

With or Without
Disconnected Erections.

STEEL STEAMER.

Received at London Office JUN 4-1912

Date of completion of report
Survey held at

Port of Glasgow

Date, First Survey

Port of Greenock

9th March 1911 Last Survey

No. 16248

14th May 1912

On the

TONNAGE under

Tonnage Deck

Do. between Tonnage Dk. and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

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

24th May 1912

Port of Greenock

Date, First Survey

9th March 1911 Last Survey

No. 16248

14th May 1912

On the

TONNAGE under

Tonnage Deck

Do. between Tonnage Dk. and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of Bridge House

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Do. of Houses on Dk.

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SS JACATRA

CLASS 100 A1 LONGITUDINAL

FRAMING

Breadth (greatest moulded)

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

upper deck beams at side

Transverse Number

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

stern post

Longitudinal Number

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

Proportions—Depths to Length—Upper Deck Beam at

side to top of keel

Long Bridge Deck

Beam at side to top of keel

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock

Master

Y. Karm

Year of appointment

Built at

When built

By whom built

Owners

Managers

Residence

Port belonging to

Rotterdam

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Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
418	0	Moulded	52	9 1/2	Top of Floors to top of Upper Dk. Beams	29	1 1/4	TWO
					Do. do. do. do. Second Dk. Beams	20	1 1/4	TWO
Moulded depth, ft. 39 ins. 9 To Bridge Dk. Round of Upper Dk. Beam, Actual 13 1/4 ins.						Moulded depth, ft. 31 ins. 9 To Upper Dk.		

FRAMING.						PILLARS.					
Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Or as	Inches per Rule Or as	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Or as	Inches per Rule Or as
or E or L Bars amidships						PILLARS, In 'tween Deck, size and spacing					
						HOLD					
						Quarter 'tween Dks.					
						in Hold					
Double Bottoms at Solid Floors...						KEELSONS & STRINGERS.					
at intermdt. Bkts.						CENTRE LINE KEELSON, Vertical Plate above					
from centre to centre amidships						floors, Through Plate, or Intercoastal Plate					
from 1/2 length to Collision bulkhead						Rider Plate					
in peaks..						Flat Plate Keel Angles					
FRAME, Angles.....						Horizontal Plates on Floors					
Double Bottoms at Solid Floors...						Angles or Bulb Angles					
at intermdt. Bkts.						SIDE KEELSONS, Number					
of girder						Angles or Bulb Angles					
and thickness of Floor Plate						Plate above floors, for length...					
length for 1/2 length amidships...						Intercoastal Plate, for length					
Engine and Boiler Spaces						Attached to outside Plating with Angle...					
at the ends of vessel						BILGE KEELSON, Angles					
the half breadth, as per Rule ...						Intercoastal Plate for length					
tended at the Bilgas						Attached to outside Plating with Angle ...					
BRACKETS in Cell Dble Bottoms						SIDE STRINGERS, Number					
state if flanged (top & bottom)						Angle					
Spacing						Intercoastal Plate, for length ...					
ER, in Dbl. bottom, dpth. & thicknss.						Attached to outside plating with Angle...					
Angles, Top						Upper Deck Stringer Plate, br'dth & thickness					
Bottom						(clear of Bridge)					
to Floors						(br'dth & thickness)					
S, number on each side & thickness						(in way of Bridge)					
state if flanged (top and bottom)						Angle (clear of Bridge)					
Angles (top and bottom)						Tie Plate at sides of Hatchways					
to Floors						Deck. * Iron or Steel, for FULL lng.					
TE. depth (exclusive of flange)						Thickness (clear of Bridge)					
and thickness						(in way of Bridge)					
Angles to Outside Plating						Wood Deck. Material & thickness					
Floors						Second Deck Stringer Plate, br'dth & thickness					
Height of Brackets above at bilge						Angles on ditto, No. ONE					
OM PLATING, breadth and						Tie Plates outside Hatchways					
thickness of Middle Line Strake						Deck. * Iron or Steel, for FULL lng.					
in Engine and Boiler space						Wood Deck. Material & thickness					
Remainder in Holds						Third Deck Stringer Plate, br'dth & thickness					
Deck, Single Angle, Bulb						Angles on ditto, No.					
Angle, Plate, Tee Bulb, or Channel						Tie Plates, outside Hatchways					
les on upper edge						Deck. * Material and thickness					
ay of Long Bridge						Fourth and Fifth Deck Stringer Plate, breadth & thickness					
ing						Angles on ditto, No.					
and Deck, Single Angle, Bulb						Tie Plates outside Hatchways					
Angle, Plate, Tee Bulb, or Channel						Deck. Material & thickness					
les on upper edge						Poop Deck Stringer Plate, breadth & thickness					
ing						Angle on ditto					
and Fourth Deck, Single Angle,						Tie Plates					
Angle, Plate, Tee Bulb, or Channel						Deck. Material and thickness					
les on upper edge						Bridge Deck Stringer Plate, br'dth & thickness					
ing						Angle on ditto					
Deck, Angle, Bulb Angle, Plate,						Tie Plates					
ee Bulb, or Channel						Deck. Material and thickness					
les on upper edge						Forecastle Deck Stringer Plate, b'dth & th'kns					
ing						Angle on ditto					
ge Deck, Angle, Bulb Angle, Plate,						Tie Plates					
ee Bulb, or Channel						Deck. Material and thickness					
les on upper edge						If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.					

[illegible]

EQUIPMENT No.		47741		LETTER		Z		ANCHORS.		TONNAGE U. D. K. OR PLATING No. FOR TRAWLERS						
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 31.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.		
15132	1st Bower ...	69	3	0	Stockless			53	12	2	0	63	3	0	Stockless	Peters 86° F. 18/12/11
15138	2nd „ ...	68	1	0	-			52	15	2	0	63	3	0	-	19/12/11
15174	3rd „ ...	59	4	14	-			47	19	2	21	54	2	0	-	29/12/11
	4th „ ...	-	-	-	-			-	-	-	-	-	-	-	-	-
	Collective weight	197	1	14								182	0	0		
66158	Stream	18	3	21	4	3	15	19	14	2	0	14	2	0	Ordinary	Peters 86° F. 18/12/11
65862	Kedge.....	8	0	0	2	0	12	10	2	2	0	4	2	0	-	19/12/11

II Patent State Name of Patentee.

II Stockless, state Mechanical Tests.

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 31.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 31.			
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
46514	240	2 3/4	1650	14-1-15	682-1-11		240	2 3/4	STEEL	Peters 86° F.	18/12/11	TOWLINE 5/16" 240	90	3	18	240	3		
												HAWSERS & WARPS	90	2 1/2	12 1/2	240	2 1/2		
												" "	10	90	5	59			
												" "							
Iron Stream Chain or Steel Wire	120	5/4	65				90	1 1/4	SW										

Boats *Four* **Steering Gear, Steam** *And* **Steering Gear, Hand** *Hand*
Pumps, Number *4* **Diameter of Barrel** *5* **State whether they are in efficient working order** *Yes*
Windlass is *Steam by launch chopman* **Capstan** *Hand*
Engine Room Skylights.—How constructed? *But plate & angles* What arrangements for deadlights in bad weather? *Roll up lights*
Coal Bunker Openings.—How constructed? *But & angles* How are lids secured? *In paucing & cleats* Height above deck? *9' 9"*
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *Two Scuppers & Four ports 3-9 x 22" each side*
Ceiling in Holds, thickness and material *2 1/2" w.p. & under Lids* **Cargo Battens, thickness and material** *6 x 2 w.p.*
Cargo Hatchways.—How formed? *But plate & angles* **Hatches, If strong and efficient?** *Yes solid*
State size No. 1 Hatch (Forward) *25' 11" x 16' 1" x 34"* **No. 2 Hatch** *32' 0" x 16' 0" x 30"* **No. 3 Hatch** *32' 0" x 16' 0" x 30"* **No. 4 Hatch** *25' 11" x 16' 1" x 34"*
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *Four webs in No. 1 & 2, Lids & Four webs in No. 3 & 4*
No. of Breasthooks *Which I rejected* **No. of Crutches** *Deep floors*
Bulwarks, height above deck and description *Steel 5' 11" to 6' 0" Ship 9' 1/2" x 3" x 9"* **Main Rail, material and size** *8' 2" x 3" x 9"*
The foregoing is a correct description.
Builder's Signature (here only) *J. H. Harvey* **Surveyor's Signature** *J. Amos Craig*
Builder's Name *WILLIAM HAMILTON & CO., LIMITED* **Surveyor to Lloyd's Register of British and Foreign Shipping.**

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)
M. 19-25/11/10 12-12/11 14/2/11 28/3/11 8/4/11 8-30/5/11 30/10/11 4/2/12 14-18/3/12 21/3/12
Workmanship. Are the butts of plating planed or otherwise fitted? *Planed where practicable*
Is the riveted work properly closed? *Yes*
Are the liners between the frames and plates solid single pieces? *Frames joggled* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *Yes* Do any rivets break into or through the seams or butts of the plating? *Yes a few*
Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes*
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? *Yes* State results of tests *good*
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes* State results of tests *good*
General Remarks (State quality of workmanship, &c.) *This vessel has been built in accordance with the approved plans forwarded herewith and the Rules. The materials and workmanship are of good quality. Three findings reports are attached hereto.*

The Surveyor should state the Number of Report and Name of any Sister Vessel. *✓*
The amount of Entry Fee £ 5 : - : - **Fees applied for,** *20/5/1912*
Special Survey Fee £ 155 : 9 : - **Received by me,** *H. H. H.*
Travelling Expenses, if any £ : : - **Certificate to be sent to** *Grimsby* **Date of issue** *4/6/12*
State whether the Vessel has been built under Special Survey *Yes*
I am of opinion this Vessel should be Classed *F100 A1 LONGITUDINAL FRAMING*
With, or without Freeboard, as condition of Class *6' BH. TO UPPER DECK 1' BH. TO SECOND DECK*
Surveyor to Lloyd's Register of British and Foreign Shipping. *J. Amos Craig*

Committee's Minute *TUE JUN 4-1912*
Character assigned *100 A1*
Lloyds' as per
Time 5:12
Engin
write Gk. Lloyds

W331-01872/2



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PARTICULARS OF LONGITUDINAL FRAMING.

GENERAL REMARKS

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.			
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.			
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	
Framing of ∇ , \perp or \equiv		4	5	9	4	5	8	4	5	9	4	5	8	4	5	8	
Frames in Bridge 'tween Decks ...		4	5	9	4	5	8	4	5	9	4	5	8	4	5	8	
Frames from Uppermost Continuous Deck		4	5	9	4	5	8	4	5	9	4	5	8	4	5	8	
Framing from Awning, Shelter or Upper Deck to Margin Plate.		No. 1	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 2	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 3	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 4	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 5	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 6	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 7	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 8	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 9	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 10	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 11	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 12	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 13	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 14	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 15	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
		" 16	4	5	9	4	5	8	4	5	9	4	5	8	4	5	8
Spacing of Longitudinal Frames		30"			24"			30"			24"						
Double Bottoms		9 3 8			8 3 8			9 3 8			8 3 8			7 4 5 4			
Tank Top Longitudinals		9 3 8			8 3 8			9 3 8			8 3 8			7 4 5 4			
Bottom		9 3 8			8 3 8			9 3 8			8 3 8			7 4 5 4			
Spacing of Longitudinals		30"			24"			30"			24"						
Transverses.																	
In Bridge		15			8 15			8 15			8 15			8			
'tween Decks		5 3 9			5 3 9			5 3 9			5 3 9			5			
		3 3 4			3 3 4			3 3 4			3 3 4			7 4 4 4			
In Awning, Shelter or Upper 'tween Decks.		18			8 18			8 18			8 18			8			
		6 4 10			6 4 10			6 4 10			6 4 10			6			
		3 3 8			3 3 8			3 3 8			3 3 8			7 4 4 4			
In Hold.		26			9 26			9 26			9 26			9			
		9 3 15			9 3 15			9 3 15			9 3 15			9			
		5 5 9			5 5 9			5 5 9			5 5 9			7 4 4 4			
Brackets		8 3 9			8 3 9			8 3 9			8 3 9			8 3 9			
Spacing of Transverse Frames		12-0			APART OR AS APPROVED.												
Longitudinal Beams of ∇ , \perp or \equiv		15	Bridge Deck	4	3	9	4	3	8	4	3	9	4	3	8	39"	
		✓	Awg. or Shldr. Dk.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		13	Upper	8	3	9	8	3	8	8	3	9	8	3	8	42"	
		13	Second	8	3	9	8	3	8	8	3	9	8	3	8	45"	
		✓	Third	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

The particulars 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.

1c, 11, 10.—T.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 46.61 ft., R.Q.D. ✓ ft., Bridge 265.08 ft., Forecastle 35.49 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 it should appear in the Register Book) 2 DECK (STEEL) WEB FRAMES + LONGITUDINAL FRAMING.

Official No. _____; Signal Letters _____ State if Machinery is fitted aft No.
How are the surfaces preserved from oxidation? Inside Powdered Cement & Paint Outside Paint

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

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	132	415	Fore peak tank,	✓	51
Double bottom, under Engines and Boilers,	58-6	251	After peak tank,	✓	28
Double bottom, if under Engines only,	✓	✓	Deep tank, aft, <u>O.F. AMID.</u>	30	85.9
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	172	53.4	Other tanks, if fitted,	✓	✓
	Total capacity of double bottom	120.3	(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. 2638

Date 28th March 1911

No. 232 in builder's yard.

DATES OF SURVEYS held while building

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

Total No. of Visits 83

Surveyor's Signature

J. Amos Craig

Lloyd's Register Foundation

Rpt. 4.

Date of writing
No. in S
Reg. Book.
31 Sep. 0
Master
Engines ma
Boilers m
Registered
Nom. Horse

ENGINE

Dia. of Cyl
Is the screw
in the prop
between the
liners are f
Dia. of Tunn
collars 15

No. of Feed
No. of Bilge
No. of Donk
In Engine

No. of Bilge

Are all the bi
Are all conn
Are they fixe
Are they each
What pipes

Are all Pipe
Are the Bilge
Dates of exa
Is the Screw

BOILERS

Total Heatin
Working Pr
Can each boi
each boiler

Smallest distan
Thickness 1 7/8
long. seams

Per centages of
Size of compen
Length of plai

Working press
Pitch of stays

Material of sto
Material sh
Diameter at s
Thickness 7/8

Diameter of tu
Pitch across
thickness of gi

Working pres
separately
holes

If stiffened with
Working press