

## STEEL STEAMER or MOTORSHIP.

Received at London 28th Sep 1937

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

*38758*  
*September 1937*Port of *Leith*No. *19419*Survey held at *Leith*Date First Survey *17 February 1937*Last Survey *15 September 1937*

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

*Steel Twin Screw Motor Ship "JOSEPH FLINT"**machinery aft*

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

*without tonnage openings*State Type of Erections *RQD "Focli"*

TONNAGE under Tonnage Deck...

*236.56*CLASS *A.1. WITH FREEBOARD* (State if with freeboard as condition of Class) *yes*  
*FOR SERVICE IN THE GULF OF GUINEA*Built at *Leith*

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

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

*L 136.0*Launched *10/8/37*Yard No. *243*

Total

*236.56*

Breadth (greatest moulded)

*B 24.0*Builders *Henry Robb & Co.*

Gross Tonnage

*319.60*

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 12.5 RQD*Owners *United Africa Co. Ltd.*

Register Tonnage

*164.68*

1st Longitudinal Number (L x D) =

2nd Numeral L x (B + D) =

Managers

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

Residence *Unikwer House Blackfriars London E.C.4.*Port of Registry *LAGOS.*

If surveyed while building, afloat, or in dry dock

*7-11/38 While building - (finally afloat in dry dock)*

## REGISTERED DIMENSIONS.

Length *137.25'*  
Breadth *24.22'*  
Depth *8.85'*

## 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.
<b>FRAMES, Spacing amidships</b>	<i>24</i>	<i>✓</i>	<b>Bracket Floors, Frame</b>		
" " from $\frac{3}{4}$ length to Collision bulkhead	<i>24</i>	<i>✓</i>	" " Reversed Frame		
" " in peaks	<i>18</i>	<i>✓</i>	" " Vertical Struts		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>		
Frame Amidships, Angle, <i>E or F</i>	<i>4 2 1/2 31</i>	<i>✓</i>	" " top Angles		
" " Extends up to	<i>deck</i>		" " bottom Angles		
Reversed Frame Amidships, Angle	<i>none</i>		<b>Side Girders, No. each side and thickness</b>		
" " Extends up to	<i>none</i>		<b>Margin Plate</b> depth (excl. of flange) and thickness		
Depth of Framing Girder	<i>4</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>	<i>none</i>		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem		
" " Second 'tween Decks, Angle, <i>E or F</i>	<i>none</i>		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " Third to RQD <i>E or F</i>	<i>5 2 1/2 31</i>	<i>✓</i> <i>approved 4 x 2 1/2 x 31</i>	" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem		
Framing in Peaks, Angle, <i>E or F</i>	<i>4 2 1/2 31</i>	<i>✓</i>	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>5/8 7 diams C to C.</i>	<i>✓</i>	<b>INNER BOTTOM PLATING.</b>		
State if Frame Joggled	<i>yes</i>	<i>✓</i>	Breadth and thickness of Middle Line Strake		
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars	<i>Web frame, at frame N° 52 one stringer</i>		Thickness of remainder in Holds		
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars	<i>Floors 30" deep, frame N° 52 1/16 collision 3/16</i>		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?		
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
Floors, Depth and thickness at mid-line in Holds	<i>12 25</i>	<i>✓</i>	Uppermost Continuous Deck, amidships in Wells, Angle, <i>E or F</i>	<i>3 1/2 2 1/2 25</i>	<i>1/2 beams</i>
Height of Brackets at side above base line at toe of frame	<i>none</i>		" " in way of Bridge, Angle, <i>E or F</i>	<i>4 1/2 2 1/2 25</i>	<i>Through beams</i>
Middle Line Keelson, on Floors, Angles, <i>E or F</i>	<i>3 3 31</i>	<i>✓</i> <i>double</i>	Spacing	<i>5 2 1/2 31</i>	<i>in way of deck bracing</i>
" " Through Plate or Intercoastal Plate	<i>15 26</i>	<i>✓</i>	<b>Second Deck, amidships, Angle, <i>E or F</i></b>		
" " Foundation Plate on Floors	<i>—</i>		Spacing		
" " Flat Plate Keel Angles	<i>3 3 31</i>	<i>✓</i> <i>double</i>	<b>Third Deck, amidships, Angle, <i>E or F</i></b>		
Side Keelsons, No. each side	<i>one</i>		Spacing		
" " thickness of Intercoastal Plate	<i>22</i>	<i>✓</i>	<b>Fourth Deck, amidships, Angle, <i>E or F</i></b>		
" " Angles	<i>Top 3 3 31 single Bottom 2 1/2 2 1/2 25 single</i>	<i>✓</i>	Spacing		
<b>DOUBLE BOTTOM.</b>			<b>RQD Deck, Angle, <i>E or F</i></b>	<i>3 2 1/2 25</i>	<i>1/2 beams</i>
Solid Floors, thickness and spacing			Spacing	<i>4 1/2 2 1/2 25</i>	<i>Through beams</i>
" " Are Frame and Reversed Frame joggled?	<i>none</i>		<b>Bridge Deck, Angle, <i>E or F</i></b>		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			<b>Forecastle Deck, Angle, <i>E or F</i></b>	<i>3 1/2 2 1/2 25</i>	
			Spacing		<i>very frame</i>

## 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>	/			
" in 'tween Decks, Size and Spacing.....	/			
" " " " "	/			
" in Holds	3 1/4" air tubular, at hatchway ends on centre line, also in way of deck girder at frame N° 52.			
" " " " "	/			
<b>Centre Line Bulkhead.</b>				
Stiffeners and Spacing.....	none			
Plating, thickness of .....	-			
<b>STRINGERS AND DECKS.</b>				
<b>Uppermost Continuous Deck.</b>				
Stringer Plate, breadth and thickness in Wells	amidship 72 31 ✓			
" " " " , in way of Bridge	-			
" Angle in Wells	amidship 3 3 31 ✓			
Thickness of Plating abreast Deck openings } in way of Wells .....	see stringer plate.			
Thickness of Plating abreast Deck openings } in way of Bridge .....	✓			
Thickness of Plating within line of openings...	25 ✓ .31 in way of deck windows			
If Sheathed, material and thickness .....	not sheathed			
<b>Second Deck.</b>				
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 Wells .....	/			
Thickness of Plating abreast Deck openings } in way of Bridge .....	/			
Thickness of Plating within line of openings...	/			
If Sheathed, material and thickness .....	/			
<b>Third Deck.</b>				
Stringer Plate, breadth and thickness.....	/			
If Plated, state thickness.....	/			
<b>Fourth Deck.</b>				
Stringer Plate, breadth and thickness.....	/			
If Plated, state thickness .....	/			
<b>POOP Deck.</b>				
Stringer Plate, breadth and thickness .....	66 31 ✓			
Plating, Sheathing, material and thickness .....	not sheathed			
<b>Bridge Deck.</b>				
Stringer Plate, breadth and thickness.....	/			
Plating, Sheathing, material and thickness .....	/			
<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness.....	36 18 ✓			
Plating, Sheathing, material and thickness .....	Tie plates sheathing 18 1/2 .31 under windlass 2 1/2 Teak			

## 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.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	41	36 3/5	36	36	appd 3/8" 375 at bottom	Single	5/8	2 1/2	Triple	5/8	2 3/16	Lapped	
" DBLG. (if any)	—												
BOTTOM PLATING, No. of Strakes	2	31	31	25		Single	5/8	2 1/2	Double	5/8	2 3/16	Lapped	
BILGE PLATING, No. of Strakes	1	31	31	25	56 at bottom	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes	1	31	25	25	56 at bottom	"	"	"	"	"	"	"	
main UPPER DECK, Sheer-strake in Wells	45	43	31	31	4/10/34	"	"	"	Triple	3/4	2 5/8	"	
UPPER DECK, Sheer-strake in Bridge													
STRAKE BELOW Sheer-strake in Wells													
STRAKE BELOW Sheer-strake in Bridge													
RP POOR SIDE PLATING	36		36 3/5	31	appd 3/8 to 5/8	Single	5/8	2 1/2	Double	5/8	2 3/16	Lapped	
BRIDGE SIDE PLATING													
FORE'TLE SIDE PLATING	55		22			Single	5/8	2 1/2	Double	5/8	2 3/16	Lapped	

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)

„ Deck next below

As per Rule

3 see letter 281/37  
E\* Rpt  
4 ✓  
4 approved.

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....	<i>none</i>			
<b>STEM</b> .....	<i>Roller bar</i>	<i>4" x 1"</i>		
<b>STERN FRAME</b> {	Propeller Post	<i>forging</i>	<i>5" x 1 1/8"</i>	<i>Murphy Walker Co.</i>
	Rudder ..			
<b>Speed of Vessel</b> .....		<i>9 1/2 Knots</i>		
<b>RUDDER—Type</b> .....		<i>Ballanced</i>		
" A x D .....		<i>" "</i>		
" <del>Diam.</del> of head .....		<i>5 x 4 1/4"</i>	<i>tan for plan</i>	
" Mainpiece at top pintle .....		<i>as for plan</i>		
" " heel ...				
" how constructed		<i>forged, main piece, arm &amp; frame</i>		
" double or single plate		<i>double</i>	<i>in one piece</i>	
" coupling, vertical or		<i>horizontal</i>	<i>26</i>	
" horizontal .....		<i>horizontal</i>		

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks						
"	" Second "					
"	" <i>Frame</i> Third <i>n°</i> 38 L	26	24	6 x 3 1/2 x 30	29	6 x 3 x 32 L 30
"	" Holds 20 L	28	26	6 x 3 1/2 x 32	24	
COLLISION						
"	" (in Hold) 58 L	32	25	6 x 3 x 31	24	
AFTER PEAK						
"	" 6 L	32	28	7 1/2 x 2 1/2 x 25	24	

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Steel Company of Scotland Ltd, Dorman & Co Ltd*  
(OH).  
Has the Steel been tested as required by the Rules? *Yes*



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.)

Profile & Decks - Stem frame & Rudder - Engine seating -  
Cargo Hatches - Propeller Brackets - Bessing - Oil fuel tanks and  
stiffening under - masts - Showing welding of Propeller Brackets -  
Sump for cooling water to winches - Pumping plan -  
General Arrangement -  
also 3 reports on forgings.

Note:- This vessel has a cruiser stern. <sup>see letter 4/10/34</sup>  
The overall, extreme length is 144' 3" & extreme breadth 24' 3" <sup>leave out</sup>  
All steel material which is  $\frac{1}{4}$ " thick and under has been galvanised.  
this includes plates & sections used in both the main parts of hulls  
construction, and superstructure.

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

02. 142.75" (see letter 4/10/34)

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

1st Bower

4-1-7. RL. 5182. 4-1-7.

2nd "

4-1-7. RL. 5183. 4-1-7.

3rd "

none.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. 443' 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 <sup>see letter 4/10/34</sup>

No. and Material of Decks *one steel deck.*

Official No.

Signal Letters

Is bottom of vessel coated with cement *no.*

if not give

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

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	12.8	26
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 capacity of double bottom		(If necessary, furnish further information by sketch.)			

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

\* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 1272

Date 16/12/36

Dates of Surveys  
held while building

1937 February 17. 23. March 4. 17. 18. 25.  
April 1. 15. May 6. 17. 20. 27. 31.  
June 14. 21. 28. July 1. 5. 21. 27.  
August 5. 7. 9. 10. 24. 26. 30. 31.  
September 2. 6. 8. 13. 12. 15.

Total No. of Visits 34