

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	at ends and in Bridge				
" in 'tween Decks, Size and Spacing	as appd				
" " " " "					
" in Holds " " "					
Longly being Bulkheads for Longly Stiffers	8 3 1/2 x 43 BA.				
Stiffeners and Spacing	9 3 1/2 x 43 1 A.				
	10 x 43 B.P.				
	12 x 3 1/2 x 54 BA.				
Plating, thickness of	55-43				
STRINGERS AND DECKS.	(P. 403) 1 1/2 in way from front.				
Uppermost Continuous Deck.	72 .93				
Stringer Plate, breadth and thickness in Wells	1.18 (P 403)				
" " " " in way of Bridge	7 7 .89				
" Angle in Wells	.98 - .63				
Thickness of Plating abreast Deck openings in way of Wells	1.00				
Thickness of Plating abreast Deck openings in way of Bridge	.98 - .63				
Thickness of Plating within line of openings	Not sheathed				
If Sheathed, material and thickness	Not sheathed				
Second Deck. O.T. + W.T. Flat front.	.36 - .34 - .34 local				
Stringer Plate, breadth and thickness in Wells					
Stringer Plate, breadth and thickness in way of Bridge					
Thickness of Plating abreast Deck openings in way of Bridge					
Thickness of Plating within line of openings					
If Sheathed, material and 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					
Forecastle Deck.					
Stringer Plate, breadth and thickness					
Plating, Sheathing, material and thickness					

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 cr. to cr.		Diam.	Spacing cr. to cr.	
Flat Plate Keel	58	1.09	1.09	1.09		E.W.						
" Dblg. (if any)	✓											
Bottom Plating, No. of Strakes	101	.82	.51	.51	Keel to A	E.W.	1"	4"				
Bilge Plating, No. of Strakes	95	.82	.51	.51	A to B	Double	1"	4"				
Side Plating, No. of Strakes	88	.82	.51	.51	B to C	E.W.	1"	4"				
Upper Deck, Sheer-strake in Wells	91	.72	.51	.51	C to D	Double	7/8"	3 1/2"				
Upper Deck, Sheer-strake in Bridge	81	.66	.51	.51	D to E	E.W.	7/8"	3 1/2"				
Strake below Sheer-strake in Wells	89	.66	.51	.51	E to F	Double	7/8"	3 1/2"				
Strake below Sheer-strake in Bridge	78	1.05	.51	.51	F to G	Double	7/8"	3 1/2"				
Poop Side Plating		1.05			G to H	Double	7/8"	3 1/2"				
Bridge Side Plating	81	.66	.51	.51	H to J	Double	7/8"	3 1/2"				
Forecastle Side Plating		.66			J to K	Double	7/8"	3 1/2"				

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	15
Extending to Upper Deck (Sec. 3 c)	15
" Deck next below	
As per Rule	as approved.

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks					
" " Second "					
" " Third "					
" " Holds	51-43	✓	✓	17x4x4x 1/8 B.P. 30"	30"
" " (in Hold)	55-39	✓	✓	9x4x.50 1 A. 30"	30"
COLLISION	75-30	6x3x.30 1 A.	24"	8x4x.50 1 A. 30"	30"
AFTER PEAK		3x3x.30 1 A.		6x3x.53 1 A.	

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	Flat Plate			
STEM	Soft nose above 11 1/4 x 3 bar lower.			
STERN FRAME	Propeller Post	Cast as appd.	STROMMEN VERKSTED.	
	Rudder			
Speed of Vessel	15 K			
RUDDER—Type	Semi-balanced.			
" A x D	702			
" Diam. of head	Forg. 13 7/8		GEORGSMARIEUNERN	
" Mainpiece at top pintle	Cast. as appd.		STROMMEN VERKSTED.	
" " heel	Cast.			
" how constructed	Steel casting plates.			
" double or single plate coupling, vertical or horizontal	Double			
	Horizontal - 6-5 1/2 in Bolts.			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture):
 Dorman Long; The Lanarkshire Steel Co.; The Steel Co. of Scotland; Colvilles;
 Has the Steel been tested as required by the Rules? *Yes.* (Also P. 403 Steel by Colvilles.) upper W. Stiffeners No. 9, 15, 16

EQUIPMENT No. <u>60552</u>										LETTER <u>L+</u>		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.				
<u>32858</u>	1st Bower	<u>100</u>	<u>1</u>	<u>21</u>				<u>67</u>	<u>12</u>	<u>2</u>		<u>Buys Improved</u>		<u>Low broken</u>
<u>32855</u>	2nd "	<u>99</u>	<u>3</u>					<u>67</u>	<u>5</u>			<u>Cast Steel Head</u>	<u>✓</u>	<u>R.T. VOGAN.</u>
<u>32624</u>	3rd "	<u>85</u>	<u>3</u>					<u>61</u>	<u>10</u>			<u>- D° -</u>	<u>✓</u>	<u>L.W. 21.2.53 R.T.V.</u>
	Collective weight	<u>285</u>	<u>3</u>	<u>21</u>								<u>- D° -</u>	<u>✓</u>	<u>L.W. 22.10.53 R.T.V.</u>
<u>5574</u>	Stream	<u>30</u>	<u>0</u>	<u>7</u>				<u>7</u>	<u>3</u>			<u>285</u>		<u>Retention 23.9.53</u>
								<u>28</u>	<u>14</u>	<u>1</u>		<u>29 1/2</u>		<u>Heavy phos</u>

CHAIN CABLES.										HAWSERS & 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	Inch.
21007	332 1/3	2 1/4	157 ¹⁰	220 ¹⁰	1101 3 9	1034	330	2 13/16	TAYCO SPECIAL STEEL	D. Taylor.	16th Nov 29.10.52 4 Murphy.	TOWLINE 4 D	130	6 1/2	112.3	130	6 1/2		
												HAWSERS & WARPS }	120	2 3/4	15.2	120	2 3/4		
Iron Stream Chain or Steel Wire	120	5 1/2	84				120	5 1/2		Summons (Messellbury)		"							

Steering Gear, Type (Power or hand) Hydraulic & ram Master. Alternative Means of Steering 3 running 24" x 8 x 3
2 Independent Pumps. Windlass Steam Emerson roller Boats 1 motor - 50 -
 Steering Chains (Size and Test) 24 motor
 Ceiling in FORE Holds, thickness and material none Cargo Battens, thickness, material and spacing none
 Cargo Hatchways FORE (Upper Deck) 9'-0" x 15'-0" Jumboed hatch Thickness of Hatches ✓
 Size of Hatchways No. 1 (Fore) also 27 No. 2 outlight No. 3 hatches No. 4 4'-0" diam. No. 5 with 150" No. 6 Coaming's
 Number of Shifting Beams and 50" stiffeners & steel covers.
 and/or Fore and Afters }
 Builder's Signature R. T. Stephenson

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel Motorship
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo oil tanker. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

This ship has been built under Special Survey in conformity with the Society's Rules and Regulations and Secretary's letters.

Scuttings and the arrangements of the ship are as given in the Report and as shown and amended on the approved plans now forwarded.

Modifications and additions to the original approved arrangements made in construction have been indicated on the plans and have been approved being in accordance with or by standards equivalent to the Rule requirements.

Plans of Midship section and Profile and Decks showing the ship as built, forwarded with this report, have been checked with the approved arrangements found in order. The materials and workmanship are of Good Quality.

The double bottom tanks, fore peak tank and after peak tank, F.W. Tanks, Cargo tanks, oil fuel bunkers, settling tanks, forward deep tanks, and

lower.
NEW.
ED.

The amount of Entry Fee..... £ : : } Fees applied for,
1st JULY 1953

Special Survey Fee..... £1809 - - }
50 - - } Received by me,
Travelling Expenses, if any £ : : } 19

FREEBOARD.

I am of opinion the Vessel should be Classed +100A1 Carrying Petroleum in Bulk.

John Basalt

Signature
Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey Yes.

Certificate to be sent to Greenock Date of issue 11/8/53

Committee's Minute GLASGOW 14 JUL 1953

Character assigned +100A1
6.53. Gls.

Carrying Petroleum in Bulk.

Lloyd's A.C.P.
Longitudinal framing

ws. 9.15716

CLASSIFICATION
CERTIFICATES WRITTEN
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Lloyd's
Founda

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.)

Cofferdams have been tested to rule requirements and found satisfactory. The weather decks and W.T. Bulkheads have been hose tested with satisfactory results. The forepeak has been repaired and the necks cut in on the vessel's sides. Steering arrangements, windlass, head pumps and bilge suction fitted under working conditions. Oil fuel, F.P. above 150° F is carried in the cross Bunkers, settling tanks, forward deep tanks, and oil fuel double bottom tanks. The requirements of the Rules for pumping and piping and the requirements of sections 21 & 23 of the Rules for vessels carrying petroleum in Bulk, have been complied with so far as they are applicable. The approved Plans, forging reports etc. are forwarded as per attached list.

PARTICULARS OF ELECTRIC WELDING (if employed) Some seams of bottom shell plating; most seams of deck plating; all butts of bottom and side shell plating; butts of deck plating; Long! bulkheads; bottom and side shell and deck transverse; deck longitudinals; centre girders various minor items. Note: Side bottom shell frames, and seams of side shell plating fabricated by hydraulic rivetting and butts E.W.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Long! frames; Lloyd's A.C.P.; E.S.D.; D.F.; Radar; Cruiser Stern; machy aft; part E.W.; Gyro Compass; Carrying petroleum in Bulk.

RADAR Equipment (State if fitted) Yes. State Type or Pattern No. Type 1412A S.W. No. 260. State Name of Maker and/or Supplier. Marconi.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	63.0.7	AEQ	3390	22/7/52
	2nd "	63.0.21	AEQ	3410	24/7/52
	3rd "	53.2.0	AEQ	3253	30/5/52

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 117.5 ft., R.Q.D. 1 ft., Bridge 39.75 ft., Forecastle 57.0 ft.

(in feet and tenths) When the Poop or Forecastle are joined to the B.D., this should be distinctly stated. Official No. 185919 Signal Letters GNYC. Extreme Breadth over Belting 74'-0" Over-all Length 555'-0" (Circ. 1611)

No. and Material of Decks One deck steel.

Parts of Bottom of Vessel coated with cement or approved composition Four Peak tank and aft peak tank, cement on bottom and cement washed elsewhere; D.B. Fuel tank, cement fillets at bottom, and cement wash elsewhere.

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank, fms. 202 to fore.	✓	235
Double bottom, under Engines and Boilers,			After peak tank, fms. 1-10	✓	141
Double bottom, if under Engines only, fms. 12-49 part O.F. part F.W.	92'-6"	190	Deep tank, aft, O.F.C.B. fms. 49-53	10'-0"	736
Double bottom, if under Boilers only,			Deep tank, forward, fms. 191-202	12'-9"	684
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity	3'-0"	182	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 3619

Date 9th FEBY. 1951.

Dates of Surveys held while building

(1952) APRIL 3. JUNE 16. JULY 30. AUG. 1. SEPT. 29. 30. OCT. 2. 3. 6. 8. 10. 14. 17. 20. 27. 29. 31. NOV. 3. 4. 6. 7. 10. 11. 13. 14. 17. 18. 21. 24. 25. 26. 27. 28. DEC. 1. 2. 3. 4. 9. 11. 12. 15. 17. 23. 30. (1953) JAN. 6. 7. 8. 12. 13. 19. 20. 27. 29. 31. FEB. 2. 3. 4. 5. 6. 9. 10. 11. 12. 13. 18. 19. 23. 26. 27. MAR. 2. 3. 4. 5. 6. 8. 9. 11. 12. 13. 15. 18. 20. 23. 24. 25. 26. 27. 30. APRIL 1. 2. 6. 7. 8. 10. 14. 15. 16. 17. 20. JUNE 1. 3. 4. 5. 9. 10. 11. 15. 16. 17. 18. 19. 22. 23. 24. 25. 26. 28. 29.

Total No. of Visits 118

Rpt. 1°

BEDFORD

Lithgow No. 1070

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.				
	In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam. Ins.	Speng. Ins.		Number.	Diameter. Inches.
Framing of L, L or C		✓										
Frames in Bridge 'tween Decks ...	9	3 1/2	.38 BA.									
Frames from Uppermost Continuous Deck No. 1	8	3 1/2	.45 BA.						7/8	5 1/4		
" 2	8	3 1/2	.45 BA.						"	"		
" 3	8	3 1/2	.45 BA.						"	"		
" 4	9	3 1/2	.43 BA.						"	"		
" 5	9	3 1/2	.49 BA.						"	"		
" 6	10	3 1/2	.43 BA.						"	"		
" 7	10	3 1/2	.51 BA.						"	"		
" 8	11	3 1/2	.43 BA.						"	"		
" 9	11	3 1/2	.49 BA.						"	"		
" 10	11	3 1/2	.56 BA.						"	"		
" 11	12	3 1/2	.45 BA.						"	"		
" 12	12	3 1/2	.49 BA.						"	"		
" 13	13 1/2	4	.50 BA.						"	"		
" 14	15 x 4 x 4 x 50/62 Chnl.								"	"		
" 15	17 x 4 x 4 x 46/68 Chnl.								"	"		
" 16	17 x 4 x 4 x 56/68 Chnl.								"	"		
Reminders and												
Spacing of Longitudinal Frames Amidships	33	30										
At Ends	33											
Double Bottoms L or C Tank Top Longitudinals Bottom " Amidships At ends...												
Side Transverses.												
Depth and Thickness	42	x .46										
Face Angles	6	x .50										
Lugs to Shell*	EW.											
Depth and Thickness	42	x .43										
Face Angles	6	x .50										
Lugs to Shell	EW.											
Depth and Thickness	52	x .46										
Face Angles	9 x 82	Centre		9 x 58	Wings.							
Lugs to Shell*	EW.											
Back Bars												
Stiffers	7	x .43	Plts.									
Spacing of Transverse Frames ..	12'-6"	- 10'-0"	- 12'-6"									
* State if joggled or livers.												
Longitudinal Beams of L or E												
Bridge Deck	8	3	.40 BA.									
Upper " "	10	.43	BP.									
Second " "	10	.43	BP.									
Third " "												
Spacing.												
Plate.												
Face Angles.												
Any departure from Approved Plans to be Noted.												
12 x 3 1/2 x 3 1/2 x 50/60 Chnl.												
38 x .44 Face plate 8 x .56 Stiffers 6 x .43 Plt.												
38 x .44 " " 4 x .44 " 6 x .43 "												

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, &c., 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, &c., on the first page.

Scavenging Air Blowers, No. 2

How driven

MAIN ENGINE

Have they been made under survey

DIESEL - YES

Engine Nos.

STEAM-46641 & 46643. DIESEL-332499

0119 3/3