San Dario ex

SAT. -2 FEB 1918

~~With or~~ Without Disconnected Erections.

STEEL STEAMER.

Received at London Office .....

State if Report is also sent on the Machinery of the Vessel Yes

No. 27147

Date of completion of report 1 FEB 1918 — Port of SUNDERLAND

Survey held at SUNDERLAND — Date, First Survey 7th Feb. 1917 — Last Survey 26 January 1918.

On the (State if Single, Twin, or Triple Screw) STEEL TWIN SCREW R.F.A. "TEAKOL" — Rig POLE

CLASS 100 A 1

		FEET.
TONNAGE under Tonnage Deck	880·35	
Do. between Tonnage Dk. and 3rd and 4th Dk.		
Total under Upper Dk.		
Breadth (greatest moulded)		34·00
Depth, at middle of length from top of keel to top of upper deck beams at side		16·50
Transverse Number		50·50
Length on deck from fore part of stem to after part of stern post		210·0
Longitudinal Number		10605
Depth "d," at middle of length (See Secs. 2 & 13)		13·84
Proportions—Depths to Length—Upper Deck Beam at side to top of keel		12·72
" " Long Bridge Deck Beam at side to top of keel		—

of Poop	75·62
~~P.O.Dk.~~ TRUNK	88·05
Bridge House	—
Forecastle	79·78
Houses on Dk.	12·95
Excess of Hatchways	—
Crown of Engine Room	—
Tonnage	1136·75
Crew Space	87·29
Above Crown of Engine Room	—
...GE FOR FEES	1049·46
Engine Room	363·76
Navigation Spaces	101·97
	—
...ter Tonnage ...t on Beam	583·73

Master S. J. TWYMAN

Year of appointment (1) As Master in service of owner of present vessel:—191 — (2) As Master of this vessel 1918

Built at SUNDERLAND

When built 1918 — Launched 17·8·17

By whom built MESSRS SHORT BROS L^D.

Owners THE LORDS COMMISSIONERS TO THE ADMIRALTY

Managers THE SECRETARY TO THE ADMIRALTY (Where necessary to be entered in Reg. Book.)

Residence ADMIRALTY LONDON

Port belonging to LONDON

Destined Voyage NOT STATED — ~~If~~ Surveyed while Building and Afloat, ~~or in Dry Dock~~ UNDER SPECIAL SURVEY

	Feet.	Inches.		Feet.	Inches.		Feet.	Inches.	
...GTH on Deck per Rule	210	0	BREADTH— Moulded	34	0	DEPTH, ACTUAL—Top of ~~Beams~~ LONGITUDINALS to top of Upper Dk. Beams	16	7	No. of Decks with flat laid ONE
						Do. do. do. do. Second Dk. Beams	-	-	No. of Tiers of Beams ONE

...ensions of Ship per Register, Length 210·0 breadth 34·8' depth 16·6'. Moulded depth, ft. - ins. - To Bridge Dk. — Moulded depth, ft. 16 ins. 6 To Upper Dk. — Round of Upper Dk. Beam, Actual 9 ins.

FRAMING.	Inches in Ship	Inches in Ship	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.	
...ME, ~~Angles, or E or~~ Bars ~~amidships~~ IN ENGINE ROOM	7	3	·36	7	3	·36
IN FORE HOLD	6	3	·344	6	3	·40 O.A.
...). in peaks — AFTER PEAK	5½	3	·38	5½	3	·38
B.H. FORE PEAK	6	3	·344	5	3	·38 O.A.
...). in way of Double Bottoms at Solid Floors... IN ENGINE SPACE	3	3	·30	3	3	·30
" " ~~at intermdt. Blkts.~~						
IN ENGINE SPACE & FORE HOLD		25½			25½	
...ng of Frames from centre to centre ~~amidships~~						
" " " ~~from ?~~						
~~length to Collision bulkhead~~ in peaks..	AFTER PORT	PEAK PEAK	24⅜ 24	AFTER PORT	PEAK PEAK	24⅜ 24
" " "						
...ERSED FRAME, Angles IN ENGINE SPACE						
... in way of Double Bottoms at Solid Floors...	3	3	·30	3	3	·30
" " ~~at intermdt. Blkts.~~						
...MING, depth of girder	LONGITUDINAL TANKS	SEE	FORMING SEPARATE		IN O/A FORM.	
...ORS, depth and thickness of Floor Plate AT CENTRE OF ENGINE ~~in mid line for ¾ length amidships~~		24	·38		24	·38
~~in way of Engine and Boiler Spaces~~						
~~thickness at the ends of vessel~~						
~~depth at ¾ the half breadth, as per Rule~~						
~~height extended at the Bilges~~						
...ORS in **Cell. Double Bottoms** IN ENGINE SPACE		·30			·30	
state if flanged (top & bottom)		NO			NO	
Spacing of Solid floors		25½			25½	
...TRE GIRDER, in Dbl. bottom, dpth. & thicknss. IN ENGINE SPACE	42"	36"	·40	42"	36"	·40
" Angles, Top DOUBLE	3	3	·38	3	3	·38
" " Bottom DOUBLE	3½	3½	·42	3½	3½	·42
" " to Floors	3	3	·30	3	3	·30
Brackets at intermdt. frmg., wdth & thknss	-	-	-	-	-	-
...GIRDERS, IN ENGINE SPACE number on each side & thickness	2 ON SIDE		·30	2 ON SIDE		·30
" state if flanged (top and bottom)		NO			NO	
" Angles (top and bottom)	3	3	·30	3	3	·30
" to Floors	3	3	·30	3	3	·30
...IN PLATE, IN ENGINE SPACE depth (exclusive of flange) and thickness		26	·34		26	·34
" Angle to Outside Plating	3½	3½	·34	3½	3½	·34
" " Floors	3	3	·30	3	3	·30
Brackets at intermdt. frmg., wdth & thknss	-	-	-	-	-	-
Height of Outside Brackets above at bilge		8"			8'	
...BOTTOM PLATING, IN ENGINE SPACE breadth and thickness of **Middle Line Strake**		42	·38		42	·38
" " in Engine ~~and Boiler~~ space		34			34	
" " Remainder in Holds	-	-	-	-	-	-
BEAMS, Upper Deck, IN ENGINE SPACE ~~Single Angle,~~ Bulb Angle. ~~Plate, Tee Bulb, or Channel~~	6	3	·344	6	3	·344
" ~~In way of Long Bridge~~						
" Spacing		25½			25½	
~~**BEAMS, Second Deck,** Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel~~						
" Spacing						
~~**BEAMS, Third and Fourth Deck,** Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel~~						
" ~~Angles on upper edge~~						
" ~~Spacing~~						
BEAMS, Poop Deck, ~~Angle~~, Bulb Angle, ~~Plate, Tee Bulb, or Channel~~	6	3	·344	6	3	·225
" ~~Angles on upper edge~~						
" Spacing		25½			25½	
~~**BEAMS, Bridge Deck,** Angle, Bulb Angle, Plate, Tee Bulb, or Channel~~						
" ~~Angles on upper edge~~						
" ~~Spacing~~						
BEAMS, Forecastle Deck, ~~Angle~~, Bulb Angle, ~~Plate, Tee Bulb, or Channel~~	6	3	·344	5½	0.A. 3	·40
" ~~Angles on upper edge~~						
" Spacing	25½	24		25½	24	

PILLARS.	Inches. Size in Ship.	Inches. Spacing in Ship.	Inches per Rule. Or as	Inches per Rule, Approved.
PILLARS In 'tween Deck, size and spacing	2½"	4" SPACED	AS PER	PLAN
" " **Hold** " "	4"	SPACED	AS PER	PLAN
" " **Quarter 'tween Dks.,** " "	—		—	
" " **in Hold** " "	—		—	

KEELSONS & STRINGERS.	Inches in Ship	Inches in Ship	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.
CENTRE LINE KEELSON, IN FORE HOLD ~~Vertical Plate above floors~~, Through Plate, ~~or Intercostal Plate Rider Plate~~		·38			·38
" Flat Plate Keel Angles	3½	3½	·44	3½	3½ ·44
" ~~Horizontal Plates on Floors~~					
" ~~Angles or~~ Bulb Angles DOUBLE	8	3	·48	8	3 ·48
SIDE KEELSONS, Number ONE ON SIDE	6	3	·344	5 O.A.	3 ·44
" ~~Angles or~~ Bulb Angles			·34		·34
THROUGH Plate ~~above floors, for length~~					
" ~~Intercostal Plate, for length~~					
" Attached to outside Plating with Angle	3	3	·30	3	3 ·30
BILGE KEELSON, ~~Angles~~					
" ~~Intercostal~~ BULB Plate for 108·0 length	8	12	·45		12 ·45
" Attached to outside Plating with Angle	5	3½	·35	5	3½ ·35
SIDE STRINGERS, IN ENGINE SPACE Number TWO	6	3	·344	6	3 ·225
" BULB Angle		10	·34		10 ·34
" Intercostal Plate, for FULL length	3½	3½	·34	3½	3½ ·34
" Attached to outside plating with Angle					
Upper Deck Stringer Plate, br'dth & thickness SHEER STRAKE AND STRINGER IN ONE ~~Clear of Bridge~~	72		·48	72	·48
" " " " ~~br'dth & thickness (in way of Bridge)~~		NO	ANGLE		
" " " Angle (clear of Bridge)					
" " ~~Tie Plate at sides of Hatchways~~					
" Deck.* ~~Iron or~~ Steel, for FULL lng.			·375		·375
" " ~~Thickness (clear of Bridge)~~					
" " " ~~(in way of Bridge)~~					
" Wood Deck. Material & thickness	NO WOOD			DECK LAID	
~~**Second Deck Stringer Plate,** br'dth & thickness~~					
" Angles on ditto, No.					
" Tie Plates outside Hatchways					
" Deck.* Iron or Steel, for lng.					
" Wood Deck. Material & thickness					
Third Deck Stringer Plate, br'dth & thickness					
" Angles on ditto, No.					
" Tie Plates, outside Hatchways					
" Deck.* Material and thickness					
Fourth and Fifth Deck Stringer Plate, breadth & thickness					
" " " Angles on ditto, No.					
" " " Tie Plates outside Hatchways					
" " Deck. Material & thickness					
Poop Deck Stringer Plate, breadth & thickness	32		·28	32	·28
" Angle on ditto	3½ × 3½		·34	3½ × 3½	·34
" ~~Tie Plates~~					
" Deck. Material and thickness STEEL SHEATHED WITH 5" × 2¾ P.P. OVER CABINS.	·28 × ·26			·28 × ·26	
~~**Bridge Deck Stringer Plate,** br'dth & thickness~~					
" Angle on ditto					
" Tie Plates					
" ~~Deck. Material and thickness~~					
Forecastle Deck Stringer Plate, b'dth & th'kns	32		·28	32	·28
" Angle on ditto	3½ × 3½		·34	3½ × 3½	·34
" ~~Tie Plates~~					
" Deck. Material and thickness STEEL SHEATHED WITH 5" × 2¾ P.P. OVER CABINS			·28		·28

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

Form No. 1A.—1m, 11.16. T.

005470-005479-0029½

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WEB FRAMES.

	Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore ~~Body~~ Hold, No. and spacing	ONE	SPACED	AS PER	PROFILE
,, ,, ,, brdth. & thickness	16	32	16	32
~~No. of Side Stringers~~ ,, ,,				
~~**WEB-FRAMES, In E. & B. Space,** No. & spacing~~				
,, ,, ,, brdth. & thickness				
WEB-FRAMES, In After Body, No. and spacing				
,, ,, ,, brdth. & thickness				
~~,, No. of Side Stringers~~ ,,				
,, Size of Face Angles to **Web-Frames**	6 × 3 × 344	6 × 3 × 344		
~~**BRACKET PLATES to Stringers between Web Frames,** depth and thickness~~				

FORGINGS or CASTINGS.

	Inches in Ship	Inches per Rule, Or as Approved.
KEEL, Bar, depth and thickness	FLAT PLATE	KEEL
STEM, moulding and thickness	BOTTOM CAST STEEL AS PER PLAN / TOP FORGED	6¾ × 2⅛ / 6¾ × 2⅛
STERN-POST for Rudder do. do.	6¾ × 2⅜	6¾ × 2⅜
,, ~~for Propeller~~	FORGED BRACTHELE BRACKETS AS PER PLAN	
RUDDER—A×D* Table 22. Speed UNDER 10 KNOTS	51·01 × 2·57	131
,, **Main-Piece,** diameter at head	6	6
,, ,, ,, at heel	4½	4½

BULKHEADS.

	Number. Vessel.	Number. Per Rule.	Thickness. (Inches.)	Stiffeners. Horizontal. Size. (Inches.)	Horizontal. Spacing (Inches.)	Vertical. Size. (Inches.)	Vertical. Spacing (Inches.)	Single or Double Frames.	Height up, state deck.
W.T. BULKHEADS	13		✓	✓		8 1			
AFTER PEAK			30·40	ONE 3	30	6 × 3 × 344	24	SOLE	UPPER DECK
2ND FUEL TANK AFT			30·38	6 × 3 × 344	25	ONE STAYS TO PLATES		SOLE	"
3RD TANK AFT			30·38	6 × 3 × 344	25	2 VERTICAL WEBS		"	"
2 COLLISION BHDS			30·38	do.	25	AND STAYS TO PLATES		"	"
2 F.W. TANK BHDS			28·34	"	"	3 × 3 × 344		SOLE	LOWER DECK AND TANK
,, **COLLISION** ,,			26·34	THREE BEAMS VERT. BOX	57	6 × 3 × 344	24	PLATE	UPPER DO.
~~**PARTITION**~~ ,,									
LONGITUDINAL ,,			30/38	6 × 3 × 344 / 7 × 3 × 344	25	ONE VERTICAL WEB IN EACH OIL TANK		THINE	DECK.

Are the outside Plates doubled two spaces of Frames in length? ADMT. BATS IN USE

Are the Sluice Valves and Watertight Doors in efficient working order? NONE FITTED

RUDDER, how constructed FORGED WITH ARMS SHRUNK ON

,, Thickness of ~~Plates or~~ Single Plate 84

Can the Rudder be unshipped afloat? YES.

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.? OPEN HEARTH PROCESS

STEEL PLATES:- SOUTH DURHAM - CONSETT - BOLCKOW VAUGHAN

STEEL ANGLES:- CARGO FLEET - TORMAN LONG - PALMER CONSETT - SKINNINGROVE

Has the Steel been tested as required by the Rules? YES

PLATING.

STRAKES.		As in Ship. Amidship. Breadth. (Inches.)	Amidship. Thickness. (Inches.)	Forward. Thickness. (Inches.)	Aft. Thickness. (Inches.)	Per Rule or as Approved. Amidship. Breadth. (Inches.)	Amidship. Thickness. (Inches.)
FLAT PLATE KEEL (If Bar Keel, state Riveting.)		41	·50	·50	·40	41	·50
GARBOARD or A Strake		67	·40	·50	·38	67	·40
State actual thickness in way of Double Bottom.	B ,,	60	·40	·50	·38	60	·40
	C ,,	58	·40	·50	·38	58	·40
	D ,,	50	·40	·50	·38	50	·40
	E ,,	54	·40	·50	·38	54	·40
	F ,,	58	·40	·50	·38	58	·40
COMPOUND STRAKE BETWEEN BILGE AND STRINGER		72	·48	·48	·38	72	·48
	H ,,						
	K ,,						
	L ,,						
	M ,,						
	N ,,						
	O ,,						
	P ,,						
	Q ,,						
	R ,,						
	S ,,						
	T ,,						
	U ,,						
	W ,,						
Write "Bridge Shear Strake" and "Upper Deck Shear Strake" opposite the corresponding letter.							
THICKNESS OF SHEERSTREKE CLEAR OF LONG BRIDGE							
DO. OF STRAKE BELOW							
DBLG. of Flat Plate Keel							
,, Sheerstrakes *Length and thickness.*							
POOP SIDES			·28				
~~BRIDGE SIDES~~ TRUNK			·375				
FORECASTLE SIDES			·28				

RIVETING.

	Edges. Ordinary or Joggled?	Edges. Single or Double.	Edges. Breadth of Lap. (Inches.)	Rivets. Diam. (Inches.)	Rivets. Spacing. or to cr. (Inches.)	Butts. Double or Treble and for what Length.	Butts. Rivets. Diam. (Inches.)	Butts. Rivets. Spacing or to cr. (Inches.)	Straps. Breadth. (Inches.)	Straps. Thickness. (Inches.)	If Lapped. Breadth. (Inches.)	If Lapped. For what Length. (Feet.)
FLAT PLATE KEEL	ORDINARY	SOLE	5¼	⅞	3⅛	QUAD.	⅞	3½	✓	✓	12"	FULL L
GARBOARD		"	4½	¾	2⅞	TRES - SOLE	¾	2⅝	✓	✓	7½ - 5	"
B		"	"	"	"	" "	"	"	✓	✓	"	"
C		"	"	"	"	" "	"	"	✓	✓	"	"
D		"	"	"	"	" "	"	"	✓	✓	"	"
E		"	"	"	"	" "	"	"	✓	✓	"	"
F		"	"	"	"	" "	"	"	✓	✓	"	"
COMPOUND STRAKE BETWEEN BILGE AND STRINGER		"	"	"	"	" "	"	"	✓	✓	"	"

* Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

Upper Deck Stringer Plate { **Butts,** TRES riveted for LENGTH OF EXPOSED DECK ~~length amidship~~. DOUBLE AT ENDS
Straps, ~~single, double or~~ overlapped for FULL length ~~amidship~~.

~~**Second Deck Stringer Plate** { **Butts,** riveted for length amidship.~~
~~**Straps,** single or overlapped for length amidship.~~

Butts of Side Stringers ✓ riveted.
,, **Tie Plates** ✓ riveted.
Inner Bottom Plating, IN ENGINE SPACE riveting of **Edges** SOLE **Butts** SOLE & SOLE
Centre Girder Butts, TRES. riveted **Keelson Butts,** ✓ riveted.
Frames, riveted through Plates with ¾ in. Rivets, about 3⅜ - 4½" apart.
Rivets, state whether Iron or Steel IRON

FRAMES extend in one length from BULKHEAD TO BULKHEAD IN ~~the~~ OIL COMPARTMENTS. AT AFTER END FROM CENTRE LINE TO MARGIN PLATE AND THENCE TO GUNWALE - AT FORE END FROM CENTRE LINE TO GUNWALE State if ordinary or joggled ORDINARY
REVERSED FRAMES on floors ~~and Plates~~ IN TANKS extend from CENTRE LINE TO MARGIN PLATE
State if ordinary or joggled ORDINARY

MASTS, SPARS, &c.

	Material.	Total Length.	Diameter and Thickness. At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles. Number.	Size.	Riveting. Seams.	Butts.
LOWER MASTS. Fore	PINE	43·6	–	14	12	6	–	–	–	–	–
~~Main~~											
~~Mizen~~											
~~Bowsprit~~											

~~Topmasts, Yards and~~ Remainder of **Spars** OF PINE

Rigging, Material and Size, **Shrouds** 3" GALVANIZED WIRE . **Stays** NONE

Sail. ~~Suit of~~ NO SAILS ~~Sails, and the following spare sails:~~

Form No. 1a.

EQUIPMENT No. 11707 LETTER R . ANCHORS. TONNAGE U. DK. OR PLATING No. FOR TRAWLERS

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight required by Table 31. Cwts.	qrs.	lbs.	Description of Anchor	Makers.	Where and when tested and Superintendent.
22187	1st Bower	26	1	14	STOCKLESS			25	18	0	14	25	2	0	"BYERS" PATENT	NOT STATED	S.O. 13.9.17. C. BELL
22152	2nd ,,	26	1	7	do.			25	18	0	14	25	2	0	do.	"	S.O. 4.9.17. C. BELL
22470	3rd ,,	22	1	14	do.			22	13	0	14	22	0	0	do.	"	S.O. 6.12.17. L. HARRINGTON
	4th ,,																
	Collective weight.	75	0	7								73	0	0			
77972	Stream	6	2	0	1	2	24	8	15	0	0	6	2	0	IRON STOCK	N. HINGLEY & SONS	NETHERTON 17.7.17. H. GREEN
77600	Kedge	3	2	4	1	0	2	6	0	3	21	3	2	0	do.	do.	do. 3.1.17 do.

If Patent state Name of Patentee. *If Tests, state Maker and Date.*

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

1st Bower 16·2·14 - D.D.W - 442 - 24.7.17
2nd ,, 16·8·14 - D.D.W - 402 - 17.7.17.
3rd ,, 15·0·14 - W.C - 1426 - 5.10.17
4th ,,

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length. (Fathoms.)	Diam. (Ins.)	Test per Certificate. Statutory. (Tons.)	Breaking. (Tons.)	Weight of Chain Cable. Supplied. (Cwts qrs. lbs.)	Per Rule. (Cwts. qrs. lbs)	Length and Size per Table 31. Length. (Fathoms.)	Diam. (Ins.)	Description.	Makers of Cables.	Where and when tested, and Superintendent.
64860	105	1½	40 5/10	58 7/10	123·0·8	121·0·2½	105	1½	STUD LINK	N. HINGLEY & SONS	NETHERTON 21.7.17. H. GREEN
66505	do.	do.	do.	do.	122·3·20	121·0·2½	do.	do.	do.	do.	do. 29.6.17. do.
~~Steel Stream~~ Steam or Steel Wire	200	150 GIRTH 3½	26	✓			75	GIRTH 2½			

HAWSERS AND WARPS.

Material	Length and Size supplied. Length. (Fathoms.)	Cir. (Ins.)	Breaking Test of Steel Wire Towline. (Tons.)	Length and Size per Table 31. Length. (Fathoms.)	Cir. (Ins.)
TOWLINE	90	3½	26	90	3¼
HAWSERS & WARPS	150	2½	12½	90	2¼
"	150	2½	12½	90	2
" 200	150	2½	SUPPLIED BY HOPPINGLEY NO TESTS GIVEN		

Boats 2 LIFEBOATS AND ONE DINGHY **Steering Gear, Steam** J. HASTIE & Co. **Steering Gear, Hand** J. HASTIE & Co.
Pumps, Number NONE FITTED Diameter of Barrel ✓ State whether they are in efficient working order ✓
Windlass is CLARKE CHAPMAN & Co **Capstan** CLARKE CHAPMAN & Co.
Engine Room Skylights.—How constructed? OF STEEL What arrangements for deadlights in bad weather? FLAPS & BULLSEYES
Coal Bunker Openings.—How constructed? NONE How are lids secured? ✓ Height above deck? ✓
Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** NONE.
Ceiling in Holds, thickness and material 9 × 2½ W. WOOD **Cargo Battens,** thickness and material 6 × 2 W. WOOD
Cargo Hatchways.—How formed? OF STEEL, WITH BOLTED COMPANION ON TOP **Hatches,** If strong and efficient? YES
State size **No. 1 Hatch** (Forward) 4·0" × 3·0" ~~**No. 2 Hatch**~~ ~~**No. 3 Hatch**~~ ~~**No. 4 Hatch**~~
Number of **Web Plates, Shifting Beams** and **Fore** and **Afters** to each Hatch NONE
No. of Breasthooks 4 AND DECKS **No. of Crutches** DEEP FLOORS
Bulwarks, height above deck and description NONE Main Rail, material and size NONE
The foregoing is a correct description.
Builder's Signature (here only) FOSTER BROTHERS LIMITED. *Surveyor's Signature* J. S. Rhead H T Shaw
Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made in any correspondence connected with the case*) ~~DIRECTION~~

Workmanship. Are the butts of plating planed or otherwise fitted? PLANED AND OVERLAPPED
Is the riveted work properly closed? YES
Are the liners between the frames and plates solid single pieces? YES Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? YES Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? YES Do any rivets break into or through the seams or butts of the plating? A FEW
Are the butts of Plating, Stringers, &c., properly shifted and strapped? YES
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? YES State results of tests SATISFACTORY
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? YES State results of tests SATISFACTORY
General Remarks (State quality of workmanship, &c.) SECRETARY'S AND ADMIRALTY LETTERS DATED FROM OCT. 20TH 1916 - JAN 30TH 1918

THIS VESSEL HAS BEEN BUILT IN ACCORDANCE WITH THE APPROVED PLANS. THE SECRETARY'S AND ADMIRALTY LETTERS DATED AS STATED ABOVE, AND OTHERWISE IN ACCORDANCE WITH THE RULES FOR THE CLASS CONTEMPLATED. THE MATERIALS AND WORKMANSHIP ARE GOOD. THE WHOLE OF THE WORK AND TESTS COVERED BY THE SPECIFICATION AND DRAWINGS AS WELL AS THE ALTERATIONS AND ADDITIONS SUBSEQUENTLY APPROVED BY THE ADMIRALTY HAVE BEEN CARRIED OUT. ALL THE OIL COMPARTMENTS, OIL FUEL BUNKERS, BALLAST TANKS, CORFERDAMS, F.W. TANK, FORE & AFTER PEAKS AND DEEP TANKS HAVE BEEN TESTED IN ACCORDANCE WITH THE RULES AND FOUND SATISFACTORY. N.B. THERE IS NO CEMENT IN THE OIL CARGO TANKS ✓

OTHER DO. PROVING HOUSE TESTS:- No 4402. 2 SENNHOSE SLINGS. SWG 0·21. TEST 40½T - No 4403 1CWT. DOG 14 lbs TEST 50T. - No 4404 ONE HAWSER SLIP 1CWT. 3 gun 7 lbs - 40½T (No 4405) 4 BLAKE STOPPERS 2CWT. 3 gun. 7 lbs - 13½T (No 4406) 2 ROPEN STOPPERS 1CWT. 0.0 - 13½T. (No 4407) ONE CLEAR HAWSER SLIP. 0.2.14 - 13½T - No 4401 - 6 EYE PLATES. 1CWT. 1qr 21 lbs - 20½T.

NETHERTON PROVING HOUSE TESTS. No 57799 5 SWIVEL PIECES 4 CWTS 1qr. 14 lbs. - 40½T. No 57801. SWIVEL PIECE 0·1·2 - 18T.

The Surveyor should state the Number of Report and Name of any Sister Vessel.
Plans to be forwarded with F.E. Report showing vessel as built. ✓

~~The amount of Entry Fee~~ £ : :
Special Survey Fee £ 165 : 13 : 6 Fees applied for, 4/3/ 1918
Travelling Expenses if any £ 3 : 3 : 0 Received by me, 20/10/18 B 20/10
State whether the Vessel has been built under Special Survey YES
I am of opinion this Vessel should be Classed ✠ 100 A.1. STEEL TRAMPING PETROLEUM IN BULK L.R. & C.P.
With, or without Freeboard, as condition of Class WITHOUT.
Certificate to be sent to SUNDERLAND. *Date of issue* 19.2.18
J. S. Rhead + T Shaw
Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 19 FEB. 1918
Character assigned 100 A1
Aux. fld.
Carrying petroleum in bulk
Lloyds Rules

L.M.C. 1.18.
oil engine

The Surveyor is requested not to write on or below this Committee's Minute.

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0029 2/2

MESSRS. SHORT BROS. LD. No. 412. R.F.A. "TEAKOL"

PARTICULARS OF LONGITUDINAL FRAMING.

SUNDERLAND RPT. No. 27147

FRAMING.	Amidships. In Ship. Ins.	Ins.	Ins.	Ends. In Ship. Ins.	Ins.	Ins.	Amidships. Per Rule or as approved. Ins.	Ins.	Ins.	Ends. Per Rule or as approved. Ins.	Ins.	Ins.	Riveting. Rivets in Longitudinl. Frames. Diam. Ins.	Speng. Ins.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads. Number.	Diameter. Inches.
Framing of ⊥, L or ⊏																	
~~Frames in Bridge 'tween Decks~~ ...																	
Frames from Uppermost Continuous Deck No. 1	6	3	·325	6	3	·325	6	3	·325	6	3	·325	3/4	4½	4½ ✓	5	3/4
Framing from Awning, Shelter or Upper Deck to Margin Plate. " 2	8	3	·40	8	3	·40	8	3	·40	8	3	·40	-	-	-	6	"
" 3	6	3	·38	6	3	·38	6	3	·38	6	3	·38	-	-	-	6	"
" 4	7	3	·34	7	3	·34	7	3	·34	7	3	·34	-	-	3⅜ FOR 8 RIVETS ON SIDE ✓	6	-
" 5	8	3	·40	8	3	·40	8	3	·40	8	3	·40	"	"	"	7	"
" 6	7	3	·42	7	3	·42	7	3	·42	7	3	·42	"	"	"	7	"
" 7	8	3	·40	8	3	·40	8	3	·40	8	3	·40	-	-	-	10	-
" 8																	
" 9																	
" 10																	
" 11																	
" 12																	
" 13																	
" 14																	
" 15																	
" 16																	
Spacing of Longitudinal Frames: Amidships	24"			24"													
Spacing of Longitudinal Frames: At Ends	22"			22"													
Double Bottoms ⊥, L or ⊏: ~~Tank Top Longitudinals~~																	
Double Bottoms ⊥, L or ⊏: Bottom LONGITUDINALS	8 ✓	3½ ✓	·44	8	3½	·44	8	3½	·44	8	3½	·44	3/4	4½	3⅜ FOR 8 RIV ON SIDE		
Spacing of Longitudinals: Amidships	24 ✓						24										
Spacing of Longitudinals: At Ends...	24 ✓						24										
Transverses.													Rivets in Lugs to Shell: Diam.	Speng			
In Bridge 'tween Decks: ~~Depth and Thickness~~																	
In Bridge 'tween Decks: Face Angles																	
In Bridge 'tween Decks: Lugs to Shell*.....																	
In Awning, Shelter or Upper 'tween Decks: Depth and Thickness																	
In Awning, Shelter or Upper 'tween Decks: Face Angles																	
In Awning, Shelter or Upper 'tween Decks: ~~Lugs to Shell*~~																	
In Hold: Depth and Thickness		19 ✓	·34		19	·34		19	·34		19	·34					
In Hold: Face Angles O.A.	4	3½ ✓	·44	4	3½	·44	4	3½	·44	4	3½	·44					
In Hold: Lugs to Shell*.....	5	5 ✓	·40	5	5	·40	5	5	·40	5	5	·40	3/4	3¾			
In Hold: Brackets	-	-	-	-	-	-	-	-	-	-	-	-					
Spacing of Transverse Frames	ONE IN EACH OIL TANK. ✓																
* State if joggled or liners.																	
Longitudinal Beams of ⊥, L or ⊏: TRUNK ~~Bridge~~ Deck O.A.	5	3 ✓	·38	5	3	·38	5	3	·38	5	3	·38	Spacing. 26				
Longitudinal Beams of ⊥, L or ⊏: ~~Awg. or Shlr. Dk.~~																	
Longitudinal Beams of ⊥, L or ⊏: Upper "	6	3 ✓	·325	6	3	·325	6	3	·325	6	3	·325	27				
Longitudinal Beams of ⊥, L or ⊏: ~~Second~~ "																	
Longitudinal Beams of ⊥, L or ⊏: ~~Third~~ "																	

Transverse Beams.	In Ships. Plate.	Angles.	As approved. Plate.	Angles.
	11×·32 ✓	4×3½×·44 ✓	11×·37 ✓	4×3½×·44 ✓

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.*

1c,11,10.—T.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 69·5 ft., ~~R.Q.D.~~ ft., ~~Bridge~~ ft., Forecastle 56·5 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated CONTINUOUS TRUNK AND THE POOP IS JOINED TO THE FORECASTLE BY A CONTINUOUS TRUNK.

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (*this information is to be given as should appear in the Register Book*) ONE DK STL. LONGITUDINAL FRAMING & WEB FRAMES

Official No. 142.290 ; Signal Letters ..... State if Machinery is fitted aft YES

How are the surfaces preserved from oxidation? Inside PORTLAND CEMENT, PAINT AND OIL Outside PAINT

PARTICULARS OF WATER BALLAST.—State whether the Double bottom IN ENGINE SPACE is constructed on the cellular system ~~or with girders on floors~~ YES

Where Fitted.	*Length. Feet.	Water Capacity. Tons.
~~Double bottom, aft,~~		
~~Double bottom, under Engines and Boilers.~~		
Double bottom, if under Engines only,	34·0"	55
~~Double bottom, if under Boilers only,~~		
~~Double bottom, forward,~~		
Total capacity of double bottom		53

Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Fore peak tank,		35
After peak tank,		71
OIL FUEL ~~Deep~~ tank, aft,	4·3"	75
Deep tank, forward,	21·3"	189
FRESH WATER TANK ~~Other tanks, if fitted,~~ FORWARD.	8·6"	66

(If necessary, furnish further information by sketch.)

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

State whether the above have been tested as required by the Rules YES

Order for Special Survey No. 5281

Date 19 3.17

No. 412 in builder's yard.

DATES of Surveys held while building: 1917 Feb. 7.13.15.19.22.24.26. Mar 6.8.9.13.14.15.19.20.21.22.23.26.28.29.30 Apr. 4.5.13.16.17.18.19.24.27.30. May 1.2.4.8.11.12.16.17.18.22.23.31. June 1.4.5.7.8.11.12.14.15.18.20.22.25.29 Jul 2.4.6.9.12.13.16.19.20.26.27.30. Aug. 2.10.13.15.16.17.18.25 Dec 10.12.14.17.18.20.21.24. Jan 3.4.7.9 10.11.12.13.14.16.17.18.19.21.22.23.25.26

Total No. of Visits 106

Surveyor's Signature J. S. Reattard H T Shaw

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