

1 or 2 Dks., R.Q.Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

No. 26752
WED. 1 JUL 1908

State if Report is also sent on the Machinery of the Vessel. *Yes.*
Date of completion of Report *25 June 1908*
Date, First Survey *16 Dec 1907*

Received at London Office
Port of *Glasgow*
Last Survey *17 June 1908*
Rig *3 masted 34 A Schooner*

Survey held at *Ayr*
On the *S.S. "Tosca"*

TONNAGE under Tonnage Deck ..	324.36
Do. of Poop	
Do. of Raised Or. Dk. or Break ..	74.61
Do. of Bridge House	15.68
Do. of Forecastle <i>Side House</i>	1.59
Do. of Houses on Deck	9.16
Do. of excess of Hatchways	23.92
Do. above Crown of Engine Room ..	
Gross Tonnage	449.32
Less Crew Space	36.33
Less above Crown of Engine Room ..	
TONNAGE FOR FEES ..	412.99
Less Engine Room	209.05
Less Navigation Spaces <i>79/act. 36.54</i>	
Register Tonnage as cut on Beam ..	169.40

ONE OR TWO DECKED VESSEL.
CLASS *100 A1.*

Half Breadth (moulded)	12.75
Depth from upper part of Keel to top of Main Deck Bms. (with the normal round up of beam)	12.79
Girth of Half Midship Frame (as per Rule)	23.18
1st Number	48.72
Length on deck from after part of stem to fore part of stern post	153.94
2nd Number	7499
Proportions—Breadths to Length	6.03
Depths to Length—Main Deck to top of Keel	12.04

Master *Thomas Mc Larnock*

Year of appointment (1) As master in service of owner of present vessel, 1608 (2) As master of this vessel 1908

Built at *Ayr*

When built *1908* Launched *2nd May/08.*

By whom built *Alisa S.B. Co. Ltd.*

Owners *Mrs S. A. Smith.*

Managers *H. H. S. Smith & Co.*

Residence *Glasgow*

Port belonging to *Ayr.*

Destined Voyage *Coasting* If Surveyed while Building, Afloat, or in Dry Dock *and afloat.*

LENGTH on Deck as per Rule	Feet. 153	Inches. 11	BREADTH—Moulded	Feet. 25	Inches. 6	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	Feet. 11	Inches. 5	No. of Decks with Flat laid 1 R.Q.D.	No. of Tiers of Beams 1 R.Q.D.
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Dimensions of Ship per Register, Length, *155.4* breadth, *25.65* depth, *11.1* Moulded Depth, *12 ft. 3* ins. Round of Beam, Actual *6 1/2* ins.

FRAMING.				FORGINGS AND CASTINGS.			
	Inches in Ship	Inches in Ship	Inches in Ship		Inches in Ship	Inches in Ship	Inches in Ship
FRAME, Angles, <i>7-E or L Bars</i> , for $\frac{1}{2}$ length amidships	3	3	7	KEEL, Bar or Side Plates, depth and thickness	7 x 15/8	7 x 15/8	7 x 15/8
Do. for $\frac{1}{2}$ at each end	3	3	6	STEM, moulding and thickness	7 1/2 x 15/8	6 1/4 x 15/8	6 1/4 x 15/8
Do. in way of Double Bottoms at Solid Floors ..				STERN-POST for Rudder do. do.	6 1/2 x 3 1/4	6 1/2 x 3 1/4	6 1/2 x 3 1/4
at intermdt. Bkts.				for Propeller	6 1/2 x 3 1/4	6 1/2 x 3 1/4	6 1/2 x 3 1/4
Spacing of Frames from centre to centre	21		21	MAIN PIECE of Rudder, diameter at head ...	5	5	5
REVERSED FRAME, Angles	2 1/2	2 1/2	6	do. at heel ...	3 3/8	3 3/8	3 3/8
DEEP FRAMING, depth of girder				RUDDER, how constructed <i>Forged frame and single plate 14/20.</i>			
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	16 1/2 x 6	16 1/2 x 6	16 1/2 x 6	Can the Rudder be unshipped afloat? <i>Yes.</i>			
in way of Engines and Boilers	4 1/2 x 10	3 1/2 x 8	2 1/2 x 6				
thickness at the ends of vessel		5	5				
depth at $\frac{1}{2}$ the half breadth, as per Rule ..							
height extended at the Bilges							
FLOORS & BRACKETS, in Cell Dble Bottoms ..							
state if flanged (top & bottom)							
Spacing							
CENTRE GIRDER, in Double Bottom, depth and thickness							
Angles, Top							
Bottom							
SIDE GIRDERS, number on each side & thickness ..							
state if flanged (top & bottom)							
Angles							
MARGIN PLATE, depth (exclusive of flange) and thickness							
Angles to Outside Plating							
Floors							
Height of Floors at the Bilges							
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake ..							
thickness in Engine and Boiler space ..							
Remainder in Holds							
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb ..	5	3	6				
Angles on Upper Edge							
Spacing	21		21				
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							
Angles on Upper Edge							
Spacing							
BEAMS, Hold, Plate or Tee Bulb							
Angles on Upper Edge							
Spacing							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb							
Angles on Upper Edge							
Spacing							
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb	4 1/2	3	7				
Angles on Upper Edge							
Spacing	4 1/2		4 1/2				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	5	3	7				
Angles on Upper Edge							
Spacing	4 1/2		4 1/2				
CLARS, In 'tween Decks, Size and Spacing ..							
Hold	2 1/2 x 3	2 1/2 x 3	2 1/2 x 3				
Quarter, 'tween Dks., " " ..							
in Hold							
WEB FRAMES, In Fore Body, No. and Spacing ..							
Brth. & Thickness							
No. of Side Stringers							
WEB FRAMES, In E. & B. Space, No. and Spacing ..	2		6				
Brth. & Thickness	15		15				
WEB FRAMES, In After Body, No. and Spacing ..	2		6				
Brth. & Thickness	15		15				
No. of Side Stringers							
Size of Angles or Tee Bars to Web Frames ..	4	3	7				
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness							

Rpt. 1A. 1m.47.

008608-008617-0135

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.						PER RULE OR AS APPROVED.		EDGES.				BUTTS.						
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Inches.			Spacing or to cr.	Diam.		Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.
Flat Plate Keel (If Bar Keel, state Riveting)	31	9	8	8	31	9			Double	4 1/2	3/4	3	D. R.	3/4	2 5/8	9 3/4	9		
GARBOARD OF A Strake									"	"	"	"	"	"	"				
State actual thickness in way of Double Bottom.									"	"	"	"	"	"	"				
B "		8	8	6		8			"	"	"	"	"	"	"			7 1/2	whole
C "		8	7	6		8			"	"	"	"	"	"	"			"	"
D "		8	6	6		8			"	"	"	"	"	"	"			"	"
E "		8	6	6		8			"	"	"	"	"	"	"			"	"
F "		7	6	6		7			Single	2 1/2	"	"	"	"	"			"	"
Sheerstrake	33	11	8	8	32	11			Double	4 1/2	"	"	D. R.	7/8	3 5/8	11 1/4	12		
H "																			
J "																			
K "																			
L "																			
M "																			
N "																			
O "																			
P "																			
DOUBLING OF Flat Plate Keel																			
Length and thickness of Bilges		9	3/4	rubbing plate for about 80'-9" amidships															
of Sheerstrakes	25	7	for 30 feet in way of break, Q. & D. also																
of Strake below	9	3/4	for about 375 length amidships																
POOP SIDES																			
RAISED QUARTER DECK SIDES		7 5/6				7 5/6													
BRIDGE SIDES		5				5													
FORECASTLE SIDES			5			5													
LENGTHS OF PLATING	8 frame spaces																		

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, outside Plating, &c. ? *Open Hearth, D. Colville & Sons Ltd., The Lanarkshire Steel Works, The Glasgow Iron & Steel Works, The Steel Works of Scotland Ltd.*

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

Main Stringer Plate { Butts, treble riveted for at hatchways, length amidship, double, elsewhere. Straps, single, double or overlapped for whole length amidship.

Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? *as required*

Inner Bottom Plating, riveting of Edges — Butts

Centre Girder Butts, — riveted. Keelson Butts, Treble riveted.

Frames, riveted through Plates with *3/4* in. Rivets, about *7 5/6* lbs apart.

Rivets, state whether of Iron or Steel *Iron*

FRAMES extend in one length from *Centre line* to *gunwale* state if ordinary or joggled *ordinary*

REVERSED FRAMES on floors and frames extend from *Centre line to bilge stringer and gunwale alternately in way of R. & D. to side stringer and gunwale alternately, doubled across floors in E & B spaces* state if ordinary or joggled *ordinary*

MASTS, SPARS, &c.											
	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
3 Pole	P. Pine	24-6	14"								
LOWER MASTS...	Fore	42-6	14"								
	Main	42-0	14"								
	Mizen	27-6	10								
Bowsprit											
Topmasts, Yards and Remainder of Spars	<i>Pine.</i>										
Rigging, Material and Size, Shrouds	<i>Salv. Steel wire 3/4 in. 2 1/2, mizen 2"</i>										
Sails.	<i>one</i>	Suit of									

ANCHORS.										Tonnage U.Dk. or Plating No. for Trawlers						
Number of Certificate.	Anchors.	WEIGHT, EX STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 22.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.			
10037	1st Bower	10	1	14	8	12	6	2	7	10	1	0	Rye's Stockless	not stated	Jundaland, 28.8.07, Kelly	
10054	2nd "	10	1	0	"	12	4	1	14	Stockless			"	"	29.9.07	
10863	3rd "	8	3	7	"	11	0	0	0	"			"	"	14.4.08	
	Collective weight	29	1	21		29	1	0								
60775	Stream	3	2	2	0	3	6	0	3	21	3	2	0	Ordinary	Hingley, Sons & Co. Ketterton, 31.3.08, Green	
60774	Kedge	1	1	20	0	1	26	3	18	3	0	1	2	0	"	

(Also mechanical tests as required.)

CHAIN CABLES.										HAWERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.		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 22.				
	Length.	Diam.		Supplied.	Per Table 22.	Length.	Diam.					Length.	Cir.		Length.	Cir.			
41799	90 1/2	1 1/2	20 3/4	32.3.14	95.1.9	165	1 1/2	Stud	Hingley, Sons & Co. Ketterton, 26.3.08		TOWLINE	75	2 1/2	12 1/2	75	2 1/2			
41802	75	"	"	44.0.22				"	"	Green		HAWERS & WARPS	90	2	7	90	2		

Boats *2 life boats and a dinghy.*

Pumps, Number *two* Diameter of Barrel *1-5"* State whether they are in efficient working order *Yes.*

Windlass is *efficient.* (Clarke Chapman's) Capstan *aph. Fishers' Paisley.* efficient.

Engine Room Skylights.—How constructed? *of lead*

What arrangements for deadlights in bad weather? *Lead lids with strong glass and guard bars, also tarpaulin*

Coal Bunker Openings.—How constructed? *plates and angles on top of E & B casings* How are they secured? *in usual way* Height above deck? *about 7 ft.*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Two nos. of scuppers and 3 nos. of freeing ports 2' 5" x 1' 4"*

Ceiling in Holds, thickness and material *2 1/2" P. Pine, with 1 1/2" Cargo Battens, thickness and material 2" P. Pine the ceiling on sides.*

Cargo Hatchways.—How formed? *by plates and angles, as on upper plates.* Hatches.—If strong and efficient? *Yes and solid*

State size No. 1 Hatch (Forward) *24'-0" x 15'-6"* No. 2 Hatch *21'-9" x 15'-6"* No. 3 Hatch — No. 4 Hatch —

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *2 Shifting web plates and three fore and afters in each hatch way.*

No. of Breasthooks *2.* No. of Crutches deck floor aft. *5 x 2 1/2" x 6' 20."*

Bulwarks, height above deck and description *4' 3"; 5/16" steel plating* Main Rail and Stays, material and size *Rail 5 x 2 1/2" x 6' 20."*

The above is a correct description. *ALBA SHIPBUILDING CO. LIMITED.* Surveyor's Signature *J. J. S. Innes*

Builder's Signature (here only) *W. H. Wallace* Director. Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case)

From the Secretary, M- 12th Nov 07, 28th Nov 07 and M- 11th Decr 07.

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed where possible.*

Is the riveted work properly closed? *yes.*

Are the liners between the frames and plates solid single pieces? *yes.*

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? *in a few cases*

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. 23, par 24)? *yes.*

State results of tests *Satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *yes.*

State results of tests *Satisfactory*

General Remarks (State quality of workmanship, &c.) *Workmanship and materials, good.*

This steel screw steamer has been built in accordance with the Rules and the accompanying plans submitted to and approved by the Committee, as per Secretary's letters above referred to.

In some respects, this vessel has been constructed in excess of the Rule requirements.

She has a topgallant forecabin, bridge and raised quarter deck of the lengths stated under.

Has been constructed to carry water ballast in the fore and after peaks.

This is a very similar vessel to the "Senga" Glasgow Report 22740.

also to the "Sheila" Glasgow Report 23648; Her R.D. B & Wells are 3' higher in this vessel.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop—ft., R.Q.D. or Break *8.75 ft.* Bridge Dk *10.5 ft.* F' castle *23.0 ft.*
(in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated

R.Q.D. is joined to B.D.

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) *1 St. (Stc)*

Official No. ; Signal Letters

State if Machinery is fitted aft *yes.*

How are the surfaces preserved from oxidation? Inside *Cemented and coated with paint* Outside *Coated with paint.*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors *no double bottom.*

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	<i>27</i>	<i>48</i>
Double bottom, under Engines and Boilers,			After peak tank,	<i>10.5</i>	<i>36</i>
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 *✓*

(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

Order for Special Survey No. *4286*

Date *13th Dec 1907*

No. *208* in builder's yard.

Dates of Surveys held while building

1907. Dec. 16. 1908 Jan. 3. 23. 28. 31. Feb. 3. 6. 13. 18. 25. Mar. 2. 5. 5. 7. 14. 16. 23. 25. 30. Apr. 6. 14. 16. 20. 23. 27. 28. 29. May. 1. 5. 11. 15. June 3. 5. 8. 12. 15. 17.

Total No. of Visits *37.*

The amount of Entry Fee £ *2 : - -*

Fees applied for, *25/6/1908*

Special..... £ *20 : 13 : -*

Received by me, *29/6/1908*

Travelling Expenses, if any £ *2 : 19 : 6*

Certificate to be sent to *Glasgow.*

State whether the Vessel has been built under Special Survey *yes.*

I am of opinion this Vessel should be Classed ** 100 A 1.*

With, or without Freeboard, as condition of Class *without.*

D. Simmetto
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *GLASGOW 30 JUN. 1908*

Character assigned *+ 100 A 1. (Steel)*

6.08.

Lloyd's and

+ LMC 6.08