

STEEL STEAMER or MOTORSHIP.

Received at London Office -7 AUG 1926

State if Report has been sent on the Freeboard of the Vessel *No.*State if Report is sent on the Machinery of the Vessel *Yes.*

Date of completion of report

Port of *Liverpool*No. *90507.*Survey held at *Saltney, Chester.*Date First Survey *April 29th 1926*Last Survey *July 29th 1926*On the *(State if Machinery fitted with Single, Twin or Triple Screw)**C. C. MENGEL, JR.**(Single Screw).*State Type *(Full scantling, complete superstructure with or without Tonnage Openings)**Screw Steamer*State Type of Erections *✓*TONNAGE under Tonnage Deck... *29.00*CLASS *A.1. for Service*State if with freeboard at *Acim. N.C.A.* as condition of Class *No.*Do. of space or spaces between Tonnage Dk. and Upper Dk. *8.00*Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *L 55.00*Breadth (greatest moulded) *B 14.50*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 6.75*Total *37.00*Gross Tonnage *37.00*Net Tonnage *7.00*1st Longitudinal Number (L x D) *= 371.25*2nd Numeral L x (B + D) *= 1168.75*Framing Depth "d," at middle of length. See Sec. 3 (1d) *6.00*Proportions—Depth to Length—Uppermost continuous deck to top of keel *8.15*Do. Long Bridge to top of keel *✓*Draught Moulded *5.00*Built at *Saltney, Chester.*Launched *28th June 1926.* Yard No. *430*Builders *J. Crichton & Co.*Owners *Mengel & Co. Ltd.*Managers *• • •*

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

Residence *Louisville, Kentucky U.S.A.*Port of Registry *Acim. (West Coast of Africa)*

If surveyed while building, afloat, or in dry dock

Building + Afloat.

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	18	✓	Bracket Floors, Frame	1	
" " from $\frac{1}{2}$ length to Collision bulkhead	"	✓	" " Reversed Frame	1	
" " in peaks	"	✓	" " Vertical Struts	1	
FRAMING.			Centre Girder, depth and thickness amidships	1	
Frame Amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	2 2 $\frac{1}{4}$	✓	" " top Angles	1	
" " Extends up to <i>Upper Deck.</i>	<i>Upper Deck.</i>	✓	" " bottom Angles	1	
Reversed Frame Amidships, Angle $\frac{1}{2}$ or $\frac{3}{4}$	2 2 $\frac{1}{4}$	✓	Side Girders, No. each side and thickness	1	
" " Extends up to <i>Across Top of Floors</i>	<i>Across Top of Floors</i>	✓	Margin Plate depth (excl. of flange) and thickness	1	
Depth of Framing Girder	2	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	1	
Frames in Uppermost Continuous 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	1	✓	" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	1	
" " Second 'tween Decks, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	1	✓	" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	1	
" " Third " " "	1	✓	" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	1	
Framing in Peaks, Angle $\frac{1}{2}$ or $\frac{3}{4}$	2 2 $\frac{1}{4}$	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	1	
Diameter and Spacing of Rivets through Shell Plating	$\frac{1}{2}$ 3 $\frac{1}{2}$ 3 $\frac{1}{2}$	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	No	✓	Breadth and thickness of Middle Line Strake	1	
STIFFENING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Side Stringers</i>	✓	Thickness of remainder in Holds	1	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	✓	✓	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?	1	
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<i>BS 9 x $\frac{1}{2}$ ES 19 x $\frac{1}{2}$</i> 9 $\frac{1}{4}$	✓	Uppermost Continuous Deck, amidships in Walls, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	2 2 $\frac{1}{4}$	✓
Height of Brackets at side above base line at toe of frame	✓	✓	" " in way of Bridge, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	✓	✓
Middle Line Keelson, on Floors, Angles, $\frac{1}{2}$ or $\frac{3}{4}$	<i>Double</i> 3 2 $\frac{1}{4}$	✓	Spacing	18	
" " Through Plate or Intercoastal Plate	11 $\frac{1}{4}$	✓	Second Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	1	✓
" " Foundation Plate on Floors	✓	✓	Spacing	1	✓
" " Flat Plate Keel Angles	<i>Double</i> 2 2 $\frac{1}{4}$	✓	Third Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	1	✓
Side Keelsons, No. each side	<i>One</i>	✓	Spacing	1	✓
" " thickness of Intercoastal Plate	✓	✓	Fourth Deck, amidships, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	1	✓
" " Angles <i>on 2nd J. Floors</i>	3 2 $\frac{1}{4}$	✓	Spacing	1	✓
DOUBLE BOTTOM.			Poop Deck, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	1	✓
Solid Floors, thickness and spacing	1	✓	Spacing	1	✓
" " Are Frame and Reversed Frame joggled?	1	✓	Bridge Deck, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	1	✓
Bracket Floors, breadth and thickness at middle line	1	✓	Spacing	1	✓
" " breadth and thickness at margin plate	1	✓	Forecastle Deck, Angle, $\frac{1}{2}$ or $\frac{3}{4}$	1	✓
			Spacing	1	✓

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 <i>FORD</i> " "	<i>One</i>	<i>2" Dia.</i>			If Sheathed, material and thickness		✓		
" " " " " "		✓			Third Deck.		✓		
Centre Line Bulkhead.					Stringer Plate, breadth and thickness.....		✓		
Stiffeners and Spacing.....		✓			If Plated, state thickness.....		✓		
Plating, thickness of		✓			Fourth Deck.		✓		
STRINGERS AND DECKS.					Stringer Plate, breadth and thickness.....		✓		
Uppermost Continuous Deck.					If Plated, state thickness		✓		
Stringer Plate, breadth and thickness in Wells	<i>33½</i>	<i>¾</i>			Poop Deck.		✓		
" " " " in way of Bridge		✓			Stringer Plate, breadth and thickness		✓		
" Angle in Wells	<i>2½</i>	<i>2½</i>	<i>¼</i>		Plating, Sheathing, material and thickness ...		✓		
Thickness of Plating abreast Deck openings) in way of Wells	<i>¾</i>				Bridge Deck.		✓		
Thickness of Plating abreast Deck openings) in way of Bridge	✓				Stringer Plate, breadth and thickness.....		✓		
If Sheathed, material and thickness	✓				Plating, Sheathing, material and thickness ...		✓		
Second Deck.		✓			Forecastle Deck.		✓		
Stringer Plate, breadth and thickness in Wells...		✓			Stringer Plate, breadth and thickness.....		✓		
					Plating, Sheathing, material and thickness ...		✓		

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 3 1 20 W.T.

„ Deck next below ✓

As per Rule 3 ✓

			Plating Thickness.	STIFFENERS.			
				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Tween decks...			3/16	2 x 2 1/4	27	F. W. Trans. Ribs 2 1/2 x 2 1/2 x 1/4	
"	"	"	✓				
"	"	"	✓				
"	"	"	✓				
"	"	"	✓				
"	"	"	✓				
"	"	"	✓				
"	"	"	✓				
"	"	Holds	✓				
COLLISION			3/16	2 x 2 1/4	24	✓	✓
"	"	(in Hold)					
AFTER PEAK			3/16	2 x 2 1/4	24	✓	✓
"	"	"					

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	<i>ANGLE</i>	<i>4" x 4" x 1/2"</i>	<i>As per approved plan.</i>	✓
STERN FRAME {	Propeller Post	<i>Forging</i>	<i>4" x 1 1/2"</i>	<i>See</i>
	Rudder "	"	<i>4" x 1 1/2"</i>	"
RUDDER—A x D	✓			
Speed of Vessel	✓			
RUDDER mainpiece at head ...	<i>Forging</i>	<i>3</i>	"	
" " heel ...	"	<i>2 1/2</i>	"	
" how constructed	<i>Woods shroued or stayed L. Stock</i>			
" double or single plate	<i>Single</i>	<i>60</i>		
" coupling, vertical or	✓			
" horizontal				

STEEL.

Manufacturer's name or trade mark of the Steel used in the construction of the Vessel (state process of manufacture) *Esslin Made Portland Cement*
South Durham Steel Co & Port Talbot Steel Co.

Has the Steel been tested as required by the Rules? *Yes*

EQUIPMENT No. <i>See Survey Letter 17/12/26</i> LETTER <i>✓</i>												ANCHORS.		-7 AUG 1926	
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			WEIGHT REQUIRED <i>as specified</i>	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.					lbs.
41904	1st Bower ...	2	0	4	2	3	4	10	0	0	1 1/4	Ordinary	✓	By Mr. H. J. P. Paul	
41903	2nd " ...	2	0	2	2	2	4	10	0	0	1 1/4	"	✓		
	3rd " ...														
	Collective weight.														
	Stream														

CHAIN CABLES.												HAWSEERS AND WARPS.								
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and Size		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 33.		
	Length.	Diam.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Length.	Cir.		Length.	Cir.	
39354	30	7/8	1220	9 1/4	7	0	20	✓	30	7/8	1220	9 1/4	✓	TOWLINE...	15	3 1/2	17	3 1/2	17	3 1/2
														HAWSEERS & WARPS	15	3 1/2	17	3 1/2	17	3 1/2
														"	15	3 1/2	17	3 1/2	17	3 1/2
														"	15	3 1/2	17	3 1/2	17	3 1/2

Steering Gear, Steam *Nil* Steering Gear, Hand *by Anchor Co.*

Boats *Nil* Steering Chains, Size and Test *Shot Link 3/8" 7.12.2.0.* Windlass *(Hand) Emerson Works Co.*

Ceiling in Holds, thickness and material *✓* Cargo Battens, thickness, material and spacing *✓*

Cargo Hatchways.—(Upper Deck) *✓* Thickness of Hatches *✓*

Size of No. 1 Hatchway (Forward) *✓* No. 2 *✓* No. 3 *✓* No. 4 *✓* No. 5 *✓* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *✓*

For J. CRICHTON & CO. LTD.
Clavinthie Bell
 MANAGING DIRECTOR
 Builder's Signature

For J. CRICHTON & CO. LTD.
W. J. Crichton
 MANAGING DIRECTOR

GENERAL DECLARATION *This vessel has been built in accordance with the approved plans and instructions as well as with the printed rules.*

The material and workmanship are good.

The weather deck and bulkheads have been satisfactorily tested.

The following plans are forwarded with this report:-

5 in number: Hull Sections, Profile Deck & Bulkhead, Storeframe & Rudder, Casings Plan, Stem Plan. and on Forging Report.

This vessel is being shipped out to the West Coast of Africa.

The amount of Entry Fee £ 2 : 0 : 0 Fees applied for, *-5 AUG 1926*

Special Survey Fee.... £ 20 : 0 : 0 Received by me, *18/9/26*

Travelling Expenses, if any £ 1 : 10 : 6

I am of opinion the Vessel should be Classed *A.1. "FOR TOWING SERVICES AT AXIM"*

State whether the Vessel has been built under Special Survey *Yes.* Signature *Geo. L. Hyle*

Certificate to be sent to *Mr. H. J. P. Paul* Date of issue *20/9/26.* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *LIVERPOOL -6 AUG 1926*

Character assigned *+ A1. - 7.26.*

"For Towing Services at Axim"

Lloyds A & C P.

+ L M C - 7.26. HAT

When fee is paid.

The Surveyors are requested not to write on or below the Committee's Minute.

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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.)

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

1st Bower ✓
2nd „ ✓
3rd „ ✓

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

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) / Deck (See).

Official No. ✓ ; Signal Letters ✓ If bottom of Vessel has been coated Inside No. 20.
particulars of composition Bitumastic enamel + solution.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	✓	✓
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	✓	✓
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, <i>ENTANA FRS 24-27</i>	4.5	3
Total capacity of double bottom		✓	(If necessary, furnish further information by sketch.)		

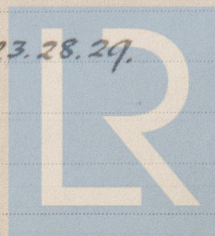
* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No.

Date

Dates of Surveys held while building

april 29, May 7, 31, June 11, 24, July 6, 15, 23, 28, 29.



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Total No. of Visits