

STEEL ~~STEAMER~~ or MOTORSHIP.

Received at London Office

State if Report has been sent on the Freeboard of the Vessel *yes*State if Report is sent on the Machinery of the Vessel *yes*Date of completion of report *26 May 1938*Port of *Leith*No. *19587*Survey held at *Leith*Date First Survey *4<sup>th</sup> February 1937*Last Survey *20<sup>th</sup> May 1938*On the *Steel Twin Screw Motor Ship "A.A. COWAN"*machinery *ast.*State Type *without tonnage opening*State Type of Erections *RQD "Focle"*TONNAGE under Tonnage Deck... *213.71*CLASS *A1* WITH FREEBOARD FOR SERVICE IN THE GULF OF GUINEABuilt at *Leith*

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a)

L *125.0*Launched *1-12-37*Yard No. *242*Total *213.71*

Breadth (greatest moulded)

B *24.0*Builders *Henry Robb & Co.*Gross Tonnage *294.73*

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

D *9.5 main D 12.5 RQD*Owners *The United Africa Co. Ltd.*Register Tonnage *133.20*

1st Longitudinal Number (L x D) =

2nd Numeral L x (B + D) =

Managers

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

## REGISTERED DIMENSIONS. FEET.

Length *126.25*Breadth *24.22*Depth *8.85*

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

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

Do. Long Bridge to top of keel

Draught Moulded

*7-11 5/8*

If surveyed while building, afloat, or in dry dock

*While building - (finally afloat in dry dock)*

## 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.
FRAMES, Spacing amidships	<i>24</i>	<i>✓</i>	Bracket Floors, Frame		
" " from $\frac{3}{8}$ length amidships to Collision bulkhead	<i>24</i>	<i>✓</i>	" " Reversed Frame		
" " in peaks	<i>18</i>	<i>✓</i>	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, [ or ]	<i>4 2 1/2 .31</i>	<i>✓</i>	" " top Angles		
" " Extends up to	<i>deck</i>	<i>✓</i>	" " bottom Angles		
Reversed Frame Amidships, Angle	<i>none</i>	<i>✓</i>	Side Girders, No. each side and thickness		
" " Extends up to	<i>none</i>	<i>✓</i>	Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	<i>4</i>	<i>✓</i>	" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	<i>none</i>	<i>✓</i>	" " Bracket abaft $\frac{1}{4}$ len. from stem		
" " Second 'tween Decks, Angle, [ or ]	<i>none</i>	<i>✓</i>	" " Vertical Angle to Tank side		
" " Third TORQD " 5 "	<i>5 2 1/2 .31</i>	<i>✓</i>	" " Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " from $\frac{1}{4}$ len. for'd. to 15% len. from Stem	<i>4 2 1/2 .31</i>	<i>✓</i>	" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " in Peaks, Angle or [	<i>4 2 1/2 .31</i>	<i>✓</i>	" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>5/8 7 diam C.B.C.</i>	<i>✓</i>	Tank Side Brackets, height above base line at toe of Frame and thickness		
State if Frame Joggled	<i>yes</i>	<i>✓</i>	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>yes</i>	<i>✓</i>	Breadth and thickness of Middle Line Strake		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>yes</i>	<i>✓</i>	Thickness of remainder in Holds		
SINGLE BOTTOM.			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?		
Floors, Depth and thickness at mid-line in Holds	<i>12 .25</i>	<i>✓</i>	BEAMS.		
Height of Brackets at side above base line at toe of frame	<i>none</i>	<i>✓</i>	Uppermost Continuous Deck, amidships	<i>3 2 1/2 .25</i>	<i>1/2 beams</i>
Middle Line Keelson, on Floors, Angles, [ or ]	<i>3 3 .31</i>	<i>double</i>	" " in Wells, Angle, [ or ]	<i>4 2 1/2 .26</i>	<i>through beams</i>
" " " Through Plate or Intercostal Plate	<i>15 .26</i>	<i>✓</i>	" " in way of Bridge, Angle, [ or ]	<i>5 2 1/2 .31</i>	<i>in way of</i>
" " " Foundation Plate on Floors	<i>✓</i>	<i>✓</i>	" " Spacing	<i>run frame</i>	<i>✓</i>
" " " Flat Plate Keel Angles	<i>3 3 .31</i>	<i>double</i>	Second Deck, amidships, Angle, [ or ]		
Side Keelsons, No. each side	<i>one</i>	<i>✓</i>	" " Spacing		
" " thickness of Intercostal Plate	<i>.22</i>	<i>✓</i>	Third Deck, amidships, Angle, [ or ]		
" " Angles	<i>Top 3 3 .31 single Bottom 2 1/2 2 1/2 .25 single</i>	<i>✓</i>	" " Spacing		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, [ or ]		
Solid Floors, thickness and spacing			" " Spacing		
" " Are Frame and Reversed Frame joggled?			POOP Deck, Angle, [ or ]	<i>3 2 1/2 .25</i>	<i>1/2 beams</i>
Bracket Floors, breadth and thickness at middle line			" " Spacing	<i>5 4 2 1/2 .26</i>	<i>through beams</i>
" " breadth and thickness at margin plate			Bridge Deck, Angle, [ or ]		
" " " " " "			" " Spacing		
" " " " " "			Forecastle Deck, Angle, [ or ]	<i>3 1/2 2 1/2 .25</i>	<i>✓</i>
" " " " " "			" " Spacing	<i>run frame</i>	<i>✓</i>

2/5010-88800-468900

*approved 4 1/2 x 2 1/2 x .25 angle**approved 4 1/2 x 2 1/2 x .25*© 2021  
The Register  
Foundation

# 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>					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 <i>3 1/4" dia. tubular at hatchways on center line</i>					Thickness of Plating within line of openings...				
" " " " " "					If Sheathed, material and thickness .....				
<b>Centre Line Bulkhead.</b>					<b>Third Deck.</b>				
Stiffeners and Spacing..... <i>none</i>					Stringer Plate, breadth and thickness.....				
Plating, thickness of .....					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 <i>amidships</i> 72 31 ✓					If Plated, state thickness .....				
" " " " in way of Bridge ✓					<b>RQ</b> <b>Deck.</b>				
" Angle in Wells <i>amidships</i> 3 3 31 ✓					Stringer Plate, breadth and thickness ..... 66 31				
Thickness of Plating abreast Deck openings in way of Wells <i>see stringer plate</i>					Plating, Sheathing, material and thickness <i>not sheathed</i>				
Thickness of Plating abreast Deck openings in way of Bridge ✓					<b>Bridge Deck.</b>				
Thickness of Plating within line of openings... <i>25</i> ✓					Stringer Plate, breadth and thickness.....				
<i>in way of windows</i> 31 ✓					Plating, Sheathing, material and thickness ...				
If Sheathed, material and thickness <i>not sheathed</i> ✓					<b>Forecastle Deck.</b>				
<b>Second Deck.</b>					Stringer Plate, breadth and thickness..... 36 18				
Stringer Plate, breadth and thickness in Wells... ✓					Plating, Sheathing, material and thickness ... <i>18 5/8 (3/4 under windows)</i> <i>242 Tread</i>				

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.		No. of Rows of Rivets.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL .....	41	375	375	375		Single	5/8	2 1/2	Treble	5/8	2 3/16	Lapped
" DBLG. (if any) .....	-											
BOTTOM PLATING, No. of Strakes ... <i>2</i> .....	<i>A51</i>	31	31	25	<i>375 at bowing</i>	Single	5/8	2 1/2	Double	5/8	2 3/16	Lapped
BILGE PLATING, No. of Strakes .....	<i>C50</i>	31	31	25		Single	"	"	"	"	"	"
SIDE PLATING, No. of Strakes .....	<i>D48</i>	31	25	25	<i>56 at transom</i>	"	"	"	"	"	"	"
<i>main</i> UPPER DECK, Sheer-strake in Wells.....	<i>E45</i>	43	31	31		"	"	"	Table	3/4	2 5/8	"
UPPER DECK, Sheer-strake in Bridge ...												
STRAKE BELOW Sheer-strake in Wells.....												
STRAKE BELOW Sheer-strake in Bridge ...												
<i>RQ</i> POOR SIDE PLATING ...	<i>F36</i>			375		Single	5/8	2 1/2	Double	5/8	2 3/16	Lapped
BRIDGE SIDE PLATING ...				16 31								
FORECASTLE SIDE PLATING	<i>G55</i>		22			Single	5/8	2 1/2	Double	5/8	2 3/16	Lapped

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	<i>3 B's</i>
Extending to Upper Deck (Sec. 3 c)	<i>4</i> ✓ <i>see ledger 25/11/34 E. Field</i>
" Deck next below	
As per Rule	<i>4 approved</i> ✓

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....				<i>none</i> ✓
STEM .....				<i>Roller bar 4" x 1"</i> ✓
STERN FRAME { Propeller Post				<i>forging 5" x 1 1/8" Emerson &amp; Walther Co. N.Y.</i>
{ Rudder .....				✓
Speed of Vessel .....				<i>9 1/2 knots</i> ✓
RUDDER—Type.....				<i>Balanced</i> ✓
" A x D .....				✓
" Diam. of head .....				<i>5" x 4 1/2" as per plan</i> ✓
" Mainpiece at top pintle				<i>as per plan Emerson &amp; Walther Co.</i>
" " " heel ...				
" how constructed				<i>forged, main piece, arm &amp; frame in one piece</i>
" double or single plate coupling, vertical or horizontal.....				<i>double 26</i> ✓ <i>2321</i>

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Upper tween decks					
" " Second "					
" " Third "					
" " Holds .....					
COLLISION " (in Hold) .....					
AFTER PEAK " .....					

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	<i>The Steel Company of Scotland Ltd. — Dorman Long &amp; Co. Ltd. (C. &amp; L.)</i>
	Has the Steel been tested as required by the Rules?	<i>yes</i> ✓

Lloyd's Register Foundation

EQUIPMENT No. ✓												LETTER ✓	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.			
36 886	1st Bower ...	7	2	21	✓			9	18	0	14	7 1/4	Byers Improved	Hotstated	Sunderland 11/2/37 JHB
36 887	2nd „ ...	7	3	21	✓			9	18	0	14	7 1/4	„	„	„
	3rd „ ...														
	Collective weight.	15	7	14	✓							14 1/2			
50 315	Stream .....	1	3	24		2	10	4	0	0	0	1-3-24	Trotmans	not stated	Bradley Heath 5/5/37 J.C.P.

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.	Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and size supplied.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.	Breaking Test of Steel Wire.	Length and size supplied.	Breaking Test of Steel Wire.	Length and size supplied.	Breaking Test of Steel Wire.	Length and size supplied.
	Length. Diam.	Stagn.	Break-ing.	Supplied.	Per Rule.			Length. Diam.					Length. Cir.	Tons.	Length. Cir.	Tons.	Length. Cir.	Tons.	Length. Cir.
54481	105 1	18	27	53.2 25	53 1/2			105 1	1/2	Henry Rees	Gradly 28/4/37 L.P.	TOWLINE	90 2 1/4	15.2	90 2 1/4	15.2	90 2 1/4	15.2	90 2 1/4
												HAWSERS & WARPS	90 2	8.3	90 2	8.3	90 2	8.3	90 2
Iron Stream Chain or Steel Wire	45 2 1/4			10.8				45 2 1/4											

Steering Gear, Type (Power or hand)	Hand gear only	Alternative Means of Steering	Gypsy type, by Thos Reid & Sons
Steering Chains (Size and Test)	1 1/2" dia	Windlass	Diab, by Port & Duroodary
Ceiling in Holds, thickness and material	1 1/2" Pitch Pine	Cargo Battens, thickness, material and spacing	1 1/4" P.P. 6" apart.
Cargo Hatchways.—(Upper Deck)	coaming of plates angles 2" high	Thickness of Hatches	2 1/2"
Size of Hatchways No. 1 (Fwd.)	12' x 12'	No. 2	19' x 12'
No. 3		No. 4	
No. 5		No. 6	
Number of Shifting Beams and for Fore and Afters	Nº 1 hatchway, one	Nº 2 hatchway, two	
		HENRY ROBB, LIMITED.	
	Builder's Signature	John Ashcroft	

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		
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo	no	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 motor ship is fitted for the carriage of oil as fuel, this is carried in two tanks (not part of ship's structure) at forward end of Nº 1 hold, and a daily service tank at fore end of Engine Room, there is one lubricating oil tank at starboard side of Engine Room. The oil fuel has a F.P. above 150° F.		
This Vessel has been built in accordance with the approved plans and in general conformity with the Rules. The material & workmanship are good.		
The Fore & aft peak tanks, the decks, the bulkheads, the oil fuel tanks and lubricating oil tank have been tested in accordance with the Rule Requirements with satisfactory results.		
The steering gear, the windlass & the hand pumps have been run in good working order.		
The steel plating to the stem frame is of midship rule thickness.		

The amount of Entry Fee .....	£ 3 : 0 : 0	Fees applied for, 24-5-1938.	(Special notations, where part of class, to be stated.)
Special Survey Fee....	£ 29 : 10 : 0	Received by me, 30.6.1938	
Travelling Expenses, if any £	✓		
Freeboard	4.0.0		
State whether the Vessel has been built under Special Survey	yes		
Certificate to be sent to	Leith	Date of issue	1/2/38
		Signature	Ernest Lawards
			Surveyor to Lloyd's Register of Shipping.

Committee's Minute	
Character assigned	+A1 With freeboard for service in the Gulf of Guinea
	Lloyd's arch
	1/2/38
	Oil Eng
	Lloyd's Register Foundation

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.)

The following plans are forwarded herewith :-  
For No. 242  
midship section  
Profile & Deck  
Cargo hatches  
General Arrangement.  
also two reports on forgings  
For No. 242 & 243  
Engine seating  
Steamframe & Pucader  
Propeller Brackets  
Showing welding at Propeller Brackets  
Oil fuel tanks & stiffening under.  
Brossing  
Pump for cooling water to winches  
masts  
Pumping Plan

This vessel is very similar to M.V. "Joseph Flint" (Whitbyard No. 243)  
This vessel is 11'-0" less in length than M.V. "Joseph Flint".

PARTICULARS OF ELECTRIC WELDING (if employed) Girders to floors under engines (Girders are continuous)  
Welding elsewhere confined to local parts which do not affect the structural strength of Vessel. The welding has been carried out in accordance with the Rule Requirements.

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

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

1st Bower 4-1-5 ✓ RL 5219. 20-11-36.  
2nd " 4-1-7. RL 5218. 20-11-36.  
3rd " ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. 43 ft., Bridge — ft., Forecastle 25 ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 166441

Signal Letters

Extreme Breadth over Belting 24'-3"

Over-all Length 132'-0"

No. and Material of Decks

One deck steel.

Parts of Bottom of Vessel coated with cement or approved composition

bituminous solution & enamel, except in way of machinery space where the inner bottom is coated with oil. (approved 9/9/37)

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

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,	12.8 ✓	2.6 ✓
Double bottom, under Engines and Boilers,			After peak tank,	7.5 ✓	5.5 ✓
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 1271

Date 14/12/36

Dates of Surveys held while building

1937 February 4, 10, 15, 17, 23. — March 11, 17, 18, 25. — April 1, 15, 28.  
May 6, 17, 20, 27, 31. — June 14, 21, 28. — July 1, 5, 21.  
Aug 5. — Sept. 7, 11, 14. — Oct. 18, 27. — Nov 4, 6, 24.  
Dec 1, 13, 22. 1938 Jan 17. — March 2, 23.  
April 18, May 9, 16, 18, 20.

Total No. of Visits 43