

STEEL ~~STEAMER~~ ~~OR~~ MOTORSHIP.

Received at London Office 19 SEP 1934

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel Yes

Date of completion of report

15<sup>th</sup> SEPTEMBER 1934Port of Greenock

No. 19817

Survey held at Greenock

Date First Survey

30<sup>th</sup> NOVEMBER 1933

Last Survey

14<sup>th</sup> SEPTEMBER 1934

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

SINGLE SCREW MOTORSHIP "GRIT"

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

FULL SCANTLING

State Type of Erections

RAISED QUARTER &amp; FORECASTLE

TONNAGE under Tonnage Deck

321.86

CLASS 100A1

State if with freeboard as condition of Class

No

Built at

GREENOCK

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 160

Breadth (greatest moulded)

B 26.5

Total

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

D 10.25

Gross Tonnage

501.44

Register Tonnage

254.31

1st Longitudinal Number (L x D) = 1640

2nd Numeral L x (B + D) = 5880

## REGISTERED DIMENSIONS.

FEET.

Length

160.5

Breadth

26.75

Depth

9.4

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

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

15.5

Do. Long Bridge to top of keel

11.4

Draught Moulded

10'-1 1/2'

Launched AUG 11<sup>th</sup> 1934 Yard No. 188

Builders GEO BROWN &amp; CO.

Owners F. T. EVERARD &amp; SONS LTD.

Managers ✓

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

Residence LONDON

Port of Registry LONDON

If surveyed while building, afloat, or in dry dock

BUILDING, AFLOAT &amp; 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.
<b>FRAMES, Spacing amidships</b>	21		<b>Bracket Floors, Frame</b>		
" " from 3/4 length to Collision bulkhead	21		" " Reversed Frame		
" " in peaks	21		" " Vertical Struts		
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>		
<b>Frame Amidships, Angle</b> <u>E</u>	5 3 30		" " top Angles		
" " Extends up to	DECK.		" " bottom Angles		
<b>Reversed Frame Amidships, Angle</b>	2 1/2 x 2 1/2 28		<b>Side Girders, No. each side and thickness</b>		
" " Extends up to	ACROSS TOP OF FLOORS		<b>Margin Plate depth (excl. of flange) and thickness</b>		
<b>Depth of Framing Girder</b>	5'		" " Vertical Angle to Tank side		
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]</b>	✓		Bracket abaft 1/4 len. from stem		
" " <b>Second 'tween Decks, Angle, [ or ]</b>	✓		" " Vertical Angle to Tank side		
" " <b>Third " " " "</b>	✓		Bracket forward 1/4 len. from stem		
<b>Framing in Peaks, Angle</b> <u>F</u>	4 2 1/2 28		" " Gussets, spacing and scantling abaft 1/4 len. from stem		
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	3/4 @ 7 DIAS.		" " Gussets, spacing and scantling forward 1/4 len. from stem		
<b>State if Frame Joggled</b>	No		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>	ONE SIDE STRINGER. FITTED AS PER APPROVED PLAN		<b>INNER BOTTOM PLATING.</b>		
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>	DOUBLE FRAMES. INCREASED SMALL RIVETING AS PER APPROVED PLAN	ALSO 5 1/2 x 3 x 30 BA REVERSE BARS & INTERCOSTAL TOP BARS DOUBLE.	Breadth and thickness of Middle Line Strake		
<b>SINGLE BOTTOM.</b>			Thickness of remainder in Holds		
<b>Floors, Depth and thickness at mid-line in Holds</b>	15 x 37 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?		
Height of Brackets at side above base line at toe of frame	FLOORS LEVEL.		<b>BEAMS.</b>		
<b>Middle Line Keelson, on Floors, Angles</b>	3 1/2 x 3 x 30		<b>Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]</b>	4 1/2 3 36	
" " Through Plate	34 x 30		" " in way of Bridge, Angle, [ or ]	✓	
" " Foundation Plate on Floors	12 x 34 x 30		Spacing	21"	
" " Flat Plate Keel Angles	3 1/2 3 1/2 36		<b>RAISED QUARTER Deck, amidships, Angle, [ or ]</b>	4 1/2 3 36	
<b>Side Keelsons, No. each side</b>	TWO		Spacing	21"	
" " thickness of Intercostal Plate	.28		<b>Third Deck, amidships, Angle, [ or ]</b>		
" " Angles	DOUBLE FORWARD 6 3 45		Spacing		
<b>DOUBLE BOTTOM.</b>			<b>Fourth Deck, amidships, Angle, [ or ]</b>		
<b>Solid Floors, thickness and spacing</b>			Spacing		
" " Are Frame and Reversed Frame joggled?			<b>Poop Deck, Angle, [ or ]</b>		
<b>Bracket Floors, breadth and thickness at middle line</b>			Spacing		
" " breadth and thickness at margin plate			<b>Bridge Deck, Angle, [ or ]</b>		
			Spacing		
			<b>Forecastle Deck, Angle, [ or ]</b>	5 1/2 3 32	
			Spacing	42"	



PILLARS AND DECKS.

PILLARS AND DECK		PILLARS AND DECK	
	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.
<b>PILLARS, No. of Rows.....</b>	ONE		
<b>POLE</b>			
in 'tween Decks, Size and Spacing.....	2 1/4 @ 42"		
"    "    "    "    "			
in Holds    "    "			
"    "			
<b>Centre Line Bulkhead.</b>			
Stiffeners and Spacing.....	✓		
Plating, thickness of .....	✓		
<b>STRINGERS AND DECKS.</b>			
<b>Uppermost Continuous Deck.</b>			
Stringer Plate, breadth and thickness in Wells	44 x .38		
"    "    "    "    in way of Bridge	✓		
"    Angle in Wells .....	3 1/2 3 1/2 .42		
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...	37.5		
If Sheathed, material and thickness .....	NOT SHEATHED		
<b>RAISED QUARTER Second Deck.</b>			
Stringer Plate, breadth and thickness in Wells...	41 1/2 x .38		
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 .....	✓		
Plating, Sheathing, material and thickness ...	✓		
<b>Bridge Deck.</b>			
Stringer Plate, breadth and thickness.....	✓		
Plating, Sheathing, material and thickness ...	✓		
<b>Forecastle Deck.</b>			
Stringer Plate, breadth and thickness.....	25		
Plating, Sheathing, material and thickness ...	25 x 2 1/2 P.P.Dk		


## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled? <i>No</i>	SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.						Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL .....	<i>45</i>	<i>.52</i>	<i>.50</i>	<i>.50</i>		<i>DOUBLE</i>	<i>3/4</i>	<i>3</i>	<i>3-2</i>	<i>7/8</i>	<i>3 1/8</i>	<i>LAPPED</i>
" <i>Double (if any)</i>												
BOTTOM PLATING, No. of Strakes .....	<i>Two</i>	<i>.50</i>	<i>.50</i>	<i>.50</i>		<i>"</i>	<i>3/4</i>	<i>3</i>	<i>2</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>
BILGE PLATING, No. of Strakes .....	<i>One</i>	<i>.50</i>	<i>.50</i>	<i>.50</i>		<i>"</i>	<i>3/4</i>	<i>3</i>	<i>2</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>
SIDE PLATING, No. of Strakes .....	<i>One</i>	<i>.50</i>	<i>.50</i>	<i>.50</i>		<i>"</i>	<i>3/4</i>	<i>3</i>	<i>2</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>
UPPER DECK, Sheer- strake in Wells.....	<i>56"</i>	<i>.50</i>	<i>.50</i>	<i>.50</i>	<i>72 At BREAK</i>	<i>"</i>	<i>3/4</i>	<i>3</i>	<i>4-2</i>	<i>7/8</i>	<i>3 1/4 2 5/8</i>	<i>"</i>
UPPER DECK, Sheer- strake in Bridge ...	<i>48"</i>	<i>.50</i>	<i>.50</i>	<i>.50</i>		<i>"</i>	<i>3/4</i>	<i>3</i>	<i>3-2</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>
STRAKE BELOW Sheer- strake in Wells.....	<i>✓</i>											
STRAKE BELOW Sheer- strake in Bridge ...	<i>✓</i>											
POOP SIDE PLATING .....	<i>✓</i>											
BRIDGE SIDE PLATING ...	<i>✓</i>											
FOREC'TLE SIDE PLATING			<i>.25</i>			<i>SINGLE</i>	<i>3/4</i>	<i>3</i>	<i>SINGLE</i>	<i>3/4</i>	<i>2 5/8</i>	<i>LAPPED</i>

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—						
Extending to Upper Deck (Sec. 3 c)				FOUR.		
Deck next below						
As per Rule				THREE		
		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Uppertween decks						
"	" Second "					
"	" Third "					
"	" OIL FUEL BUNKERS	.34-.30	5 5/8"	FLAT BAR 25	PART WELDED AS APPROVED	
COLLISION	" (in Hold) .....	.34-.30	8 3/4"	30 BA 24	CHAIN LOCKER BOTTOM	
AFTER PEAK	" " .....	.34-.30	6 1/2"	X 42 BA 24	W.T. FLAT.	

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....		<b>FLAT PLATE KEEL.</b>		
<b>STEM</b> .....		<b>ROLLED 6x1 1/4</b>		
<b>STERN FRAME</b> {		<b>7 3/4 x 3</b>		
Propeller Post .....				<b>PATENT BALANCED RIGGER</b>
Rudder .....		<b>4 1/2" DIA.</b>		<b>&amp; STERN FRAME.</b>
<b>RUDDER—A x D</b> .....		<b>68.22.</b>		<b>T.S. FORSTER &amp; SONS.</b>
<b>Speed of Vessel</b> .....		<b>9 3/4 KNOTS</b>		
<b>RUDDER</b> mainpiece at head .....		<b>4 1/2 STOCK 4 3/4.</b>		
" " heel .....		<b>3 1/2.</b>		<b>T.S. FORSTER &amp; SONS.</b>
" " how constructed .....		<b>FORGED ARMS SHRUNK ON MAINPIECE</b>		
" " double or single plate .....		<b>DOUBLE WELDED (SEE PLAN)</b>		
" " coupling, vertical or .....		<b>HORIZONTAL</b>		
" " horizontal .....				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) **(OPEN HEARTH PROCESS)**  
**STEEL COMPANY OF SCOTLAND, COLVILLES LTD. LANARKSHIRE STEEL CO. SCOTTISH IRON & STEEL CO.**

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







The following approved plans together with the plans of the midship section & profile & decks as built & also the forging reports are forwarded herewith.

This vessel is a duplicate of the M.V. Angularity Messrs George Brown & Co: 187.  
& Greenock final entry report no 19770.

~~English~~

1st Bower 6.2.2 : T.R. McI : 4664 : 18.1.34.  
2nd „ 6.1.25 : T.R. McI : 4660 : 18.1.34.  
3rd „ 5.3.22 : R.L. : 3672 : 21.12.33.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 Dk / 572

### PARTICULARS OF WATER BALLAST.—

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

Date 23<sup>RD</sup> NOVEMBER. 1933

### Dates of Surveys held while building

(1933) Nov. 30. Dec. 7-22-28. (1934) Jan. 12-15-19-23-30. Feb. 1-9-13-14-16-20-21-23-27. Mar. 1-6-13-14-16-20-22-24-30. Apr. 3-4-10-12-14-23. May 1-3-9-15.  
JUNE 1-4-12-18-20-22 JULY 16-27-30-31 AUG. 2-9-11-16-30-31. SEPT. 6-11-12-13-14.

Total No. of Visits 58

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