

$17' - 2\frac{1}{4}$

VESSEL UNDOCKED 28/11/51.

Spacing...

112. 496

	5	3	35	✓
			© 2021	
		24	✓	
5	6	3	28	108
angle.	5	3	40	124
			Loyas	
		24	✓	
			Church	

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	CONT. LONGIT.	✓	Stringer Plate, breadth and thickness in way of Bridge	—
" in 'tween Decks, Size and Spacing	O.T. BHD (P&S)		Thickness of Plating abreast Deck openings in way of Wells	—
" " " " " " " "	IN WAY		Thickness of Plating abreast Deck openings in way of Bridge.....	—
" in Holds " " " "	OF OIL ✓		Thickness of Plating within line of opening34 ✓
" " " " " " " "	TANKS.		If Sheathed, material and thickness.....	—
LONGIT. O.T. Bulkhead. (P. & S.) Stiffeners and Spacing 24" spacing { TOE WELDED ANGLE 24" " }	6 3 .36 ✓ 6 3 .42 ✓ NO 4 TANKS. .36 ✓		Third Deck. Stringer Plate, breadth and thickness.....	—
Plating, thickness of			If Plated, state thickness	—
STRINGERS AND DECKS.			Fourth Deck. Stringer Plate, breadth and thickness.....	—
Uppermost Continuous Deck.			If Plated, state thickness.....	—
Stringer Plate, breadth and thickness in Wells	48 .56 .70 AT POOP FR.	✓	Stringer Plate, breadth and thickness.....	—
" " " " in way of Bridge	48 .70 45" in breadth	✓ approved	If Plated, state thickness.....	—
" Angle in Wells	6 6 .56 ✓	✓	Poop Deck. Stringer Plate, breadth and thickness.....	.40 — .44 ✓
Thickness of Plating abreast Deck openings in way of Wells45 ✓ AND AS APPROVED.	✓	Plating, Sheathing, material and thickness49/30 - O.P. 2½ WHERE EX
Thickness of Plating abreast Deck openings in way of Bridge.....			Bridge Deck. Stringer Plate, breadth and thickness.....	.25 ✓
Thickness of Plating within line of openings...			Plating, Sheathing, material and thickness25 - O.P. 2½ WHERE EX
If Sheathed, material and thickness.....	—		Forecastle Deck. Stringer Plate, breadth and thickness.....	.26 - .32 ✓
Second Deck. IN WAY DRY CARGO HOLD	.34 ✓		Plating, Sheathing, material and thickness...	.30 - .40 UNDER WIND WITH H" O.P. ✓

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.		STRAP LAP
	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.....	43	.68	.53	.53		DOUBLE ✓	3/4	2 6/9					
„ Dblg. (if any)	—												
Bottom Plating, No. of Strakes ... TWO	95	.47	.39	.41		DOUBLE ✓	3/4	2 6/9					
Bilge Plating, No. of Strakes ... ONE	75	.47	.39	.41		DOUBLE ✓	3/4	2 6/9					
Side Plating, No. of Strakes ... ONE	75 1/2	.45	.39	.39		DOUBLE ✓	3/4	2 6/9					
Upper Deck, Sheer- strake in Wells.....	66 1/2	.68	.39	.39	approx 95" x 60"	DOUBLE ✓	3/4	2 6/9					
Upper Deck, Sheer- strake in Bridge ...	—					—							
Strake below Sheer- strake in Wells.....	78	.45	.39	.39		DOUBLE ✓	3/4	2 6/9					
Strake below Sheer- strake in Bridge ...	—			.54		—							
Poop Side Plating.....	—	—	—	.31		DOUBLE & SINGLE ✓	3/4	3					
Bridge Side Plating.....	—	—	—	—		—	—	—					
Forecastle Side Plating	—	—	.32	—		SINGLE ✓	3/4	3					

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c).....12

„ Deck next below.....—

As per Rule *approved*.....12

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any from Plans?
KEEL, Bar	F.K. ✓		STEM FOR FOR PARAVANE - BY W.M. BEARDON	
STEM	M.S. ROUNDED PLATES ✓	50" ✓	CAST STEEL. AS PER W.M. BEARDON	
STERN FRAME	Propeller Post	STEEL	APP'D PLAN GLASGOW.	
	Rudder	—		
Speed of Vessel	12 KNOTS. ✓			
RUDDER—Type	SEMI-BALANCED.			
" A × D	147 ✓			
" Diam. of head	7½ ✓			
" Mainpiece at top pintle	C.S. ✓	AS PER W.M. BEARDON		
"		APP'D BY CO.		
" " heel	C.S. ✓	PLAN. GLASGOW.		
" how constructed	RIVETED STEEL PLATES	CAST STEEL FRAME ✓		
" double or single plate	DOUBLE ✓			
" coupling, vertical or				
" horizontal	HORIZONTAL. ✓			

		Plating Thickness.	STIFFENERS.				
			VERTICAL.		HORIZONTAL.		
			Scantlings.	Spacing.	Scantlings.	Spacing.	
all stiffeners shown are toe welded ordinary angles.							
MIDSHIP	BULKH'D,	CENTRE TANKS Upper 'tween decks	36 ✓	6 x 3 x .38 ✓	24 ✓	—	—
"	"	SIDE TANKS. Second	34 ✓	6 x 3 x .46 ✓	28 ✓	—	—
"	"	Third	—				
"	"	Holds	30 ✓	4 x 3 x .30 ✓	24 ✓	—	—
COLLISION	"	(in Hold)	30 ✓	4 x 2½ x .30 ✓	24 ✓	6" on in way of	
AFTER PEAK	"						

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) open hearth
Colvilles Ltd. Dorman Long & Co Ltd. Steel Co. of Scotland Ltd.
Consett Iron Co. Ltd. South Durham Steel & Iron Co. Ltd.
 Has the Steel been tested as required by the Rules? YES. ✓

EQUIPMENT No. 18535												LETTER S.	ANCHORS.		
Deposited or of be Note.	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.	lbs.	Cwts.			
1	1st Bower	45	2	—	—	—	—	39	11	1	—	—	Byles Improved	—	LOW WALKER 13-12-50 - R. J. VOGAN ✓
2	2nd "	45	1	21	✓	—	—	39	11	1	—	—	Byles - Cast	—	LOW WALKER 12-12-50 - R. J. VOGAN ✓
	3rd "	38	1	14	✓	—	—	34	14	2	21	—	Steel head.	—	LOW WALKER 13-12-50 - R. J. VOGAN ✓
	Collective weight	129	1	7								110 ✓			
	Stream	11	3	18	2	1	7	13	7	2	—	10 ✓	Primary Admiralty Pattern - cast steel	BRIND LEMMON & Co. Ld.	CARDIFF 19-4-51 - F. W. DAVY ✓

CHAIN CABLES.										HAWSERS AND WARPS.									
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.	Diam.					Length.	Cir.		Length.	Cir.	
270	1 15/16	94	10	558-2-19	511 1/2	240	1 13/16	SP. STEEL FLORETT STUD LINK	1 13/16	NORTH BRITISH EL. WELDING CO. LD.	GLASGOW - 20-11-50 L.L. WRIGHT. ✓		TOWLINE	90	5 W.R.	33.2	90	5 W.R.	
										WAGLESS SHACKLES.				20	5 W.R.	13.2	20	5 W.R.	
														20	5 W.R.	10.8	20	5 W.R.	
90	5/16	31	10	60-3-16	59	75	1 13/16	SP. STEEL GRIPPER G.W.E.C. STUD LINK	1 13/16	WOODHOUSE LTD.	CRADLEY HEATH 14-12-50 - H. PHILLIPS		HAWSERS & WARPS	90	5 W.R.		90	5 W.R.	

Alternative Means of Steering **TWO INDEPENDENT PUMPS** ✓
 Windlass **STEAM BY CLARKE CHAPMAN & Co. Ld.** ✓
 Boats **STEEL - 1 MOTOR & 3 ORDINARY - TOTAL 132 PERSONS** ✓
 plus one Admiralty Cutter

Cargo Battsens, thickness, material and spacing
 Thickness of Hatches **steel .50"**
 Shifting Beams
 re and Afters

FOR AND ON BEHALF OF
THE CALEDON SHIPBUILDING & ENGINEERING CO. LTD.
 Builder's Signature **J. I. O'Leary**
 DIRECTOR

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**
 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).
 has been built under Special Survey in conformity with the Society's Rules & Regulations and the penultimate letters of the scantlings and arrangements of steel as given in the report and as shown and amended on the approved plans now forwarded. All modifications or additions to the original approved plans made during construction have been indicated on the plans and have been approved as being in accordance with or by standards equivalent to the rule to the plans of midship section and profile and decks showing the ship as built now forwarded herewith have been checked with the approved arrangements and rules. The workmanship and materials are good. The double bottom tanks, cofferdams, deep tanks, fore & aft tanks, W.T. Bulkheads, Decks, W.T. Doors, Hand pumps, Hand valves, Windlasses and steering gear have been tested in accordance with the rules with satisfactory results.
 board markings were verified and cut in on each side of the ship
 oil carried in the following deep tanks:- Centre no.1 (frs. 53-59) - Centre no.2 (frs. 72-84) - Centre no.3 (frs. 84-96) - Centre no.4 (frs. 96-106) - Side (p.w.s.) no.1 (frs. 53-65) - Side (p.w.s.) no.2 (frs. 72-84) - Side (p.w.s.) no.3 (frs. 84-96) - Side (p.w.s.) no.4 (frs. 96-106) (cargo) frs. 66-71 (p.w.s.).
 oil carried in the following deep tanks. Centre frs. 43-52 - side (p.w.s.) frs. 43-52.
 none of the rule reqts. have been complied with in regard to the "as fitted" plan of General Pumping Arrangement now forwarded.

Amount of Entry Fee..... £ : : Fees applied for, 24.12.1951
 Special Survey Fee..... £565: - : - Received by me, 19
 Travelling Expenses, if any £21: - : -
 whether the Vessel has been built under Special Survey **YES.**
 Date of issue **13/2/52**
 Signature **S. Bowman**
 Surveyor to Lloyd's Register of Shipping.

Classification **+ 100 A1.**
 Certificates **11, 51. DUN.**
 Carrying Petroleum in bulk
 Longitudinal framing at bottom & at deck
 Fitted for oil fuel 12, 51. F.P. above 150°F.
 0182 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 the Plans should be embodied.)

- no sister vessel
plans enclosed
✓ midship sections as approved & as built (2 plans)
✓ Profile & Decks as approved & as built (2 plans)
✓ scheme of welding.
✓ Keel and Centre Girder
✓ Shell plan.
✓ Oil Fuel Bunkers.
✓ Longitudinal Bulkheads.
✓ Aft End Framing
✓ Stern Frame and Rudder as appd. & as built (2 plans)
✓ Ball and Chain P/V Equipment.
✓ Broad Cofferdam & Deep Tank.
✓ Fore End Framing
✓ Finished length of Rudder Stock.
✓ Web Frames & Stringers in E. Room.
✓ General Pumping arngt. as appd and as built (2 plans)
✓ O.T. Hatch Covers.
✓ Domestic Cold Stores.
✓ Steering Gear Seats.
✓ mod. to suit Sea Inlets.
✓ openings at Sea Inlets.
✓ Tank Top & Engine Plating
✓ Tools Ok. Hatch & Trunk.
✓ Fore and Aft Gangway Capacity Plan.

Certificates enclosed:-

Stern Frame - Glasgow no 21474A 14/11/50
Rudder Frame - " no 21474B 17/1/51
Rudder Stock - " no 21762 17/1/51
Riller - Sunderland no 8874 21/11/51
Trunnion - " no 8870 14/11/51
Stem forefoot - Glasgow no 21474 30/11/51
Windlass - Newcastle no C 34808 31/1/51

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of keel, shell, Decks, Engine Girders etc. Bld p to bld, Bld plans & butts, T & Beam butts to bld, Bld frames to bld, Horizontal girders and stringers to bld, Cargo Hatches, Bilge keel to shell, belting flat bars to shell, crippling butts, Fra to shell clear of bilge, transverse bld to shell and longitudinal bld in way of centre tanks, minor items.

Radiographs were taken and examined of a number of welded butts of keel, shell, Decks, etc, with satisfactory results.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

Carrying petroleum in bulk - machy aft - Cruisers stern - fast elect. welded - Lloyd's
A. & C.P. - E.S.D. D.F. - RADAR - F.K. - longitudinal framing at bottom & at deck -
fast cement. 12 bulkheads - 10K, 2nd OK clear of Cargo Tanks

RADAR Equipment (State if fitted) YES ✓

State Type or Pattern No. 1598

State } Maker Decca Radar Ltd
Name } and/or
of } Supplier London

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

1st Bower	28c. 1qr. 14lbs. ✓	D.F.P.	4345	19.10.50
2nd "	28c. - 14lbs. ✓	D.F.P.	4347	19.10.50
3rd "	23c. 1qr. 7lbs. ✓	D.F.P.	4382	30.8.50

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 96 ft., R.Q.D. — ft., Bridge 34 ft., Forecastle 5 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 184537 Signal Letters MMFF Extreme Breadth over Belting 46'-3 1/4" ✓ Over-all Length 286.4
(Circ. 1611) (Circ. 1703)

No. and Material of Decks ONE - 2nd Deck clear of Cargo Tanks - steel.

Parts of Bottom of Vessel coated with cement or approved composition Cement fitted in the following Tanks - D.B. Feed Tank in Boilers and Dry Tank in Engine Room. Bitumastic enamel in fore & aft Peaks, FRO Cofferdam, FRO Deep Tank.

Particulars of composition (if fitted) and of approval as above.

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water
Double bottom, aft,	Feet.	Tons.	Fore peak tank,	Feet.	
Double bottom, under Engines and Boilers	—	—	After peak tank,	23.64	
Double bottom, if under Engines only DRY TANK. N.T. COMPT. FRS 10-30	40	—	Deep tank, aft,	13.33	
Double bottom, if under Boilers only RESERVE FEED FRS 30-42	24	F.W.	Deep tank, forward,	32.00	2
Double bottom, forward, W.T. COFFERDAM FRS 42-43	2	—	Other tanks, if fitted, OIL FUEL BUNKERS. FRS 43-52	18.00	0
Total length (if continuous) and Capacity	66 ✓	—	(If necessary furnish further information by sketch.)	—	

Order for Special Survey No. 1036

Date 26th AUG. 1949

Dates of Surveys held while building

1950. Mar. 20 - MAY 11 - JUNE 7. 13. 21. 29 - JULY 2. 12 - AUG. 8. 10. 18. 22. 30 - SEPT. 5. 11. 14. 19. 21. 27. 29. OCT. 3. 6. 10. 12. 16. 19. 21. 23. 27. 30 - DEC. 4. 11. 15. 19. 22. 26. 29 - 1951 JAN. 4. 8. 12. 17. 22. 26. 30 - FEB. 2. 6. 9. 15. 19. 23. 27. 29. MAR. 2. 6. 9. 13. 14. 20. 21. 22. 23. 26. 27. 28. 29. 30. - APRIL 3. 4. 5. 9. 11. 13. 16. 17. 18. 20. 21. 23. 24. - MAY 7. 24 - JUNE 14. 28 - JULY 4. 11. 16. 28. - AUG. 2. 8. 14. 16. 28. - SEPT. 7. 12. 19. 24. 25. 27. - OCT. 3. 4. 5. 8. 10. 13. 15. 17. 25. 26. 30. 31. - NOV. 6. 9. 14. 15. 16. 20. 22. 26. 30. - DEC. 2. 3. 5. 6. 7.

Total No. of Visits 11

R.F.A. "EDDY BEACH"
PARTICULARS OF LONGITUDINAL FRAMING.
PAGE 5
DUNDEE REPORT NO 9825.

JAN 1952

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.	Speng.		Number.	Diameter.	
of L, L or C													
on Bridge 'tween Decks ...													
from Uppermost Continuous													
No. 1													
" 2													
" 3													
" 4													
" 5													
" 6													
" 7													
" 8													
" 9													
" 10													
" 11													
" 12													
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udinal	At Ends												
mes													
Tank Top Longitudinals													
Bottom													
Longitudinals													
Amidships													
At ends...													
Transverses.													
Depth and Thickness													
Face Angles													
Lugs to Shell*													
BRACKETS													
Depth and Thickness													
Face Angle													
Lugs to Shell*													
BRACKETS													
Depth and Thickness													
Face Angles													
Lugs to Shell*													
" " Back Bars													
Brackets													
of Transverse Frames...													
ate if joggled or liners.													
al	Bridge Deck												
Upper	CENTRE												
Second	"												
Third	"												

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.

