

# With or Without Disconnected Erections.

# STEEL STEAMER.

Received at London NOV. 17. 1913

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

Date of completion of report *13 November*

Port of *Palmouth*

No. *5448*

Survey held at *Palmouth*

Date, First Survey *26 February 1913*

Last Survey *8 November*

1913

On the *Steel screw tug Minas*

Rig *Schooner*

TONNAGE under Tonnage Deck *49.07*

CLASS *100 A1 for living purposes*

Master *Lieut J. A. Rogers* *to take and only*

Do. between Tonnage Dk. and 3rd and 4th Dk. *49.07*

Year of appointment *(1) As Master in service of owner of present vessel - 19*  
*(2) As Master of this vessel - 19*

Total under Upper Dk. *49.07*

Breadth (greatest moulded) *15.0*

Built at *Palmouth*

Do. of Poop *49.07*

Depth, at middle of length from top of keel to top of upper deck beams at side *7.5*

When built *1913* Launched *22.10.13*

Do. of R.Q.Dk. *49.07*

Transverse Number *22.5*

By whom built *Box & Co Engineers Ltd*

Do. of Bridge House *49.07*

Length on deck from fore part of stem to after part of stern post *65.0*

Owners *Messrs Wilson Low & Co Ltd*

Do. of Forecastle *49.07*

Longitudinal Number *1462.5*

Managers

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

Residence *Leahurst House London E.C.*

Do. of Houses on Dk. *49.07*

Depth "d," at middle of length (See Secs. 2 & 13) *7.12*

Port belonging to *Rio de Janeiro*

Do. of excess of Hatchways *49.07*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *8.66*

" " Long Bridge Deck Beam at side to top of keel

Do. above Crown of *49.07*

Destined Voyage *Rio de Janeiro* If Surveyed while Building, Afloat, or in Dry Dock *Building & afloat*

Room *49.07*

on Deck Rule *65* Breadth Moulded *15* Depth, Actual—Top of Floors to top of Upper Dk. Beams *7* No. of Decks with flat laid *one*

ion Spaces *3.0*

Do. do. do. do. Second Dk. Beams *1 1/2* No. of Tiers of Beams *one*

onnage *6.66*

of Ship per Register, Length *65* breadth *15.1* depth *7.11* Moulded depth, ft. *7* ins. *1 1/2* To Bridge Dk. Round of Upper Dk. Beam, Actual *4* ins.

FRAMING. Inches in Ship. Inches in Ship. Inches in Ship. Inches per Rule Or as Approved. Inches per Rule Or as Approved. FORGINGS or CASTINGS. Inches in Ship. Inches per Rule Or as Approved.

Angles, or [ or ] Bars amidships *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* KEEL, Bar, depth and thickness *5 x 1 1/8* *5 x 1 1/8*

peaks *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* STEM, moulding and thickness *5 x 1 1/8* *5 x 1 1/8*

way of Double Bottoms at Solid Floors *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* STERN-POST for Rudder do. do. *5 x 2 1/4* *5 x 2 1/4*

at intermdt. Bkts. *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* " for Propeller *5 x 2 1/4* *5 x 2 1/4*

of Frames from centre to centre amidships *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* RUDDER—A x D\* Table 22 *3 1/4* *3 1/4*

from *5.0* " Main-Piece, diameter at head *3 1/4* *3 1/4*

length to Collision bulkhead *21* " " at heel *2 1/4 x 2* *2 1/4 x 2*

in peaks *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* RUDDER, how constructed *Forged frame side plates .24*

USED FRAME, Angles *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* *2 1/4* Can the Rudder be unshipped afloat? *Yes*

NG, depth of girder *8 3/4* *8 3/4* *8 3/4* *8 3/4* *8 3/4* *8 3/4* KEELSONS & STRINGERS. Inches in Ship. Inches in Ship. Inches in Ship. Inches per Rule Or as Approved. Inches per Rule Or as Approved.

IS, depth and thickness of Floor Plate *8 3/4* *8 3/4* *8 3/4* *8 3/4* *8 3/4* *8 3/4* CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate *6 x 3/8* *6 x 3/8*

at mid-line for  $\frac{1}{2}$  length amidships *8 3/4* *8 3/4* *8 3/4* *8 3/4* *8 3/4* *8 3/4* " Rider Plate *6 x 3/8* *6 x 3/8*

way of Engine and Boiler Spaces *8 3/4* *8 3/4* *8 3/4* *8 3/4* *8 3/4* *8 3/4* " Flat Plate Keel Angles *4 x 3* *4 x 3*

thickness at the ends of vessel *8 3/4* *8 3/4* *8 3/4* *8 3/4* *8 3/4* *8 3/4* " Horizontal Plates on Floors *4 x 3* *4 x 3*

depth at  $\frac{1}{2}$  the half breadth, as per Rule *6* *6* *6* *6* *6* *6* " Angles or Bulb Angles *3 x 3* *3 x 3*

eight extended at the Bilges *18* *18* *18* *18* *18* *18* " Plate above floors, for length *3 x 3* *3 x 3*

IS & BRACKETS in Cell Dble Bottoms *18* *18* *18* *18* *18* *18* " Intercoastal Plate, for length *3 x 3* *3 x 3*

" state if flanged (top & bottom) *18* *18* *18* *18* *18* *18* " Attached to outside Plating with Angle *3 x 3* *3 x 3*

" Spacing *18* *18* *18* *18* *18* *18* " BILGE KEELSON, Angles *3 x 3* *3 x 3*

CE GIRDER, in Dbl. bottom, dpth. & thcknss. *18* *18* *18* *18* *18* *18* " Intercoastal Plate, for length *3 x 3* *3 x 3*

" Angles, Top *18* *18* *18* *18* *18* *18* " Attached to outside Plating with Angle *3 x 3* *3 x 3*

" " Bottom *18* *18* *18* *18* *18* *18* " SIDE STRINGERS, Number *2 1/4* *2 1/4*

" " to Floors *18* *18* *18* *18* *18* *18* " Angle *2 1/4* *2 1/4*

GIRDERS, number on each side & thickness *18* *18* *18* *18* *18* *18* " Intercoastal Plate, for *2 1/4* *2 1/4*

" state if flanged (top and bottom) *18* *18* *18* *18* *18* *18* " Attached to outside plating with Angle *2 1/4* *2 1/4*

" Angles *18* *18* *18* *18* *18* *18* " Upper Deck Stringer Plate, br'dth & thickness *3 3/8* *3 3/8*

IN PLATE, depth (exclusive of flange) *18* *18* *18* *18* *18* *18* " (clear of Bridge) *3 3/8* *3 3/8*

and thickness *18* *18* *18* *18* *18* *18* " " " (in way of Bridge) *4 x 3* *4 x 3*

" Angles to Outside Plating *18* *18* *18* *18* *18* *18* " " " Angle (clear of Bridge) *4 x 3* *4 x 3*

" Floors *18* *18* *18* *18* *18* *18* " " Tie Plate at sides of Hatchways *6 x 3* *6 x 3*

" Height of Brackets above at bilge *18* *18* *18* *18* *18* *18* " " " Iron or Steel, for *6 x 3* *6 x 3*

BOTTOM PLATING, breadth and thickness of Middle Line Strake *18* *18* *18* *18* *18* *18* " " Thickness (clear of Bridge) *6 x 3* *6 x 3*

" " in Engine and Boiler space *18* *18* *18* *18* *18* *18* " " " (in way of Bridge) *6 x 3* *6 x 3*

" Remainder in Holds *18* *18* *18* *18* *18* *18* " " " Wood Deck, Material & thcknss *4 x 2 1/2* *4 x 2 1/2*

Upper Deck, Single Angle, Bulb *18* *18* *18* *18* *18* *18* " Second Deck Stringer Plate, br'dth & thickness *4 x 2 1/2* *4 x 2 1/2*

Angle, Plate, Tee Bulb, or Channel *18* *18* *18* *18* *18* *18* " Angles on ditto, No. *4 x 2 1/2* *4 x 2 1/2*

Angles on upper edge *18* *18* *18* *18* *18* *18* " Tie Plates outside Hatchways *4 x 2 1/2* *4 x 2 1/2*

Spacing *18* *18* *18* *18* *18* *18* " Deck, Iron or Steel, for *4 x 2 1/2* *4 x 2 1/2*

Second Deck, Single Angle, Bulb *18* *18* *18* *18* *18* *18* " " " lng. *4 x 2 1/2* *4 x 2 1/2*

Angle, Plate, Tee, Bulb, or Channel *18* *18* *18* *18* *18* *18* " " " Wood Deck, Material & thickness *4 x 2 1/2* *4 x 2 1/2*

Angles on upper edge *18* *18* *18* *18* *18* *18* " Third Deck Stringer Plate, br'dth & thickness *4 x 2 1/2* *4 x 2 1/2*

Spacing *18* *18* *18* *18* *18* *18* " Angles on ditto, No. *4 x 2 1/2* *4 x 2 1/2*

Third or Fourth Deck, Single Angle, Bulb *18* *18* *18* *18* *18* *18* " Tie Plates, outside Hatchways *4 x 2 1/2* *4 x 2 1/2*

Bulb Angle, Plate, Tee Bulb, or Channel *18* *18* *18* *18* *18* *18* " Deck, Material and thickness *4 x 2 1/2* *4 x 2 1/2*

Angles on upper edge *18* *18* *18* *18* *18* *18* " Fourth and Fifth Deck Stringer Plate, br'dth & thickness *4 x 2 1/2* *4 x 2 1/2*

Spacing *18* *18* *18* *18* *18* *18* " Angles on ditto, No. *4 x 2 1/2* *4 x 2 1/2*

Fourth or Fifth Deck, Plate, Tee *18* *18* *18* *18* *18* *18* " " " Tie Plates outside Hatchways *4 x 2 1/2* *4 x 2 1/2*

Bulb, or Channel *18* *18* *18* *18* *18* *18* " " " Deck, Material & thickness *4 x 2 1/2* *4 x 2 1/2*

Angles on upper edge *18* *18* *18* *18* *18* *18* " Poop Deck Stringer Plate, breadth & thickness *4 x 2 1/2* *4 x 2 1/2*

Spacing *18* *18* *18* *18* *18* *18* " Angle on ditto *4 x 2 1/2* *4 x 2 1/2*

Poop Deck, Angle, Bulb Angle, Plate *18* *18* *18* *18* *18* *18* " Tie Plates *4 x 2 1/2* *4 x 2 1/2*

Tee Bulb, or Channel *18* *18* *18* *18* *18* *18* " Deck, Material and thickness *4 x 2 1/2* *4 x 2 1/2*

Angles on upper edge *18* *18* *18* *18* *18* *18* " Bridge Deck Stringer Plate, br'dth & thickness *4 x 2 1/2* *4 x 2 1/2*

Spacing *18* *18* *18* *18* *18* *18* " Angle on ditto *4 x 2 1/2* *4 x 2 1/2*

Forecastle Deck, Angle, Bulb Angle, Plate *18* *18* *18* *18* *18* *18* " Tie Plates *4 x 2 1/2* *4 x 2 1/2*

Plate, Tee Bulb, or Channel *18* *18* *18* *18* *18* *18* " Deck, Material and thickness *4 x 2 1/2* *4 x 2 1/2*

Angles on upper edge *18* *18* *18* *18* *18* *18* " Forecastle Deck Stringer Plate, br'dth & th'kns *4 x 2 1/2* *4 x 2 1/2*



PLATING.										RIVETING.									
AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.		BUTTS.											
STRAKES.		AMIDSHIP.		FORWARD.		AFT.		Ordinary or Joggled?		RIVETS.		STRAPS.		IF LAPPED.					
Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.				
FLAT PLATE KEEL	33	1/2	1/2	1/2	1/2	1/2	1/2	Single	2 1/4	5/8	2 1/2	Double	5/8	2 1/4	8"	1/2"			
GARBOARD OF A STRAKE	30	1/2	1/2	1/2	1/2	1/2	1/2	"	"	"	"	"	"	"	"	"			
State actual thickness in way of Double Bottom.	28	1/2	1/2	1/2	1/2	1/2	1/2	"	"	"	"	"	"	"	"	"			
B	28	1/2	1/2	1/2	1/2	1/2	1/2	"	"	"	"	"	"	"	"	"			
C	28	1/2	1/2	1/2	1/2	1/2	1/2	"	"	"	"	"	"	"	"	"			
D	28	1/2	1/2	1/2	1/2	1/2	1/2	"	"	"	"	"	"	"	"	"			
E	29	1/2	1/2	1/2	1/2	1/2	1/2	"	"	"	"	"	"	"	"	"			
F	32	1/2	1/2	1/2	1/2	1/2	1/2	"	"	"	"	"	"	"	"	"			
G	27	1/2	1/2	1/2	1/2	1/2	1/2	"	"	"	"	"	"	"	"	"			
H								"	"	"	"	"	"	"	"	"			
J								"	"	"	"	"	"	"	"	"			
K								"	"	"	"	"	"	"	"	"			
L								"	"	"	"	"	"	"	"	"			
M								"	"	"	"	"	"	"	"	"			
N								"	"	"	"	"	"	"	"	"			
O								"	"	"	"	"	"	"	"	"			
P								"	"	"	"	"	"	"	"	"			
Q								"	"	"	"	"	"	"	"	"			
R								"	"	"	"	"	"	"	"	"			
S								"	"	"	"	"	"	"	"	"			
DOUBLING OF FLAT PLATE KEEL																			
" Sheerstrakes																			
Length and thickness.																			
POOP SIDES																			
SHORT BRIDGE SIDES																			
FORECASTLE SIDES																			

Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

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, Plating, &c. *Plates & Angle. South Durham Steel Company, Stockton on Tees, Connell & Co. Lanarkshire Steel Co. Siemens process*

Upper Deck Butts, double riveted for *whole* length amidship.  
 Stringer Plate (Straps, single, double or overlapped for *whole* length amidship.  
 Second Deck Butts, riveted for *whole* length amidship.  
 Stringer Plate (Straps, single or overlapped for *whole* length amidship.  
 Butts of Side Stringers *double* riveted.  
 Tie Plates *double* riveted.  
 Inner Bottom Plating, riveting of Edges *Butts*  
 Centre Girder Butts, riveted *Keelson Butts, double* riveted.  
 Frames, riveted through Plates with *5/8* in. Rivets, about *1 1/4* apart.  
 Rivets, state whether Iron or Steel *Steel*

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

FRAMES extend in one length from *Keel* to *gunwale* State if ordinary or joggled *ordinary*  
 REVERSED FRAMES on floors and frames extend from *Ridge to bilge* State if ordinary or joggled *ordinary*

MASTS, SPARS, &c.													
LOWER MASTS.	Fore	Main	Mizen	Bowsprit	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
					At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.

Topmasts, Yards and Remainder of Spars *Square sail yard*  
 Rigging, Material and Size, *Shrouds steel wire* Stays *steel wire*  
 Sails. Suit of Sails, and the following spare sails

EQUIPMENT No.		LETTER		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.
14493	1st Bower	2 3 0	3 0	5 5 0 0	2 3 0	Ordinary	<i>not submitted</i>
14494	2nd "	2 3 0	3 8	5 5 0 0	2 3 0	"	<i>not submitted</i>
14495	3rd "	1 2 4	1 20	3 18 3 0	1 2 0	"	<i>not submitted</i>
	4th "						<i>not submitted</i>
	Collective weight	9 0 4			9 0 0		
	Stream						
	Kedge						

CHAIN CABLES.										HAWSEERS 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.						
			Cwts. qrs. lbs.	Tons. cwt. qrs. lbs.						Length.	Cir.		Length.	Cir.					
13237	60 1 1/4	8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60	14 3 7	14 3 7	60	1 1/4	<i>not submitted</i>	<i>not submitted</i>	Iron	60	1 1/4	60	1 1/4	60					

Boats *Two*  
 Pumps, Number *Three*  
 Windlass is *cast iron*  
 Engine Room Skylights.—How constructed? *Leak skylight on steel coaming*  
 What arrangements for deadlights in bad weather? *Bulb eyes*  
 Coal Bunker Openings.—How constructed? *Cast iron rings* How are lids secured? *bar wedged* Height above deck? *2'*  
 Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *3 scuppers on each side 11 x 2 1/2*  
 Ceiling in Holds, thickness and material *1 1/2"*  
 Cargo Hatchways.—How formed? *1 1/2"* Cargo Battsens, thickness and material *1 1/2"*  
 Hatches, If strong and efficient?  
 State size No. 1 Hatch (Forward) *No. 2 Hatch* *No. 3 Hatch* *No. 4 Hatch*  
 Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch  
 No. of Breasthooks *2* No. of Crutches *2*  
 Bulwarks, height above deck and description. *2' 6" steel* Main Rail, material and size *6 x 2 1/2"*  
 The above is a correct description.  
 Builder's Signature (here only) *W. & B. (Engineers) Ltd.* Surveyor's Signature *J. H. Landry*  
 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) *11 January 1913, 18 January, 31 January 1913 Feb 13—authorizing survey. 1 Nov 2/12*

Workmanship. Are the butts of plating planed or otherwise fitted? *chipped & filed*

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 facing surfaces? *Yes* Do any rivets break into or through the seams or butts of the plating? *No*

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 *very good*

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes* State results of tests *very good*

General Remarks (State quality of workmanship, &c.) *Good. This vessel is well built in accordance with the Rules, and the Annexed drawings, Midship section, Profile, deck plan, Stern and Rudder frame, The fore & after peak, tested by filling to the load water line, and found satisfactory. I am of opinion she is eligible to be classed 100 A1 for lowly purposes.*

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. *—* ft., Bridge *—* ft., Forecastle *—* 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).

Official No. *not known*—Signal Letters *not known* State if Machinery is fitted aft *No*

How are the surfaces preserved from oxidation? Inside *paint & cement* Outside *Raint*

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

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
Feet.	Tons.	Feet.	Tons.		
Double bottom, aft.	<i>✓</i>	<i>✓</i>	Fore peak tank.	<i>✓</i>	<i>✓</i>
Double bottom, under Engines and Boilers.	<i>✓</i>	<i>✓</i>	After peak tank.	<i>✓</i>	<i>✓</i>
Double bottom, if under Engines only.	<i>✓</i>	<i>✓</i>	Deep tank, aft.	<i>✓</i>	<i>✓</i>
Double bottom, if under Boilers only.	<i>✓</i>	<i>✓</i>	Deep tank, forward.	<i>✓</i>	<i>✓</i>
Double bottom, forward.	<i>✓</i>	<i>✓</i>	Other tanks, if fitted.	<i>✓</i>	<i>✓</i>

\* 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. *181*

Date *13 February 1913*

No. *154* in builder's yard.

DATES OF SURVEYS held while building

*February 26, March 10, April 11, 17, 23, 29, May 7, 15, June 10, 19, July 13, 14, 16, August 26, 28, September 2, 6, 10, 15, 22, 25, October 2, 7, 10, 15, 17, 23, November 7, 8.*

Total No. of Visits *29.*

The amount of Entry Fee *£ 1 : 0 : 0* Fees applied for, *14 Nov 1913*  
 Special Survey Fee *£ 7 : 0 : 0* Received by me, *15 Nov 1913*  
 Travelling Expenses, if any *£ — : — : —* *J. H. Landry*

State whether the Vessel has been built under Special Survey *Yes*

I am of opinion this Vessel should be Classed *\* 100 A1 for lowly purposes*

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

Committee's Minute

Character assigned *100 A1 for lowly purposes*

TUE. NOV. 10. 1913

*Lloyd's & B.P.* *+ Lm. 10.13*

The Surveyor is requested not to write on or below the Committee's Minute.

© 2020 Lloyd's Register Foundation