, Frame	✓	
from 1/2 length to Collision bulkhead			Reversed Frame	✓	
in peaks	24"		Vertical Struts	✓	
AMIDSHIPS.			Centre Girder, depth and thickness amidships	BR 65" x 58	
Amidships, Angle, [ or ]			ER 77 1/2" x 46		
Extends up to			top Angles 2	BR 3 1/2" x 3 1/2" x 50	
ER 3 1/2" x 3 1/2" x 50			bottom Angles 2	BR 4" x 4" x 56	
ER 4" x 4" x 52			Side Girders, No. each side and thickness	42	one full depth one half depth
Frame Amidships, Angle			Margin Plate depth (excl. of flange) and thickness	36 x 60	BR Room
Extends up to			Vertical Angle to Tank side		
of Framing Girder			Bracket abaft 1/2 len. from stem		
in Uppermost Continuous 'tween Decks, Angle, [ or ]			Vertical Angle to Tank side		
Second 'tween Decks, Angle, [ or ]			Bracket forward 1/2 len. from stem		
Third			Gussets, spacing and scantling abaft 1/2 len. from stem		
in Peaks, Angle, [ or ]	8 3 1/2" x 42		Gussets, spacing and scantling forward 1/2 len. from stem		
ter and Spacing of Rivets through Frame and Shell Plating amidships	see other sheet		Tank Side Brackets, height above base line at toe of Frame and thickness	4 transverses as plan.	
Frame Joggled	bottom framing at ends, side framing in aft peak	joggled	INNER BOTTOM PLATING.		
G ARRANGEMENTS (Sec. 7), state system and particulars	extra flat transverse as plan.		Breadth and thickness of Middle Line Strake	58 BR, 100 ER	
THENING OF BOTTOM FOR- RD. State Particulars	3 strakes midship thickness double riveted frames on bottom, keelsons as in plan.		Thickness of remainder in Holds	BR 58, ER 100 to 52.	
BOTTOM. in deep tank for			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	
Depth and thickness at mid-line in Holds	37 1/2" x 42		BEAMS.		
Height of Brackets at side above base line at toe of frame	as per plan		Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]		
Line Keelson, on Floors, Angles, [ or ]	C.L. Bkd		" in way of Bridge, Angle, [ or ]		
Through Plate or Intercoastal Plate			Spacing		
Foundation Plate on Floors			Second Deck, amidships, Angle, [ or ]		
Flat Plate Keel Angles			Spacing		
Keelsons, No. each side	2		Third Deck, amidships, Angle, [ or ]		
thickness of Intercoastal Plate	42		Spacing		
Angles	one BA 8 1/2" x 3 1/2" x 38		Fourth Deck, amidships, Angle, [ or ]		
Bottom.			Spacing		
Floors, thickness and spacing	ER 3 1/2" space, 42 thick		Poop Deck, Angle, [ or ]		
Are Frame and Reversed Frame joggled?	yes		Spacing		
et Floors, breadth and thickness at middle line	✓		Bridge Deck, Angle, [ or ]		
breadth and thickness at margin plate	✓		Spacing		
	✓		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.
<b>PILLARS, No. of Rows.....</b>			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 .....		
"    "    "    "    " <i>Built pillars at ends as appd</i>			✓ Thickness of Plating abreast Deck openings in way of Bridge .....	✓ 46"	
"    in Holds    "    "			Thickness of Plating within line of openings...		
"    "    "    "    "			If Sheathed, material and thickness .....	110	
<b>Centre Line Bulkhead.</b>			<b>Third Deck. - deep tank top for</b>		
Stiffeners and Spacing.....	<i>12 x 3 1/2 x 45 BA 6 } 2'9" 6 2'6"</i> <i>8 x 3 x 40 BA</i>		Stringer Plate, breadth and thickness.....	42"	
Plating, thickness of .....	51 to 44		✓ If Plated, state thickness.....		
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	80 3/4 x .65		If Plated, state thickness .....		
"    "    "    "    in way of Bridge	.76		<b>Poop Deck.</b>		
"    Angle in Wells .....	6 6 .68		Stringer Plate, breadth and thickness .....	37 .36	
Thickness of Plating abreast Deck openings } in way of Wells .....	.59		✓ Plating, Sheathing, material and thickness ...	.32	
Thickness of Plating abreast Deck openings } in way of Bridge .....	.59		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	.59		Stringer Plate, breadth and thickness.....	41 .42	
If Sheathed, material and thickness .....	110		✓ Plating, Sheathing, material and thickness ...	.28" sheathed 2 1/2 O.P + compo	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	84 46		Stringer Plate, breadth and thickness.....	35 .36	
			✓ Plating, Sheathing, material and thickness ...	.36	

## SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL .....	53	.97	.77	.77	✓	double	1"	4	5	1 1/8	5 1/2	lapped	
"    DBLG. (if any)						"							
BOTTOM PLATING, No. of Strakes ..... 4 .....		.68	32.68 12.56	.50	✓	"	7/8	3 1/2	4	7/8	3 1/2	"	
BILGE PLATING, No. of Strakes ..... 1 .....		.68	.50	.50	✓	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes ..... 3 .....		.63	.47	.47	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Wells .....	71	.86	.47	.47	✓	"	"	"	5	1"	4 1/2	"	
UPPER DECK, Sheer-strake in Bridge ...		1.00			✓	"	"	"	"	1 1/8	3 7/8	"	
STRAKE BELOW Sheer-strake in Wells .....		.77	.47	.47	✓	"	1"	4"	4	1"	4	"	
STRAKE BELOW Sheer-strake in Bridge ...		.77			✓	"	1 1/8	4 1/2	"	1"	4	"	
POOP SIDE PLATING .....		.40			✓	single	7/8	3 1/2	2	3/4	2 7/8	"	
BRIDGE SIDE PLATING ...		.42			✓	"			2	3/4	2 5/8	"	
FORECASTLE SIDE PLATING		.42			✓	"	3/4	3	1	3/4	2 7/8	"	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		17
Extending to Upper Deck (Sec. 3 c)		11
Deck next below		6
As per Rule		appd as above

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks		36			BA 8x3x35 2x3x38	36
"	" Second "					
"	" Third "					
"	" Holds	51-37			Channel 15x4x4x62 to BA 10x3x40 2-6"x2	36
COLLISION (in Hold)		52-33			BA 8x3x49 2x3x37	2'9"
AFTER PEAK		52-30			12x3x45 8x3x35 2'11"	Kat.

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction	Dorman Long, Consett, Bolckow Vaughan,
	Has the Steel been tested as required by the Rules?	Yes

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....	<i>Plate Keel</i>			
<b>STEM</b> .....	<i>Roll'd</i>	<i>10 x 2 3/4</i>	<i>Lanarkshire S.S. Co</i>	
<b>STERN FRAME</b> {	Propeller Post .....	<i>Cast</i>	<i>10 1/2 x 9</i>	<i>W. R. Mitchell M, 5 x 1 corporate</i>
	Rudder " .....	"	<i>9 x 9</i>	
<b>RUDDER—A x D</b> .....	<i>Forging</i>	<i>589.3</i>		
<b>Speed of Vessel</b> .....	<i>11 knots</i>			
<b>RUDDER</b> mainpiece at head ...		<i>12"</i>	<i>"</i>	<i>"</i>
" " heel ...		<i>9"</i>	<i>"</i>	<i>"</i>
" how constructed .....	<i>arms strunk Keyed</i>			
" double or single plate	<i>Single</i>			
" coupling, vertical or	<i>1.12</i>			
" horizontal .....	<i>Horizontal</i>			

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

STEEL.

Dorman Long, Consett, Bolckow Vaughan, South Durham, Placers & Partners  
Open-hearth process.

Has the Steel been tested as required by the Rules?

yes

Lloyd's Register  
Foundation



see letter 27/11/26

Ryt. 1%.

SS. "BEACON STREET" NWL REPORT NO. 81573  
PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.			
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Diam. Speng.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads. Number. Diameter. Inches.	
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.				
Framing of $\Lambda$ , $L$ or $\Sigma$ .....																	
Frames in Bridge 'tween Decks...																	
Frames from Uppermost Continuous Deck																	
Framing from Awning, Shelter or Upper Deck to Margin Plate.	No. 1	6	3	38													
	" 2	8	3 1/2	43	7	3 1/2	36	F						3/8	5 1/2		
	" 3	8	3 1/2	43	7	3 1/2	36	F						"	"		
	" 4	10	3 1/2	40	5	3 1/2	40	F						"	"		
	" 5	10	3 1/2	48	8	3 1/2	42	F						"	"		
	" 6	11	3 1/2	43	9	3 1/2	40	F						"	"		
	" 7	12	3 1/2	45	9	3 1/2	38	F						"	"		
	" 8	12	3 1/2	45	10	3 1/2	44	F						"	"		
	" 9	12	3 1/2	46	10	3 1/2	38	F						"	"		
	" 10	12	3 1/2	51	10	3 1/2	52	F						"	"		
	" 11	12	3 1/2	57	10	3 1/2	47	F						"	"		
	" 12	17	4 1/2	48	11	3 1/2	43	F						"	"		
	" 13				11	3 1/2	47	A	BA					"	"		
	" 14	17	5 1/2	44	17	4 1/2	48	A	channel					"	"		
	" 15				10	3 1/2	54	A	BA					"	"		
	" 16				10	3 1/2	54	A	BA.					"	"		
Spacing of Longitudinal Frames																	
Amidships																	
At Ends																	
Double Bottoms $L$ , $L$ or $\Sigma$	Tank Top Longitudinals	10	3 1/2	50													
	Bottom	10	3 1/2	54													
Spacing of Longitudinals																	
Amidships																	
At Ends																	
Transverses.																	
In Bridge 'tween Decks	Depth and Thickness	27	38														
	Face Angles	3"	flange														
	Lugs to Shell*	3	3	40										3/4	3 3/8		
In Awning, Shelter or Upper 'tween Decks.	Depth and Thickness	30	40														
	Face Angle	3 1/2	3 1/2	40													
	Lugs to Shell*	3 1/2	3 1/2	40										3/4	3 3/8		
In Hold.	Depth and Thickness	54	46														
	Face Angles	5	3 1/2	40													
	Lugs to Shell*	6	6	46										7/8	3 1/2	2 rows	
Brackets																	
Spacing of Transverse Frames																	
* State if joggled or liners.																	
Longitudinal Beams of $\Lambda$ , $L$ or $\Sigma$	Bridge Deck BA	6	3	30													
	Awg. or Shltr. Dk.																
	Upper BA	5	3 1/2	40													
	Second BA	9	3 1/2	38													
Third BA																	
Spacing.																	
In Ships.																	
As approved.																	
Transverse																	
Beams																	

as shown in ship

Ch. Brown

2'-11" 3'-0"

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

See 2, 70.—T.

We request that the Single Screw Steel

Steam Vessel Building

W1647-0030 (213)

should be Classed

Lloyd's Register Foundation



EQUIPMENT NO. <u>43107</u>												LETTER <u>64</u>		ANCHORS.	
Number of Certificate.	Anchors.	WEIGHT, E. 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.			
<u>30017</u>	1st Bower ...	<u>72</u>	<u>2</u>	<u>0</u>				<u>35</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>72½</u>	✓	<u>Byers Improved</u>	<u>Sld 16/5/27 Bullen</u>
<u>30055</u>	2nd „ ...	<u>72</u>	<u>2</u>	<u>0</u>				<u>55</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>72½</u>	✓	<u>„ „</u>	<u>„ 30/5/27 „</u>
<u>30056</u>	3rd „ ...	<u>62</u>	<u>0</u>	<u>0</u>				<u>49</u>	<u>10</u>	<u>0</u>	<u>0</u>	<u>62</u>	✓	<u>„ „</u>	<u>„ „ „</u>
	Collective weight.	<u>207</u>	<u>6</u>	<u>0</u>								<u>207</u>	✓		
<u>30026</u>	Stream .....	<u>20</u>	<u>2</u>	<u>7</u>	<u>5</u>	<u>1</u>	<u>14</u>	<u>21</u>	<u>5</u>	<u>3</u>	<u>21</u>	<u>20½</u>	✓	<u>Byers</u>	

## 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.	Statutory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Length.	Cir.			
																		Fathoms.	Ins.
15346	300	2 7/8	10 1/2	142 1/2	847.1	14	844 1/2	300	2 3/8	Stud	—	Sld. May 30/27, Baiter	TOWLINE... HAWSEBS & WARPS }	130 5 1/2	5 1/2	88	130 5 1/2	✓	
Iron Stream } Glass or } Steel Wire }	120	5"		73				120	5"				"	40 3 1/2	26				
													"	90 3 1/2	26				
													"	90 2 1/2	26				
													"	90 2 1/2	12 1/2				
														4-100 8"	12 1/2			hemp	
														4-100 8"	hemp				

Steering Gear, Steam *Nelson-Porie - by Donkin* Steering Gear, Hand *Tackles to wind*

Boats *222Y 1220' 1216'* Steering Chains, Size and Test \_\_\_\_\_ Windlass *Clarke Chapman*

**Ceiling in Holds,** thickness and material ..... **Cargo Battens,** thickness, material and spacing .....

Cargo Hatchways.—(Upper Deck) *five held 11'-9" x 6'-9"* Thickness of Hatches *30 plate cover*

Size of **No. 1 Hatchway** (Forward) ..... **No. 2** ..... **No. 3** ..... **No. 4** ..... **No. 5** ..... **No. 6** .....

Number of **Shifting Beams** and/or **Fore** and **Afters**

PALMERS SHIPBUILDING & IRON CO. LTD.

*Builder's Signature*

SHIPYARD MANAGER

## GENERAL DECLARATION

GENERAL DECLARATION This vessel has been built in accordance with the approved plans the Society's Rules and the Committee's instructions. The workmanship and materials are good and to my satisfaction, all cargo tanks, oil fuel bunkers, fresh water, feed & ballast tanks and cofferdams have been filled & tested to rule pressure, Bulkheads not tested under pressure have been hose tested, all weather decks not tested under pressure have been tested by flooding. The assigned pressures have been marked on vessel's sides & signed by me and  
 Put in.

The vessel is built on the longitudinal (racing-Bracketless) System.

all approved plans. with in addition a plan showing midship and end sections of vessel as built and profile & deck plans - as built are forwarded herewith.

The amount of Entry Fee ..... £ 10 : 0 : 0

Special Survey Fee.... £578: 14: 0

*Travelling Expenses, if any* £ 11 : 18 : 4

Fees applied for,

19 JULY 1977

Received by me,

2/8/22

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

assessed  $\pm 100$  AT  
carrying petroleum in bulk

State whether the Vessel has been built under Special Survey

Signature \_\_\_\_\_

*Surveyor to Lloyd's Register of Shipping*

Certificate to be sent to

Date of issue

### Committee's Minute

TUES. 26 JUL 1927

*Character assigned*

+ 100 M. Carrying Petroleum in Bulk.

Cloyd's A.C.P. + L.M.C. 7:24  
F.D.

Tested for Oil Fuel 7:27 F.P. above 150° F

July

Lloyd's Register  
Foundation

W1647 - 0030 (312)



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.)

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	40.0.14, incl <sup>d</sup> pin 44-1.0. K.H. Dusseldorf	4517	29/3/27
	2nd "	40.3.3 " " 44.3.14 " "	4567	26/4/27
	3rd "	35.3.11 " " 39.1.7 " "	4559	26/4/27

Length of Poop 103.7 ft., R.Q.D. — ft., Bridge 32.7 ft., Forecastle 43.0 ft.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 103.7 ft., R.Q.D. — ft., Bridge 32.7 ft., Forecastle 43.0 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *not joined*

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *2 dks (ste)*

Official No. 149865; Signal Letters *except in oil spaces which are bare*

Is bottom of Vessel coated with cement *yes*

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.
Double bottom, aft,			Fore peak tank,	
Double bottom, under Engines and Boilers,			After peak tank,	
Double bottom, if under Engines only,	31'6"	94 FW	Deep tank, aft,	
Double bottom, if under Boilers only, <i>oil fuel</i>	40'4"	167 SW	Deep tank, forward, <i>ballast or oil fuel</i>	36
Double bottom, forward,	71 10	261	Other tanks, if fitted,	
			(If necessary, furnish further information by sketch.)	

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

Manufacturer's Name  
*Dorman Co.*  
Has the Steel been

Order for Special Survey No. 5202

Date 15.3.27

Dates of Surveys held while building

1926 Dec. 17. 20. 22. 30. 1927 Jan. 4. 6. 13. 19. 26. Feb. 1. 4. 7. 9. 11. 15. 17. 22. Mar. 1. 5. 10. 14. 17. 18. 21. 22. 23. 24. 25. 26. 31. June 6. 13. 19. 29. 30. July 5. 6. 11. 13.