

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				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			
" " " " " "				Thickness of Plating abreast Deck openings in way of Bridge			
" in Holds " " " "				Thickness of Plating within line of openings...			
" " " " " "				If Sheathed, material and thickness.....			
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing				Stringer Plate, breadth and thickness.....			
Plating, thickness of				If Plated, state thickness			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells		96 x 1.19.	P. 403 plating	If Plated, state thickness.....			
" " " " in way of Bridge		96 x 1.38	P. 403 plating	Poop Deck.			
" Angle in Wells		8 x 8 x 1.125.		Stringer Plate, breadth and thickness.....		51 x 80 G. 42.	
Thickness of Plating abreast Deck openings in way of Wells		1.19.	P. 403 plating	Plating, Sheathing, material and thickness36.	
Thickness of Plating abreast Deck openings in way of Bridge.....		1.19.	P. 403 plating	Bridge Deck.			
Thickness of Plating within line of openings...		1.19.	P. 403 plating	Stringer Plate, breadth and thickness.....		72 x .36	
If Sheathed, material and thickness.....				Plating, Sheathing, material and thickness36	
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells				Stringer Plate, breadth and thickness.....		50 x .48.	
				Plating, Sheathing, material and thickness...		.36 wood in way of windows.	

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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.									
Flat Plate Keel..... A	84	1.22	1.22	1.22	P. 403 plating.	welded	-	-					
„ Dblg. (if any)	-												
Bottom Plating, No. of Strakes 5. A, B, C, D, E, F	B = 72 C D = 87 1/2 E, F = 84 1/2	1.16	.57	.57	P. 403 plating.	welded except D, E & F & G which are double	1 1/8	4 7/8					
Bilge Plating, No. of Strakes 2. G, H	G = 39 1/2 H = 82 1/2	1.16 1.00	.57 .57	.57 .57	P. 403 plating.	Double	1 1/8	4 7/8					
Side Plating, No. of Strakes 3. I, J, K		.80	.57	.57		Flg. K welded K & L TREBLE	1	3 3/4					
Upper Deck, Sheer- strake in Wells.....	88	1.24	.57	.57	P. 403 plating.	-	-	-					
Upper Deck, Sheer- strake in Bridge ...	88	1.24	.57	.57	P. 403 plating.	-	-	-					
Strake below Sheer- strake in Wells.....		.80	.57	.57		Double	1 1/8	4 7/8					
Strake below Sheer- strake in Bridge80	.57	.57		Double	1 1/8	4 7/8					
Poop Side Plating.....		-	-	.51	Forward plate 1.00	One plate	-	-					
SET IN Bridge Side Plating.....		.51	-	-	75 seam	Single	7/8	3 3/4					
Forecastle Side Plating		-	.51	-									

All butts of shell welded.

FORGINGS AND CASTINGS.

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—
 Extending to Upper Deck (Sec. 3 c)
 „ Deck next below.....
 As per Rule..... *Tam*

		Plating Thickness.	VERTICAL.		HORIZONTAL.	
			Spacing.	Scantlings.	Spacing.	Scantlings.
MIDSHIP BULKH'D,	Upper 'tween decks	TOP .487 x .52 BOTTOM .544 x .62	9 x 3 1/2 x .46 B.A. TOE ON WELDED SPACED 30" (TOP) 10 x 3 1/2 x .50 B.A. TOE ON WELDED SPACED 30" (BOTTOM)	4 HORIZONTAL GIRDS AS APPROVED.		
"	Second "					
"	Third "					
"	Holds	34 1/2 x .61	6 x 3 1/2 x .46 9 8 x 3 1/2 x .44 OA TOE ON WELDED 8 x 3 1/2 x .40 TOE ON WELDED OA.	30" 30"	FLATS AND STRINGERS AS APPD. 8 x 4 x .50 TOE ON WELDED OA FLATS & STRINGER	
COLLISION	(in Hold) "	Surplus .36 .42 G-59				
AFTER PEAK	"					

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Details from Approved Plans to be followed.
KEEL, Bar				
STEM	Fashion plate. .85 to .57			
STERN FRAME	{ Propeller Post { Rudder	STEEL CASTING AS APPD.	A/S STRÖMMER VERKSTAD.	
Speed of Vessel	15 KNOTS.			
RUDDER—Type	Semi-balanced.			
" A x D.	1074.			
" Diam. of head	16 3/8 Casting by A/S. STRÖMMER VERKSTAD.			
" Mainpiece at top pintle	-			
" " heel	-			
" how constructed	welded			
" double or single plate	double			
" 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, if any).
South Durham Steel & Iron Co - Skinningrove Iron Co - Gorman Long - Consell's Iron Co - Colvilles Ltd - Cargo Fleet Ironworks.

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

6052.	2nd	187	1	14	112	1	7	80	7	2	0	COLLECTIVE WEIGHT	390 CWTs.	- do -	- do -	- do -	- do -	- do -	- do -	WATERLOO HILL. 71. 5. 54. H.M.
	3rd													- do -	- do -	- do -	- do -	- do -	- do -	

Rpt. 1°.

Messrs Furness S.B. Co. Ltd. Yard No 462. "MELIKA"

PARTICULARS OF LONGITUDINAL FRAMING.

25 OCT 1964

Middlesbrough Report No. 20310

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, T or E	Ordinary angles toe on & flanged plates.												
Frames in Bridge 'tween Decks ...	Transverse framing												
Frames from Uppermost Continuous													
No. 1	10	4	.54	OA									
" 2	10	4	.54	OA									
" 3	8	4	.44	OA									
" 4	8	4	.44	OA									
" 5	9	4	.44	OA									
" 6	10	4	.44	OA									
" 7	11	4	.44	F.P.									
" 8	11	4	.46	F.P.									
" 9	12	4	.44	F.P.									
" 10	12	4	.46	F.P.									
" 11	13	4	.44	F.P.									
" 12	13	4	.46	F.P.									
" 13	14	4	.44	F.P.									
" 14	14	4	.46	F.P.									
" 15	15	4	.44	F.P.									
" 16	17	4	.44	F.P.									
" 17	18	5	.50	F.P.									
" 18-30	18	5	.60	F.P.									
Tank Top Longitudinals	Transverse floors in machinery space.												
Bottom													
Longitudinals													
Transverses.													
Depth and Thickness	Transverse framing.												
Face Angles													
Lugs to Shell*													
Depth and Thickness	41" (TOP) TO 57" x .48"												
Face Angles	FLAT. 12 x .48												
Lugs to Shell*	WELDED.												
Depth and Thickness	57" x .50 (CR) .48 (WINGS)												
Face Angles	FLAT. 10 x .48												
Lugs to Shell*	WELDED.												
" " Back Bars													
Brackets	AS APPD.												
of Transverse Frames...	120"												
Bridge Deck	8 x 3 x .40 BA. (RIVETED)										Spacing.	30"	
Upper	10 x 4 x .54 O.A. (TOE ON WELDED)										30"		
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.

+LMC 10.54 (With Torsional End?)

2 WTB 690 lb. 15.4 15.4

Roll

CHAIN CABLES.

earing Gear, Type (Power ~~or hand~~)

Hele-Shaw martineau Electric hydraulic
by John Hartee and Co.

Alternative Means of Steering *Independent motors*

Engineering Chains (Size and Test)

Windlass *Steam by Emerson Washburn*

Holds, thickness and material

chways.—(Upper Deck) *4'-0" dia 30" x 9/16" Coaming*

Cargo Battens, thickness, material and spacing... 6"x2" W. Wood

181002 HOLD
atchways No. 1 (Fwd.) 20'-0" x 13'-6" No. 2

Thickness of Hatches. *.52 " Steel lids on cargo hatches*

of Shifting Beams Fore and Afters

	No. 4	No. 5	No. 6
Hatch to fore hold in fore-castle	Has 1 shifting beam & 3 3/8" wood covers, cleats & battens etc		
" " " " " on " "	" hinged steel lid .50" and suitably stiffened.		

Builder's Signature

For FURNESS SHIPBUILDING CO LTD

DIRECTOR

AL 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. *oil tanker* *Yes*

Yes.

in conformity with the Society's Rules and Regulations and Secretary's letters. The plans and arrangements of the ship are as given in the report and as shown and approved on the approved plans now forwarded. All modifications or additions to the approved arrangements 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 requirements. The plans of midship section and profile and deck plan are as built which will be forwarded. The workmanship and materials are good. The hull is covered in 10 main central tanks and 20 wing tanks. Oil fuel may be carried in the deep tanks forward, and in deep bunkers and settling tanks at fore and aft. (F.P. above 150°F.). The main cargo tanks, ballast tanks, double bottom tanks and peak tanks have been fitted in accordance with the Rule requirements and found good. The weather decks, clear of cargo, are in good order. The positions in which oil is carried as fuel or cargo should be noted in the report. (where required to be inserted in the Notation). This ship has been built under special license from the Society of Naval Architects and Engineers, London.

U.T. doors & superstructure bulkheads have been hose tested with satisfactory results. Gear (independent motors) windlass & anchors & cables, have been tested at sea working conditions & found satisfactory. Freeboards as assigned have been on the vessels sides, verified, and Liberian freeboard certificates issued.

ERIAN FREEBOARD

Amount of Entry Fee.....	✓ £ 50-0-0	Fees applied for, 22-10-1954
ERIAN TONNAGE FEE	270-0-0	
Special Survey Fee.....	✓ £ 2552-0-0	Received by me, 10
ERIAN SAFETY CERT FEE.	38-0-0	
Travelling Expenses, if any	£ - - -	

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed **† 100A1.**
"CARRYING PETROLEUM IN BULK"

Signature J. P. Scott and T. A. Blagden
Surveyors to Lloyd's Register of Shipping.

TUESDAY DEC 1954

+100 A1 Carrying Petroleum in Bulk.
9.54 Shl. Fitted for oil fuel 10.54 F.P. about 150°F.

+ LMC 10.54 (With Torsional End)
2 WTB 690 lb. (Spt. 675 lb.) CH

SRL

© 150°F.



Lloyd's Register
Foundation

No sister ship.

Aluminum alloy is used in the construction of the warehouse.

The vessel was dry docked on the Tyne prior to sea trials, and sustained
 contract damage during docking. (See Newcastle report No 111781.) Herewith

The vessel has also been built to the highest class of the American Bureau.

hibinian tonnage, safety, and loadline certificates have been issued by the Society.

Vessel undocked. Sept 16th 1954

Vessel handed over October 14th 1954.

PARTICULARS OF ELECTRIC WELDING (if employed) *Seams of bottom shell except 'D' to 'E' & seams of side shell ex-*
'K' to 'L' and 'M' to 'N' which are riveted. Seams of strength deck except seam adjacent to F & A bulkhead -
and butts of poop & bridge - see internal structure of cargo tanks and bunkers, double bottom
and peaks - Turbine casings - deckhouses - cargo hatches to deck - rudder.
Electric welding is also used in parts of ship of non-structural importance.
All electrodes approved and welding satisfactory.

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

Longitudinal Framing - part electric welded - cruiser stern.

Radar - Gy. C - E. S. D.

Letter to Mr. Paul

RADAR Equipment (State if fitted).....Yes.

State Type or Pattern No. Type e.r. 104.

State } Maker *Radiomarine Corporation*
Name } and/or
of } Supplier *of America.*

		WR. HEAD & PINS.			
Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	86. 0. 21.	✓	J. C.	3653. 22-8-47.
	2nd „	87. 0. 7.	✓	J. C.	3649. 13-8-47.
	3rd „	86. 0. 21.	✓	J. C.	3654. 22-8-47.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 127 ft., R.Q.D. ✓ ft., ^{SET IN} Bridge 43 ft., Forecastle 83.25

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

Official No. 408. Signal Letters ELMA. Extreme Breadth over Belting 87.35 Over-all Length 661.58'
(Circ. 1611) (Circ. 1703)

No. and Material of Decks one deck. Steel.

Parts of Bottom of Vessel coated with cement or approved composition. *no cement. F&A peels & Shell in way of*
double bottom tanks in engine space coated with bituminous solution & enamel.

Particulars of composition (if fitted) and of approval readers done

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,			Fore peak tank,	FRS 123 TO BOW.	
Double bottom, ^{AFT} under Engines and Boilers, FRS 16-58	92'	322 F.W.	After peak tank,	FRS 1 TO 12.	
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	FRS 102 TO 123.	
Double bottom, forward,			Other tanks, if fitted,	FRS 54-60 O.F. BUNKERS.	
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 1654

Date 22-5-51

Dates of Surveys held while building

1952. 1953
 Aug. 29 Oct. 6 8 10 15 16 20 22 23 24 28 29 30 31 Nov. 3 5 6 10 11 Dec. 2 3 12 23 30 Jan. 5 9 1
 19 20 22 23 26 29 30 Feb. 2 3 5 6 9 12 16 17 18 19 20 23 25 Mar. 2 3 4 5 10 11 13 17 18 19 20
 Apr. 1 7 9 10 14 16 17 20 24 28 29 May. 5 8 11 12 14 20 21 22 29 June. 4 8 9 10 12 15 17 18 19 23 24 25
 July. 13 16 9 13 15 14 21 23 Aug. 10 13 14 17 18 20 21 24 25 27 28 Sept. 2 8 9 10 11 15 16 17 18 21 23 24
 28 29 30 Oct. 1 2 5 7 8 9 12 13 14 15 16 19 20 21 22 23 26 28 30 Nov. 2 3 5 6 9 10 11 12 13 16 17
 19 23 24 25 26 27 30 Dec. 1 2 3 4 7 8 9 10 11 13 14 15 16 17 18 19 20 31 (1954) Jan. 11 29 Feb.
 19 24 25 26 Mar. 1 3 5 11 16 22 25 30 Apr. 2 7 8 14 21 May. 6 10 12 12 17 18 20 21 24 25 28 31 Jun.
 2 3 8 14 21 22 23 28 29 30 July. 1 7 9 12 15 22 Aug. 9 10 11 16 19 20 23 Total No. of Visits 27
 26 27 Sept. 1 2 3 4 6 7 8 9 10 11 12 23