

RECEIVED

25 FEB 1946

IN D.O.

## STEEL STEAMER OR MOTORSHIP.

Received at London Office

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

Date of completion of report

16<sup>th</sup> February 1946

Port of

Glasgow

No.

70449

Survey held at

Glasgow

Date First Survey

9<sup>th</sup> April 1945

Last Survey

7<sup>th</sup> February 1946

On the

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

Single Screw "EMPIRE TESELLA"

State Type

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

Full Scantling

State Type of Erections

Prop, houses on DR, Raised upper Deck Forecastle

TONNAGE under Tonnage Deck ...

610.21

CLASS

+ 100-A-1

State if with freeboard as condition of Class

Yes

Built at

Glasgow

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

190

Breadth (greatest moulded)

B

34

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

D

14.75

1st Longitudinal Number (L x D)

2802.5

2nd Numeral L x (B + D)

9262.5

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

12.88

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

13.08

Do. Long Bridge to top of keel

Draught Moulded

Launched 31<sup>st</sup> October 1945 Yard No. 13184

Builders Harland &amp; Wolff Ltd. Glasgow

Owners Ministry of War Transport

Managers Anglo-Saxon Petroleum Co. Ltd. (Where necessary to be entered in Reg. Book)

Residence

Port of Registry Glasgow

If surveyed while building, afloat, or in dry dock

Building and afloat

## REGISTERED DIMENSIONS.

FEET

Length

193.5

Breadth

34.2

Depth

14.7

## FRAMES, DOUBLE BOTTOM AND BEAMS.

Longitudinal Framing as per page 5	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	22 1/2	✓	Bracket Floors, Frame	
" " in Deep Tank Ford from 1/2 length amidships to Collision bulkhead	22 1/2	✓	" " Reversed Frame	
" " in peaks	22	✓	" " Vertical Struts	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	34
Frame Amidships, Angle E or F	7 3/8	✓	" " top Angles Double	5 3/8
" " in way of Transverses	9 3/8	✓	" " bottom Angles	3 1/2 3 1/2
" " Extends up to	upper DR	✓	Side Girders, No. each side and thickness	1 Continuous 50
Reversed Frame Amidships, Angle			Margin Plate depth (excl. of flange) and thickness	Welded to Shell
" " Extends up to			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	
Depth of Framing Girder	7	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	
Frames in Uppermost Continuous 'tween	6 3/8	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	
" " Second 'tween Decks, Angle E or F	6 3/8	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	
" " in way of Oil Bunkers	6 3/8	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	None
" " Third in Boiler Space	6 3/8	✓	INNER BOTTOM PLATING.	
" " in Deep Tank Forward from 1/2 len. forward to 15% len. from Stem	5 5/8	✓	Breadth and thickness of Middle Line Strake	
" " in Peaks, Angle E or F	5 3/8	✓	Thickness of remainder in Holds	Outside of Engine Room 34
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 @ 4 1/2	✓	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?	Yes
State if Frame Joggled	Yes	✓	BEAMS.	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	Uppermost Continuous Deck amidships in Wells, Angle E or F	Longitudinal Beams as per page 5
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	" " in way of Bridge, Angle E or F	
SINGLE BOTTOM. in Boiler space			Spacing	
Floors, Depth and thickness at mid-line in Holds	24 x 42	✓	raised upper forward	5 3/8
" " Height of Brackets at side above base line at toe of frame	3 1/2	✓	Second Deck amidships, Angle E or F	Every frame
Middle Line Keelson, on Floors, Angles, E or F	4 4	✓	Spacing	
" " Through Plate or Inter-costal Plate	48	✓	Third Deck amidships, Angle E or F	
" " Foundation Plate on Floors	12 x 48	✓	Spacing	
" " Flat Plate Keel Angles	3 1/2 3 1/2	✓	Fourth Deck amidships, Angle E or F	
Side Keelsons, No. each side	One	✓	Spacing	
" " thickness of Inter-costal Plate	42	✓	Poop Deck, Angle E or F	5 3/8
" " Angles	4 4 42	✓	Spacing	Every frame
DOUBLE BOTTOM. in Engine space			raised on DR aft	5 3/8
Solid Floors, thickness and spacing	Ex. Frame 32	✓	Bridge Deck, Angle E or F	5 3/8
" " Are Frame and Reversed Frame joggled?	Frames Joggled	✓	Spacing	Every frame
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle E or F	5 3/8
" " breadth and thickness at margin plate			Spacing	Every frame



## 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 <i>Loop</i> .....		<i>.35</i>	-	<i>.30</i>	✓
" " " " " " .....						Thickness of Plating abreast Deck openings in way of Bridge .....					
" in Halls " " " " .....						Thickness of Plating within line of openings...		<i>.38</i>	-	<i>.30</i>	✓
" " " " " " .....						If Sheathed, material and thickness .....					
<b>Centre Line Bulkhead.</b> .....		<i>9</i>	<i>3½</i>	<i>.38</i>	<i>at Transoms</i>	<i>Raised upper Third Deck. Forward</i> .....					
Stiffeners and Spacing <i>B.A.</i> .....		<i>9</i>	<i>3½</i>	<i>.45</i>	✓	Stringer Plate, breadth and thickness .....		<i>.30</i>			✓
Plating, thickness of .....		<i>.36</i>	<i>2</i>	<i>.30</i>	✓	If Plated, state thickness .....		<i>.30</i>			✓
<b>STRINGERS AND DECKS.</b>						<b>Fourth Deck. Trunk top</b> .....		<i>.38</i>			✓
<b>Uppermost Continuous Deck.</b>						Stringer Plate, breadth and thickness .....		<i>.38</i>			✓
Stringer Plate, breadth and thickness in Wells		<i>100½</i>	<i>2</i>	<i>.40</i>	✓	If Plated, state thickness <i>Trunk Side</i> .....		<i>.38</i>			✓
" " " " " in way of Bridge						<b>Poop Deck.</b>		<i>.30</i>		<i>Unsheathed</i>	✓
" Angle in Wells		<i>5</i>	<i>5</i>	<i>.40</i>	✓	Stringer Plate, breadth and thickness .....		<i>.25</i>		<i>Sheathed</i>	✓
Thickness of Plating abreast <i>Trunk</i> Deck openings in way of Wells .....				<i>.38</i>	✓	Plating, Sheathing, material and thickness ...		<i>.25</i>			✓
Thickness of Plating abreast Deck openings in way of Bridge .....						<b>Bridge Deck.</b>		<i>2½</i>	<i>Wood</i>	<i>2"</i>	✓
Thickness of Plating within line of openings...						Stringer Plate, breadth and thickness .....					
If Sheathed, material and thickness .....						Plating, Sheathing, material and thickness ...					
<i>R.P. BR</i> <b>Second Deck. in Loop</b> .....						<b>Forecastle Deck.</b>					
Stringer Plate, breadth and thickness in Wells		<i>.35</i>			✓	Stringer Plate, breadth and thickness .....		<i>.30</i>			✓
						Plating, Sheathing, material and thickness...		<i>.30</i>			✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	upper EDGES. State if jogged? <i>No</i> ✓		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		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.....	57½ ✓	.75 ✓	.75 ✓	.75 ✓		Double ✓	8 ✓	3.5 ✓	3 ✓	8 ✓	38 ✓	Lapped ✓
„ Dble. (if any)												
Bottom Plating, No. of Strakes <i>Two</i> ✓		.45 ✓	.40 ✓	.40 ✓		Double ✓	3/4 ✓	10 2.625 ✓	3-2 ✓	3/4 ✓	2.625 ✓	Lapped ✓
Bilge Plating, No. of Strakes <i>One</i> ✓		.40 ✓	.40 ✓	.35 ✓		X Double ✓	3/4 ✓	2.5 ✓	3-2 ✓	3/4 ✓	2.625 ✓	" ✓
Side Plating, No. of Strakes												
Upper Deck, Sheer- strake in Wells	58 ✓	.40 ✓	.37 ✓	.34 ✓		X #2 Rows ✓	3/4 ✓	3 3/4 ✓	3-2 ✓	3/4 ✓	2.625 ✓	Lapped ✓
Upper Deck, Sheer- strake in Bridge	at Loop Break		.60 ✓									
	at R.U. OR fwd		.50 ✓									
Strake below Sheer- strake in Wells	68½ ✓	.40 ✓	.37 ✓	.34 ✓	.40 - .33 ✓	Double ✓	3/4 ✓	2.5 ✓	3-2 ✓	3/4 ✓	2.625 ✓	Lapped ✓
Raised upper BR Strake below Sheer- strake in Bridge			.26 - .32 ✓			Single ✓	3/4 ✓	3 ✓	1 ✓	3/4 ✓	2.625 ✓	" ✓
Peep Side Plating.....	(.34 at Break)		.26 ✓						2-1 ✓	3/4 ✓	2.625 ✓	" ✓
Raised Quarter BR Bridge Side Plating (15 Strakes)	(.50 at Break)		.34 - .30 ✓		X Single aft ✓ X Single R. beam at ends ✓	Single ✓	3/4 ✓	3-2 ✓	2-1 ✓	3/4 ✓	2.625 ✓	" ✓
Forecastle Side Plating	(15 Strakes)		.26 ✓		Double Single at ends ✓				1 ✓	3/4 ✓	2.625 ✓	" ✓

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 10 ✓

Extending to Upper Deck (Sec. 3 c) } 5 To Hatch Top  
2 - Raised On Deck  
3 - " " upper "

Deck next below

As per Rule *Approved.*

**FORGINGS AND CASTINGS.**

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM	rolled steel	6 x 1 1/2		
STERN FRAME	Propeller Post Rudder as appd.	7-6 1/2 R.H. 6 1/2 x 4	COLVILLES CONSTRUCTIONAL Co. Inc.	
Speed of Vessel	Under 12 K			
RUDDER—Type	Ordinary			
A x D	104.3			
Diam. of head	5 1/2	Forging	WALSHINGHAM STEEL CO. INC.	
Mainpiece at top pintle	Rudder blade			
heel	Joiner Mainpiece		COLVILLES CONSTRUCTIONAL	
how constructed	Steel plates bars solo			
double or single plate coupling, vertical or horizontal	E.W. as appd. Double Horizontal			

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).  
*Clydesdale Steel Company of Scotland.*

Has the Steel been tested as required by the Rules?



## PARTICULARS OF LONGITUDINAL FRAMING.

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 <b>T, L or E</b> .....													
Frames in Bridge 'tween Decks ...													
Frames from Uppermost Continuous Deck (S) No. 1		9	3½	44	9	3½	44		¾	4½	38	128	7
Centre Line Bld (P/S) " 2									and as appd				
(P/S) " 3													
(P/S) " 4													
(P/S) " 5													
" 6													
" 7													
" 8													
" 9													
" 10													
" 11													
" 12													
" 13													
" 14													
" 15													
" 16													
Spacing of Longitudinal Frames { Amidships		28	10	30									
{ At Ends					28	10	30						
Double Bottoms { Tank Top Longitudinals													
{ Bottom " "													
Spacing of Longitudinals { Amidships													
{ At ends...													
Transverses.													
Side { Depth and Thickness													
{ Face Angles													
{ Lugs to Shell*													
Side (in Hold) { Depth and Thickness													
{ Face Angles													
{ Lugs to Shell*													
Bottom { Depth and Thickness		30	*	40	30	*	40						
{ Face Angles		6" Flange			6" Flange								
{ Lugs to Shell*		6 . 6 . 36			6 . 6 . 36			¾	3¾				
" " Back Bars		joggled			joggled								
Side { 39 x 40 PL 4													
Centre { 39 x 35 x 40 PL 4													
Brackets													
Spacing of Transverse Frames... * State if joggled or liners.		7-6	2	9-4½	7-6	8	9-4½						
Longitudinal Beams of <b>T, L or E</b>								Spacing.					
Tank Top Bridge Deck		7	3	33	7	3	33	29½ - 30½	Transverse Beams.	11 x 35	4" FL		
Upper Deck		7	3	33	7	3	33	28½		18 x 40	6" FL		
Second "										12 x 35	3" FL		
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.







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.)

This vessel is similar to the same Builders Yard No. 13199. EMPIRE TESCOMBE  
Glasgow Rpt No. 70307

The approved plans were forwarded to London with the F.E. Report of the  
"EMPIRE TESLAND" Glasgow Rpt No. 69993

Midship Section "as built" forwarded in advance.

Forging or Casting Reports enclosed:— Rudder Head  
Fabricated Structure " " :— Stemframe, Rudder.

PARTICULARS OF ELECTRIC WELDING (if employed) Stiffeners and girders to transverse Bulkheads,  
Continuous girders and tank top in D.B. tank in engine space, Butts of upper Deck  
Stringers in Tanks, Butts of Tank Top & Side, Tank top to Tank Side, Raised Qr.  
Deck and Raised upper Deck to shell, Deep Tank top forward to shell, Side  
Keelson in Deep Tank forward to shell, Bilge keels and side rubbing strips to shell,  
O.F. Bunker stringers to shell. Stemframe, Rudder. Minor details

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Carrying Petroleum in Bulk.  
Longitudinal framing at bottom and at deck, Cruiser Stern, Wireless.  
Lloyds A.C.P. Machinery aft.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	13.0.22	J.H.J.	6931	27.4.45
	2nd "	14.1.22	A.E.G.	7693	17.7.45
	3rd "	12.2.14	C.P.	7610	19.6.45

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 65.9 ft., R.Q.D. 65.9 ft., Bridge 34.3 ft., Forecastle 21.9 ft.  
On R.Q.D. OK. Trunk 91.1

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

Official No. 169461 Signal Letters Extreme Breadth over Belting 34.4" Over-all Length 201.17'  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks One deck Steel

Parts of Bottom of Vessel coated with cement or approved composition Bottom in peaks, Engine Room Well Boiler  
space Cemented. Feed tank under engines and Cofferdams Cement Washed

Particulars of composition (if fitted) and of approval

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. SW Tons.	Where Fitted.	Length. Feet.	Water Capacity. SW Tons.
Double bottom, aft,			Fore peak tank,	13.2	17.7
Double bottom, under Engines and Boilers,			After peak tank,	11.5	29.9
Double bottom, if under Engines only,	16.9	25.4	Deep tank, aft, After Cofferdam	3.0	46.0
Double bottom, if under Boilers only,			Deep tank, forward,	16.8	49.8
Double bottom, forward,			Other tanks, if fitted, Forward Cofferdam	3.0	36.1
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6970  
Date 8.3.45  
Dates of Surveys held while building  
1945 Apr 9. 19 May 24. 30 Jun 8. 13. 27. 29 Jul 2. 9. 26 Aug 10. 20. 22. 28. 30 Sep 7. 11. 12. 19. 26 Oct 1. 3. 4. 10.  
11. 12. 15. 16. 17. 18. 19. 22. 23. 28. 29. 30. 31 Dec 3. 12. 1946 Jan 4. 7. 8. 9. 10. 16. 23. 31 Feb 1. 5. 7

Lloyd's Register  
Total No. of Visits 52  
Foundation