

## STEEL STEAMER or MOTORSHIP.

Received at London Office - 6 MAY 1931

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *no (transf. Hk.)*

5 MAY 1931

Date of completion of report

Port of *Newcastle-on-Tyne*No. *87116*Survey held at *Hellum-on-Tyne*Date First Survey *26 Feb 1930*

Last Survey

*28 April*

1931

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

*Single Sc. M.S.**"BRITISH STRENGTH"**MENY AFT*

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

*Full scantling oil-carrier*

State Type of Erections

*Post, Bridge & Forecastle*

TONNAGE under Tonnage Deck

*6390.86*CLASS *100A1**carrying petroleum in bulk*

State if with freeboard as condition of Class

No.

Built at *Hellum-on-Tyne*

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 *4640.0*Launched *17.2.31*Yard No. *1005*

Total

Breadth (greatest moulded)

B *59.25*Builders *Palmer's S.B. & Co. Ltd*

Gross Tonnage

*7138.52*

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

D *33.00*Owners *British Tanker Co. Ltd.*

Register Tonnage

*4168.82*1st Longitudinal Number (L x D) = *14520*

Managers

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

2nd Numeral L x (B + D) = *40590*

Residence

## REGISTERED DIMENSIONS.

FEET.

Length

*441.2*

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

*Long framing*

Port of Registry

*London*

Breadth

*59.7*

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

*13.33*

If surveyed while building, afloat, or in dry dock

*All three.*

Depth

*33.0*

Do. Long Bridge to top of keel

*25'-10"*Draught Moulded *Full Summer*

## 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.
<b>FRAMES, Spacing amidships</b>	<i>Longitudinal framing</i>		<b>Bracket Floors, Frame</b>		
" " from length to Collision bulkhead	<i>26"</i>		" " Reversed Frame		
" " in peaks	<i>24"</i>		" " Vertical Struts		
" " in mach. space	<i>27"</i>		<b>Centre Girder, depth and thickness amidships</b>	<i>66.56</i>	
<b>SIDE FRAMING.</b>			" " top Angles	<i>3 1/2 x 3 1/2 x .54</i>	
Frame Amidships, Angle, E or L	<i>10 3 1/2 .40</i>		" " bottom Angles	<i>4 x 4 x .58</i>	
" " Extends up to	<i>upper &amp; lower dks alternately</i>		<b>Side Girders, No. each side and thickness</b>	<i>3, 2 @ 58, 1 @ 42</i>	
" " in Mach. to upper deck	<i>9 x 3 1/2 x .44</i>		<b>Margin Plate</b> depth (excl. of flange) and thickness		
<b>Reversed Frame Amidships, Angle</b>			" " Vertical Angle to Tank side		
" " Extends up to			" " Bracket abaft 1/2 len. from stem		
<b>Depth of Framing Girder</b>	<i>10" x 9"</i>		" " Vertical Angle to Tank side		
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or L</b>			" " Bracket forward 1/2 len. from stem		
" " Second 'tween Decks, Angle, E or L	<i>Long</i>		" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Third " " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem		
<b>Framing in Peaks, Angle or L</b>	<i>8 3 1/2 .41</i>		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	<i>about 8'10" .46"</i>	
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	<i>yes.</i>		<b>INNER BOTTOM PLATING, IN MACH. SPACE</b>		
<b>State if Frame Joggled</b>			Breadth and thickness of Middle Line Strake	<i>71 3/4 x .52</i>	
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars	<i>3 web frames 3 stringers as appd.</i>		Thickness of remainder in Holds	<i>54/52, 1 1/2" under oarques</i>	
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars	<i>3 strakes midship thickness &amp; intercostal girders as appd.</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>	
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
Floors, Depth and thickness at mid-line in Holds			<b>Uppermost Continuous Deck, amidships</b>		
Height of Brackets at side above base line at toe of frame			" " in Wells, Angle, E or L		
<b>Middle Line Keelson, on Floors, Angles, E or L</b>			" " in way of Bridge, Angle, E or L		
" " Through Plate or Intercostal Plate			Spacing		
" " Foundation Plate on Floors			<b>Second Deck, amidships, Angle, E or L</b>		
" " Flat Plate Keel Angles			Spacing		
<b>Side Keelsons, No. each side</b>			<b>Third Deck, amidships, Angle, E or L</b>		
" " thickness of Intercostal Plate			Spacing		
" " Angles			<b>Fourth Deck, amidships, Angle, E or L</b>		
<b>DOUBLE BOTTOM, in mach. space</b>			Spacing		
Solid Floors, thickness and spacing	<i>42" .48, 27"</i>		<b>Poop Deck, Angle, E or L</b>	<i>8 3 1/2 .48</i>	
" " Are Frame and Reversed Frame joggled?	<i>yes</i>		Spacing	<i>27"</i>	
<b>Bracket Floors, breadth and thickness at middle line</b>			<b>Bridge Deck, Angle, E or L</b>		
" " breadth and thickness at margin plate			Spacing		
			<b>Forecastle Deck, Angle, E or L</b>	<i>8 3 1/2 .38</i>	
			Spacing	<i>26" - 24"</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.
<b>PILLARS, No. of Rows.....</b>	<i>Built pillars as approved</i>		Stringer Plate, breadth and thickness in way of Bridge .....	86 .44	
„ in 'tween Decks, Size and Spacing.....	<i>in Machinery space</i>		Thickness of Plating abreast Deck openings in way of Wells .....	43	
„ „ „ „ „	<i>for hold</i>		Thickness of Plating abreast Deck openings in way of Bridge .....		
„ in Holds „ „			Thickness of Plating within line of openings...		
„ „ „ „ „	BA		If Sheathed, material and thickness .....		
<b>Centre Line Bulkhead.</b>	7 3/4 .33		<b>Third Deck.</b>		
Stiffeners and Spacing... <i>2' 5 1/2" x 2' 7" spacing</i>	10 3 1/2 .44		Stringer Plate, breadth and thickness.....	—	
Plating, thickness of .....	.50 to .37		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	79 x .76 .44	.66	If Plated, state thickness .....		
„ „ „ „ in way of Bridge	79 x .86 „ .76		<b>Poop Deck.</b>		
„ Angle in Wells .....	6 6 .67		Stringer Plate, breadth and thickness .....	37 .36	
Thickness of Plating abreast Deck openings in way of Wells .....	.66		Plating, Sheathing, material and thickness ...	30 where not sheathed	
Thickness of Plating abreast Deck openings in way of Bridge .....	.66		26 where sheathed		
Thickness of Plating within line of openings...	.50		2 1/2" sheathing deck (approved)	41 .42	
If Sheathed, material and thickness .....	none		30 sheathing 2 1/2" oak (exposed)		
<b>Second Deck.</b>			3. Pine (covered)		
Stringer Plate, breadth and thickness in Wells...	86 x .44		<b>Bridge Deck.</b>		
			Stringer Plate, breadth and thickness.....	35 .36	
			Plating, Sheathing, material and thickness ...	26" sheathing 2 1/2" oak	

## 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 .....	53	.95	.75	.80		double	1" 4	5	1 1/8	5	
„ DBLG. (if any)											
BOTTOM PLATING, No. of Strakes .....		.62	.50	.50			7/8 3 1/2	4	7/8	3 1/2	
BILGE PLATING, No. of Strakes .....		.63	.60	.63			" "	4	"	"	
SIDE PLATING, No. of Strakes .....		.61	.47	.47			" "	3	"	3 1/8	
UPPER DECK, Sheer-strake in Wells.....	54	1.04	.47	.47	approved .94		—	5	1 1/8	5"	
UPPER DECK, Sheer-strake in Bridge .....	54	1.04					1" 4"	5	1 1/8	5"	
STRAKE BELOW Sheer-strake in Wells.....		1.22					1" 4"	4	1"	4"	
STRAKE BELOW Sheer-strake in Bridge ...		.76	.47	.47			1" 4"	4	1"	4"	
POOP SIDE PLATING .....				.40			1" 4"	4	1"	4"	
BRIDGE SIDE PLATING ...		.42					7/8 3 1/2	1	3/4	2 5/8	
FORECASTLE SIDE PLATING		.50 at ends					7/8 3 1/2	2	3/4	"	
			.42				7/8 3 1/2	1	3/4	"	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) 13

„ Deck next below 17

As per Rule *approved as above*

## STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		SCANTLINGS.		SPACING.		SCANTLINGS.		SPACING.	
MIDSHIP BULKHEAD, Upper 'tween decks	50/34	BA	30"	29"	2 wls	BA	12 x 3 1/2 x 45	31"	33 1/2
„ „ Second „							6 1/2 x 3 x 32		
„ „ Third „									
„ „ Holds .....		BA	11 x 3 1/2 x 56	27"		Flat			
COLLISION „ (in Hold) .....	48/29	6 x 3 x 30	angle			Flat			
AFTER PEAK „ „ .....	44/30	9 x 3 1/2 x 40		24"		Flat			
		6 x 3 x 48	angle						

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....		Flat Plate		
STEM .....		Roller, 10 1/4 x 2 5/8		
STERN FRAME { Propeller Post .....	Forging	10 1/2 x 8 3/4		
{ Rudder „ .....		9 x 8 3/4		
RUDDER—A x D .....	576			
Speed of Vessel .....	11 1/2 knots			
RUDDER mainpiece at head ...	Forging	12"	SLD Forge	
„ „ heel ...		9"		
„ how constructed .....		Arms shrunk & keyed		
„ double or single plate .....		single 1.12"		
„ 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, Consett, Cargo Fleet, South Durham, Pearse Partners, Steel Co of Scotland*

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

Lloyd's Register Foundation



EQUIPMENT No 42516										LETTER 3+		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.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
33495	1st Bower ...	80	0	14				59	0	0	0	71. 2- 0	Byers Imp? Stockless	-	Sld 25.11.30 Butler
24639	2nd " ...	72	2	7				55	5	0	0		Byers Stockless	-	Ltr. 5.12.30 Green
33570	3rd " ...	62	2	0				49	15	0	0		Byers Imp? "	-	Sld 17.1.31 Butler
	Collective weight.	215	0	21								207.0.0			
45835	Stream .....	20	3	4	5	1	12	21	8	0	14	26. 2- 0	Iron stock	-	C.H 23.12.30 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-ory.	Break-ing.	Supplied.	Per Rule.		Length.	Diam.					Length.	Ins.	Tons.	Length.	Ins.
45171	300	2 3/8	10 1/2	142 1/2	844	2 0	844 1/4	300	2 3/8	Steel	-	C.H. 23.10.30 Paul	TOWLINE	130	5 1/2	844	130	5 1/2
66347	4 ft for 2 3/8		10 1/2	142 1/2	3.3.7							Tipton 2.7.30 Leeson	HAWSERS & WARPS	90	3 3/4	39.9	owners.	
66346	"	"	"	"	3.3.7						"	"		2.90	3 1/2	35.2		
											"	"		2.90	3"	25.4		
Iron Stream Chain or Steel Wire	120	5"	70.9	1				120	5"				"	2.100	8"		2.100	8"
													"	2.100	8"		2.100	8"

Steering Gear, Steam Electric Hydraulic (Hastie)

Steering Gear, Hand Emergency tackles to windlass separate teller.

Boats 4 steel life boats, 24' 1 cutter 18' 1 dinghy 18'

Steering Chains, Size and Test

Windlass Steam, Emerson Tracker

Ceiling in Holds, thickness and material

none

Cargo Battens, thickness, material and spacing

none

Cargo Hatchways, (Upper Deck) 6' x 4' oil tight 44 coamings

Thickness of Hatches plate 5/8

Size of No. 1 Hatchway (Forward) 7' x 10' to ordinary hold

No. 2

No. 3

No. 4

No. 5

No. 6

Number of Shifting Beams and/or Fore and Afters No. 1 plate cover 40 5' x 3' x 3/8 angle stiffeners 24" spacing.

Palmer's Shipbuilding &amp; Iron Co., Ltd.

Builder's Signature

A. B. Jenkins

Shipyard Manager.

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *oil engines* (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.

oil for machinery is carried in cross bunker between machinery + cargo spaces + in double bottom aft.

This vessel has been built in accordance with the approved plans the Society's Rules + the Committee's instructions. The workmanship and materials are good and to my satisfaction. All cargo tanks

expendants, fuel ballast tanks have been filled with water and found tight under rule pressure;

all weather decks (not tested under pressure when testing tanks) have been tested by flooding with hose.

The assigned freeboards have been marked on vessels sides, reuped + cut in.

at Hartlepool where mach<sup>y</sup> was placed on board the vessel sustained damage on hitting quay walls

re. on return to Hibernia the vessel was dry docked. one plate on sld bridge (F6) has been removed

F8 has been faired in place G3 faired in place 2 long<sup>ts</sup> faired in place 2 lengths keel +

1" bar removed. Tanks in way of repairs retested.

All approved plans + forging reports are sent herewith; Print of sections of vessel as built are already in London office having been sent with report on sister vessel "BRITISH SCIENCE".

The "BRITISH SPLENDOR" is also a sister vessel.

The amount of Entry Fee ..... £ 10 : 0 : 0  
 Special Survey Fee.... £ 567 : 14 : 3  
 F'd'd 13.0.0  
 Travelling Expenses, if any £ : :  
 Fees applied for, 5 MAY 1931  
 Received by me, 19.5.31

I am of opinion the Vessel should be Classed *£100 A.I. carrying petroleum in bulk*

State whether the Vessel has been built under Special Survey

yes

Signature

G. H. Mowbray

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to IN DUPLICATE Newcastle

Date of issue 8/5/31.

Committee's Minute, FRI. 8 MAY 1931

Character assigned +100A1

Carryg. Petrol. in Bulk

Lloyd's A.R.C.

+ L.M.C. 4.31 C.L.

Oil Eng. 2 S.B. 150 lb.

Write H.P.

altered

M.J.



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Lloyd's Register Foundation

W12-0085(2/3)



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 49.1.23, with pin 54.2.14, 17.13. Day, 12.9.30, 8631  
2nd " 41.0.5 " 44.3.14 " " 28.9.30 8746  
3rd " 35.3.14 " 39.1.7 " " 25.8.30 4196

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 108 ft., R.Q.D., — ft., Bridge 42 ft., Forecastle 49 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. 162576 : Signal Letters

Is bottom of Vessel coated with cement *yes* if not give particulars of composition *clear of oil tanks.*

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, <i>fuel bunker, feed oil fuel, drain tanks</i>	78.75	283	Fore peak tank,		149
Double bottom, under Engines and Boilers,			After peak tank,		89
Double bottom, if under Engines only,			Deep tank, aft,	39	227
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom		283	(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. 2424

Date 16.6.30

Dates of Surveys held while building

1930  
Feb. 26. Apr. 4. 8. 9. 12. 23. 25. 28. July 10. 18. Aug. 5. 22. 27. Sep. 1. 2. 4. 5. 9. 18. 23. 24. Oct. 2. 6. 10. 14. 21.  
1931  
22. 23. 24. 28. 29. 31. Nov. 3. 6. 7. 10. 11. 12. 18. 19. 20. 25. Dec. 2. 3. 4. 5. 8. 9. 10. 15. 23. 24. Jan. 5. 6. 12. 14. 15. 16. 19. 20. 21. 22.  
23. 26. 27. 28. 29. 30. 31. Feb. 2. 3. 4. 5. 6. 9. 10. 11. 12. 13. 17. Apr. 2. 8. 9. 10. 13. 14. 15. 16. 17. 20. 23. 28.

Total No. of Visits 92



149  
89