

With or Without
Disconnected Erections.

STEEL STEAMER.

WED. JUL 10 1912

Received at London Office

State if Report is also sent on the Machinery of the Vessel *Yes*

Date of completion of report

Survey held at

On the

Greenock
SS HERA

Port of

Date, First Survey

26 June 1911

Last Survey

No.

16285

Rig

Schooner

1912

Master

L. Schröder

Year of appointment

(1) As Master in service of
owner of present vessel: 1899
(2) As Master of this
vessel: 1912

Built at

Greenock

When built

1912

Launched *14th May 1912*

By whom built

The Greenock & Grangemouth Dockyard Co.

Owners

Deutsche Amerikanische Petroleum

Managers

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

Residence

Hamburg

Port belonging to

Hamburg

TONNAGE under

Tonnage Deck

Do. between Tonnage Dk.

and 3rd and 4th Dk.

Total under Upper Deck

Do. of Poop

Do. of R.Q.Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES

Less Engine Room

Less Navigation Spaces

WATER BALLAST

Register Tonnage

as cut on Beam

CLASS *100 ft. Longitudinal Framing*

Breadth (greatest moulded)

51.0

Depth, at middle of length from top of keel to top of

29.17

Transverse Number

80.17

Length on deck from fore part of stem to after part of

375.0

Longitudinal Number

30063

Depth "d," at middle of length (See Secs. 2 & 13)

Proportions—Depths to Length—Upper Deck Beam at

12.85

" " " Long Bridge Deck

" " " Beam at side to top of keel

Destined Voyage

Philadelphia

If Surveyed while Building, Afloat, *AND* in Dry Dock *Yes*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
<i>375.0</i>	<i>0</i>		<i>51.0</i>	<i>0</i>		<i>29.17</i>	<i>28</i>	<i>11 1/2</i>	<i>Two</i>	<i>Two</i>

Dimensions of Ship per Register, Length *374.32* breadth *61.02* depth *29.0*. Moulded depth, ft. *36* ins. *8 1/4* To Bridge Dk. Round of Upper Dk. Beam, Actual) *12 1/2* ins.

FRAMING.						PILLARS.					
FRAME, Angles, or E or L Bars amidships						PILLARS, In 'tween Deck, size and spacing					
Do. in peaks	6	3 1/2	36	6	3 1/2	" " Hold	"	"	"	"	"
Do. in way of Double Bottoms at Solid Floors						" " Quarter 'tween Dks	"	"	"	"	"
" " " at intermdt. Bkts.						" " in Hold	"	"	"	"	"
Spacing of Frames from centre to centre amidships	24		24			KEELSONS & STRINGERS.					
" " " from 1/2 length to Collision bulkhead						CENTRE LINE KEELSON, Vertical Plates above					
" " " in peaks	3 1/2	3	36	3 1/2	3	Rider Plate					
REVERSED FRAME, Angles	3 1/2	3	36	3 1/2	3	Flat Plate Keel Angles					
Do. in way of Double Bottoms at Solid Floors						Horizontal Plates on Floors					
" " " at intermdt. Bkts.						Angles or Bulb Angles					
FRAMING, depth of girder						SIDE KEELSONS, Number					
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						Angles or Bulb Angles					
" in way of Engine and Boiler Spaces						Plate above floors, for length					
" thickness at the ends of vessel						Intercostal Plate, for length					
" depth at 1/2 the half breadth, as per Rule						Attached to outside Plating with Angle					
" height extended at the Bilges						BILGE KEELSON, Angles					
FLOORS & BRACKETS in Cell Dble Bottoms	40		40			Intercostal Plate for length					
" state if flanged (top & bottom)						Attached to outside Plating with Angle					
" Spacing	36		36			SIDE STRINGERS, Number					
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness	42		60		60	Angle					
" Angles, Top	3 1/2	3 1/2	60	3 1/2	3 1/2	Intercostal Plate, for length					
" Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	Attached to outside plating with Angle					
" to Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	Upper Deck Stringer Plate, br'dth & thickness					
SIDE GIRDERS, number on each side & thickness	2		40			(clear of Bridge)					
" state if flanged (top and bottom)	70					br'dth & thickness					
" Angles (top and bottom)	3 1/2	3 1/2	40			(in way of Bridge)					
" to Floors	3 1/2	3 1/2	40			Angle (clear of Bridge)					
MARGIN PLATE, depth (exclusive of flange) and thickness	5	5	48	3 1/2	48	Tie Plate at sides of Hatchways					
" Angles to Outside Plating						Deck * Iron or Steel, for FULL. lng.					
" Floors						Thickness (clear of Bridge)					
" Height of Brackets above at bilge						(in way of Bridge)					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	66	58E	66B			Wood Deck, Material & thickness					
" in Engine and Boiler space		58E	66B	48E	56B	Second Deck Stringer Plate, br'dth & thickness					
" Remainder in Holds						Angles on ditto, No. ONE					
BEAMS, Upper Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel						Tie Plates outside Hatchways					
" Angles on upper edge						Deck * Iron or Steel, for FULL. lng.					
" In way of Long Bridge						Wood Deck, Material & thickness					
" Spacing						Third Deck Stringer Plate, br'dth & thickness					
BEAMS, Second Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel						Angles on ditto, No.					
" Angles on upper edge						Tie Plates, outside Hatchways					
" Spacing						Deck * Material and thickness					
BEAMS, Third and Fourth Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel						Fourth and Fifth Deck Stringer Plate, breadth & thickness					
" Angles on upper edge						Angles on ditto, No.					
" Spacing						Tie Plates outside Hatchways					
BEAMS, Poop Deck, Angle, Bulb, Angle, Plate, Tee Bulb, or Channel						Deck Material & thickness					
" Angles on upper edge						Poop Deck Stringer Plate, breadth & thickness					
" Spacing						Angle on ditto					
BEAMS, Bridge Deck, Angle, Bulb, Angle, Plate, Tee Bulb, or Channel	8 1/2	3	46	8 1/2	3	Tie Plates					
" Angles on upper edge						Deck, Material and thickness					
" Spacing	3'0"	7'4"0"		3'0"	7'4"0"	Bridge Deck Stringer Plate, br'dth & thickness					
BEAMS, Forecastle Deck, Angle, Bulb, Angle, Plate, Tee Bulb, or Channel						Angle on ditto					
" Angles on upper edge						Tie Plates					
" Spacing						Deck, Material and thickness					

Damage repairs.

in account of damage sustained during launch the vessel was examined afloat & in Elderslie Dry Dock Glasgow.

The rudder was removed & sent to forge & the following repairs executed. viz, 2 rudder arms & 1 pinle renewed.

The stern frame was examined & the 3rd gudgeon from heel was found to be severely fractured & the top gudgeon slightly strained. The fractured gudgeon was cut off & replaced by a temporary forged gudgeon, in order to permit the vessel to proceed to sea it being the owner's intention to renew the stern frame in three months time (see letter attached).

A. W. R. H. R. H.
Edward J. W. H. R. H.



PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 102.92 ft., R.Q.D. ☒ ft., Bridge 28.32 ft., Forecastle 44.75 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as should appear in the Register Book) 2 DKS (STL) 7 WEB FRMS.

Official No. ☒; Signal Letters _____ State if Machinery is fitted aft by Portland cement & paint Outside by paint

How are the surfaces preserved from oxidation? Inside by Portland cement & paint Outside by paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors. Cellular.

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft.			Fore peak tank,	22.5'	138
Double bottom, under Engines and Boilers, <u>aft.</u>	78.	123.	After peak tank,	18.0.	90
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	123.	(If necessary, furnish further information by sketch.)		

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

State whether the above have been tested as required by the Rules Yes.

Order for Special Survey No. 2654

Date 5th Aug. 1911.

No. 335. in builder's yard.

DATES OF SURVEYS held while building

1911 June 26. 28. 30. July 2. 17. 20. 24. 31. Aug. 2. 7. 11. 18. 22. 27. Sept. 12. 14. 18. 20. 25. 28. Oct. 1. 3. 9. 11. 24. 26. 30. Nov. 1. 6. 8. 14. 16. 21. 23. 27. 29. Dec. 1. 6. 8. 11. 12. 14. 19. 21. 26. 28. 1912 Jan. 5. 9. 11. 15. 18. 22. 24. 30. Feb. 1. 5. 9. 13. 16. 20. 22. 23. 28. Mar. 1. 5. 7. 11. 15. 17. 20. 25. 27. 29. Apr. 2. 4. 8. 9. 11. 12. 16. 17. 18. 19. 21. 24. 26. 27. 30. May 2. 3. 6. 7. 9. 11. 14. 16. 20. 22. 24. 27. 28. 30. 31. June 2. 4. 5. 6. 7. 8. 10. 11. 12. 13. 14. 17. 18. 20. 22. 25. 26. 27. 28. 29. July 1. 2. 3.

Total No. of Visits 13

Surveyor's Signature

A. W. R. H. R. H.

Lloyd's Register Foundation

W486-0076 3/3

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.				No. of		
	In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Diam. Spang.	Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads. Number.	Diameter. Inches.	Material	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Inches.					
AND L OF K C	TRANSVERSE FRAMING.																		
Edge 'tween Decks ...	7x	3 1/2 x	40.	7x	3 1/2 x	40.	7	3 1/2	40.	7	3 1/2	40.	7/8	5 1/4	5 1/4	7.	7/8.	fit tight	
Uppermost Continuous No. 1	7 1/2	3 1/2	40.	7	3 1/2	40.	7 1/2	3 1/2	40.	7	3 1/2	40.	"	"	"	7.	"	ush 5	
" 2	8	3 1/2	40.	7 1/2	3 1/2	40.	8	3 1/2	40.	7 1/2	3 1/2	40.	"	"	"	12.	"	✓ Dia. of t	
" 3	8	3 1/2	44	8	3 1/2	44	8	3 1/2	44	8	3 1/2	44	"	"	"	"	"	ice 10	
" 4	9	3 1/2	44	8 1/2	3 1/2	44	9	3 1/2	44	8 1/2	3 1/2	44	"	"	3 15/16	"	"	WEIRS	
" 5	10	3 1/2	44	9 1/2	3 1/2	44	10	3 1/2	44	9 1/2	3 1/2	44	"	"	"	"	"	10 1/2	
" 6	10	3 1/2	48	10	3 1/2	44	10	3 1/2	48	10	3 1/2	44	"	"	"	"	"	ridge and	
" 7	10	3 1/2	54	10	3 1/2	60	10	3 1/2	54	10	3 1/2	50	"	"	3 1/6	"	"	FEERD	
" 8	10	3 1/2	60	10	3 1/2	56	10	3 1/2	60	10	3 1/2	56	"	"	"	"	"	room & s	
" 9	12	4 1/2	40	12	3 1/2	34	12	4 1/2	40	12	3 1/2	34	"	"	3 15/16	"	"	ids alway	
" 10	14	4 1/2	40	14	3 1/2	34	14	4 1/2	40	14	3 1/2	34	"	"	"	14	"	e deep w	
" 11	14	4 1/2	40	14	3 1/2	34	14	4 1/2	40	14	3 1/2	34	"	"	"	10	"	ass cov	
" 12	15	4 1/2	40	15	3 1/2	36	15	4 1/2	40	15	3 1/2	36	"	"	"	11	"	opeller	
" 13	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	locate	
" 14	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	tion of	
" 15	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	d with	
" 16	GIRDER.	40		40	GIRDER.	40		40		40		40	"	"	"	13	"	Double	
Amidships 30	PLATE	15 x	40	15	3 1/2	36	15 x	40	15	3 1/2	36	15 x	40	"	"	"	11	"	of she
At Ends 27	ANGLES	3 1/2 x	40	3 1/2	3 1/2	34	3 1/2 x	40	3 1/2	3 1/2	34	3 1/2 x	40	"	"	"	"	circ. s	
17	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	butt st	
18	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	16	
19	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	outside	
20	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	ngthen	
Bank Top Longitudinals	✓			7 1/2	3	48	✓			7 1/2	3	48	7/8	5 1/4	4 3/8				
Bottom	✓			8	3 1/2	42	✓			8	3 1/2	42	"	"	3 1/2				
Longitudinals	Amidships	✓		✓			✓												
	At Ends...			30						30									
Transverses.																			
Depth and Thickness	TRANSVERSE FRAMING.												Rivets in Lugs to Shell Diam. Spang		IN. CARGO. HOLD.		IN. E & B. SPACE.		
Face Angles															FORWARD.		AFT.		
Lugs to Shell																			
Depth and Thickness	18	40		18	40		18	40		18	40				18 x 38.		18 x 38		
Face Angles	4	3 1/2	44	4	3 1/2	44	4	3 1/2	44	4	3 1/2	44			7 x 3 1/2 x 50. B.A.		6 x 3 1/2 x 44 ANGLE.		
Lugs to Shell	3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	7/8	3 15/16	3 1/2 x 3 1/2 x 40 SINGLE.		3 1/2 x 3 1/2 x 40 SINGLE.		
Depth and Thickness	27	46		27	46		27	46		27	46				30 x 46		34 x 46 E. 27 x 46 B.		
Face Angles	6 1/2	4	70	6 1/2	4	70	6 1/2	4	70	6 1/2	4	70			6 1/2 x 4 x 50. DOUBLE.		9 x 3 1/2 x 66 B.A.		
Lugs to Shell	3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	7/8	3 15/16	DOUBLE 6 x 6 x 40		5 x 5 x 46 FOR 3 SPACES		
Brackets																	F.S.		
Inverse Frames	11	3		11	3		11	3		11	3				9' 9"		12' 0" x 9' 0" x 12' 0"		
Joggled or liners.	8' 0" W. NO. 1 TANK																		
Bridge Deck ...	TRANSVERSE FRAMING.												Spacing.		In Ships.		As approved.		
Awg. or Shlt. Dk.															Plate.	Angles.	Plate.	Angles.	
Upper	7 1/2	3	40	7 1/2	3	40	7 1/2	3	40	7 1/2	3	40	30	Transverse		✓	✓	16	
Second	7 1/2	3	40	7 1/2	3	40	7 1/2	3	40	7 1/2	3	40	30	Beams.		✓	✓	outside	
Third																✓	✓	ngthen	

Plates of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., 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, etc., on the first page.

Material *Steel*. Thickness *1 1/8"* Pitch of stays *20 3/4" x 16 1/2"* How are stays secured *Double knots* Working pressure by rules *181 lbs* Material *Steel* Diameter at smallest part *3 3/4"* Area supported by each stay *342 sq. in.* Working pressure by rules *24 1/2 lbs* Material of Front plates at b