

With or Without
Disconnected Erections.

STEEL STEAMER.

Received at London Office *CATSE 18.1911*

Date of completion of report *12th September 1911.*

Port of Hull

No. *24207*

Survey held at *Gravel*

Date, First Survey *March 10th*

Last Survey *September 5th 1911*

On the *Screw Steamer "MORENO."*

Rig *a Signal pole*

TONNAGE under Tonnage Deck *164.65*

CLASS *A1. "Super-Coasting"*

Master *✓*

Year of appointment *(1) As Master in service of owner of present vessel - 1911 (2) As Master of this vessel - 1911*

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

Breadth (greatest moulded) *22.90*

Built at *Gravel*

Total under Upper Dk.

Depth, at middle of length from top of keel to top of upper deck beams at side *11.00*

When built *1911* Launched *15th June*

Do. of Poop

Transverse Number *33.90*

By whom built *Gravel Shipbuilding & Repairing Co. Ltd.*

Do. of R.Q.Dk.

Length on deck from fore part of stem to after part of stern post *100.00*

Owners *Compania Argentina de Navegacion*

Do. of Bridge House

Longitudinal Number *3390*

Managers *Nicolas Mihailovich*

Do. of Forecastle

Depth "d," at middle of length (See Secs. 2 & 13) *10.00*

Residence *Buenos Ayres.*

Do. of Houses on Dk.

Proportions—Depth to Length—Upper Deck Beam at side to top of keel *9.09*

Port belonging to *Buenos Ayres.*

Do. of excess of Hatchways

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

Destined Voyage *Buenos Ayres* If Surveyed while Building, Afloat, or in Dry Dock *Yes.*

Do. above Crown of Engine Room

Do. of Poop

No. of Decks with flat laid *One*

Gross Tonnage *204.03*

Do. of R.Q.Dk.

No. of Tiers of Beams *One*

Less Crew Space *32.22*

Do. of Bridge House

Moulded depth, ft. *✓* ins. *0* To Bridge Dk. Round of Upper Dk. Beam, Actual *52 1/4* ins.

Less above Crown of Engine Room *23.91*

Do. of Forecastle

Moulded depth, ft. *11* ins. *0* To Upper Dk.

TONNAGE FOR FEES *147.90*

Do. of Houses on Dk.

Dimensions of Ship per Register, Length *100.0* breadth *23.15* depth *10.45*.

Less Engine Room *149.43*

Do. of excess of Hatchways

FRAMING. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship.

Less Navigation Spaces *12.60*

Do. of Crown of Engine Room *23.91*

PILLARS. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship.

Register Tonnage *9.48*

Do. of Poop

KEELSONS & STRINGERS. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship.

on Beam

Do. of R.Q.Dk.

Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge) *56 5 56 5*

TH on Deck per Rule

Do. of Bridge House

" " " " br'dth & thickness (in way of Bridge) *3 x 3 5 3 x 3 5*

Feet. Inches. BREADTH—Moulded

Do. of Forecastle

" " " " Angle (clear of Bridge) *✓*

Feet. Inches. DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams

Do. of Houses on Dk.

" " " " Tie Plate at sides of Hatchways *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of excess of Hatchways

" " " " Deck * Iron or Steel, for full lng. *5 5*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Crown of Engine Room

" " " " Thickness (clear of Bridge) *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Poop

" " " " (in way of Bridge) *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of R.Q.Dk.

" " " " Wood Deck. Material & thickness *2 Teak sheathing over accommodation*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Bridge House

" " " " Second Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Forecastle

" " " " Angles on ditto, No. *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Houses on Dk.

" " " " Tie Plates outside Hatchways *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of excess of Hatchways

" " " " Deck * Iron or Steel, for lng. *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Crown of Engine Room

" " " " Wood Deck. Material & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Poop

" " " " Third Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of R.Q.Dk.

" " " " Angles on ditto, No. *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Bridge House

" " " " Tie Plates outside Hatchways *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Houses on Dk.

" " " " Deck * Material & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of excess of Hatchways

" " " " Poop Deck Stringer Plate, breadth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Crown of Engine Room

" " " " Angle on ditto *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Poop

" " " " Tie Plates *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of R.Q.Dk.

" " " " Deck. Material and thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Bridge House

" " " " Bridge Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Forecastle

" " " " Angle on ditto *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Houses on Dk.

" " " " Tie Plates *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of excess of Hatchways

" " " " Deck. Material and thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Crown of Engine Room

" " " " Forecastle Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Poop

" " " " Angle on ditto *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of R.Q.Dk.

" " " " Tie Plates *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Bridge House

" " " " Deck. Material and thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Houses on Dk.

" " " " If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of excess of Hatchways

" " " " Angle on ditto *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Crown of Engine Room

" " " " Tie Plates *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Poop

" " " " Deck. Material and thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of R.Q.Dk.

" " " " Bridge Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Bridge House

" " " " Angle on ditto *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Forecastle

" " " " Tie Plates *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Houses on Dk.

" " " " Deck. Material and thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of excess of Hatchways

" " " " Forecastle Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Crown of Engine Room

" " " " Angle on ditto *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Poop

" " " " Tie Plates *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of R.Q.Dk.

" " " " Deck. Material and thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Bridge House

" " " " Bridge Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Forecastle

" " " " Angle on ditto *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Houses on Dk.

" " " " Tie Plates *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of excess of Hatchways

" " " " Deck. Material and thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Crown of Engine Room

" " " " Forecastle Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Poop

" " " " Angle on ditto *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of R.Q.Dk.

" " " " Tie Plates *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Bridge House

" " " " Deck. Material and thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Forecastle

" " " " Bridge Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Houses on Dk.

" " " " Angle on ditto *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of excess of Hatchways

" " " " Tie Plates *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Crown of Engine Room

" " " " Deck. Material and thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Poop

" " " " Bridge Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of R.Q.Dk.

" " " " Angle on ditto *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Bridge House

" " " " Tie Plates *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Forecastle

" " " " Deck. Material and thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Houses on Dk.

" " " " Forecastle Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of excess of Hatchways

" " " " Angle on ditto *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Crown of Engine Room

" " " " Tie Plates *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Poop

" " " " Deck. Material and thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of R.Q.Dk.

" " " " Bridge Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Bridge House

" " " " Angle on ditto *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Forecastle

" " " " Tie Plates *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Houses on Dk.

" " " " Deck. Material and thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of excess of Hatchways

" " " " Forecastle Deck Stringer Plate, br'dth & thickness *✓*

Feet. Inches. Do. do. do. do. Second Dk. Beams

Do. of Crown of Engine Room

" " " " Angle on ditto *✓*

[illegible]

EQUIPMENT No.		LETTER										ANCHORS.		TONNAGE & DECK OR PLATING No. FOR TRAWLERS 3390									
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE S1.			Description of Anchor.	Makers.	Where and when tested and Superintendent.							
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.			lbs.	Fathoms.	Ins.					
9235	1st Bower ...	4	3	9	1	1	4	7	5	0	4	32	0	Ordinary		Not stated	L.P.M.T. 27-6-11. Paul						
9237	2nd " ...	4	1	6	1	0	16	6	12	2	0	4	0	"	"	"	27-6-11 "						
9239	3rd " ...	2	2	14	0	2	24	5	2	2	0	2	0	"	"	"	27-6-11 "						
	4th " ...																						
	Collective weight																						
	Stream																						
	Kedge.....																						

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and Size per Table S1.		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 S1.				
	Length.	Diam.		Supplied.	Per Rule.	Length.	Diam.					Length.	Chr.		Fathoms.	Ins.	Fathoms.	Chr.	
39145	90	1 5/16	✓	15.0	23.0	41.2	0.40	2.13	Steel	L.P.M.T. 29-7-11	TOWLINE	Steel	30	3/4	39	30	4 1/2		
									Sink	Not stated	HAWSERS & WARPS	Manganese	30	3		90	3		
													30	4		90	4		
													40	6		40	6		

Boats One
Pumps, Number Four
Windlass is by Emerson, Walker & Thompson Bros.
Engine Room Skylights.—How constructed? *Steel*
Coal Bunker Openings.—How constructed? *Cast iron rings* How are lids secured? *Secured* Height above deck? *2 ft.*
Number of Scuppers, and numbers and dimensions of **Freeing Ports, &c.** On each side, *Scuppers, 3 faying Ports, 2 1/2 x 12.*
Ceiling in Holds, thickness and material *2" pine*
Cargo Hatchways.—How formed? *Plates and angles.*
State size **No. 1 Hatch** (Forward) *3'-0" x 6'-0"* **No. 2 Hatch** ✓ **No. 3 Hatch** ✓ **No. 4 Hatch** ✓
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch ✓
Bulwarks, height above deck and description *3'-0" x 5'-4"* **No. of Breasthooks** *Four* **No. of Crutches** *Land dup floors.*
The foregoing is a correct description. *E. G. REPAIRING CO. LTD.* Main Rail, material and size *6" x 3" x 3/4" Steel B.A.*
Builder's Signature (*here only*) *A. H. Jaggard* Surveyor's Signature *Allison B. Wilson*
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) 21-11-10, 23-11-10, 24-11-10, 31-12-10, 25-1-11, 30-6-11, 3-7-11, (Z.) 10-3-11.*

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed*
Is the riveted work properly closed? *Yes*
Are the liners between the frames and plates solid single pieces? *Yes*
to plate, &c., conform well to each other? *Yes*
from the faying surfaces? *Yes*
Do the holes for riveting plate to frames, butt straps, or plate
Are the rivet holes well and sufficiently countersunk in the plate and punched
Do any rivets break into or through the seams or butts of the plating? *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 *satisfactory.*
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes* State results of tests *satisfactory.*
General Remarks (State quality of workmanship, &c.) *Workmanship good.*
This vessel has been built in accordance with the approved plans. The Secretary letters of the above dates and in general conformity to the Rules for the class contemplated.

Accompanying this Report, Plans of Midship Section, Profile's Deck.
Pumping Arrangements, Stem frame and Rudder (2.) and Report on Ships Fittings.

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

The amount of Entry Fee £ | : 0 : 0 Fees applied for,
Special Survey Fee.... £ | : 8 : 0 Received by me,
Travelling Expenses, if any £ | : 3 : 4
State whether the Vessel has been built under Special Survey *Yes*
I am of opinion this Vessel should be Classed **A1, "Tug-Coasting."*
With, or without Freeboard, as condition of Class *Without*
Certificate to be sent to *Full-* Date of issue *30/9/11*
Allison B. Wilson
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute
Character assigned
A1
Tug-Coasting
Lloyd's Assoc
thru 9.11

TUE SEP 19 1911

GENERAL REMARKS—(continued).

Date of writing
No. in Survey
Reg. Book.
\$40. P on the
Master
Engines made a
Boilers made a
Registered H
Nom. Horse Po

ENGINES,

Dia. of Cylin
Is the screw sh
in the propell
between the be
liners are fitte
Dia. of Tunnel s
collars 7.25
No. of Feed p
No. of Bilge p
No. of Donkey
In Engine Ro
after
No. of Bilge Inj
Are all the bilge
Are all connect
Are they fixed s
Are they each fi
What pipes are
Are all Pipes,
Are the Bilge
Dates of exam
Is the Screw S

BOILERS,

Total Heating
Working Pre
Can each boiler
each boiler
Smallest distanc
Thickness 1/
long. seams 0
Per centages of
Size of compens
Length of plain
Working pressu
Pitch of stays
Material of sto
Material \$
are
Diameter at s
Thickness 29/
Diameter of tu
Pitch across
thickness of g
Working pres
separately
holes
If stiffened wit
Working pres

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) 1 Dk. (all.)
Official No. ✓ ; Signal Letters ✓ State if Machinery is fitted aft No
How are the surfaces preserved from oxidation? Inside Portland Cement and Paint Outside Paint

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, ✓			Fore peak tank, ✓		
Double bottom, under Engines and Boilers, ✓			After peak tank, ✓		11.0
Double bottom, if under Engines only, ✓			Deep tank, aft, ✓		
Double bottom, if under Boilers only, ✓			Deep tank, forward, ✓	12.25	17.5
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. Yes

Order for Special Survey No. 1870
Date 18/3/11
No. 141 in builder's yard.
DATES of Surveys held while building
1911: Mar 10. 15. 16. 20. 22. 27. Apr 3. 5. 11. 21. 25 May 2. 3. 5. 9. 10. 12. 15. 17. 22. 30 Jun 7. 12. 13
Jun 21. 28. July 5. 11. 13. 31. Aug 3. 4. 9. 14. 15. 17. 22. 24. 28 30. 31 Sep 1. 2. 5.
Total No. of Visits 44

Surveyor's Signature

Allison B. Wilson
Lloyd's Register Foundation