

3 Decks.

IRON OR STEEL STEAMER.

Received at London **WED. 4 SEP 1907**

Date of completion of report

Survey held at **Dalmuir Glasgow**State if Report is also sent on the Machinery of the Vessel **Yes**Port of **Glasgow**No. **25690**Date, First Survey **13th Sept 06**Last Survey **21st August**

1907

On the **Steel Steamer****HUANCHACO**Rig **Schooner**TONNAGE under **4133.49**

THREE DECKED VESSEL.

Master **G. H. Bingley**

Year of appointment

(1) As Master in service of owner of present vessel:—10
(2) As Master of this vessel:—10

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

Total under Upper Dk.

Do. of **Room** **123.06**Do. of **Bridge House** **137.9**Do. of **Forecastle** **41.21**Do. of **Hull on Dk.** **68.20**Do. of **excess of Hatchways** **727.13.10**Do. above Crown of **Engine Room** **4524.23**Less Crew Space **141.73**Less above Crown of **Engine Room** **4382.50**TONNAGE FOR FEES **1447.73**Less Engine Room **94.29**

Less Navigation Spaces

Register Tonnage **2840.46**

as cut on Beam

CLASS **100 RI SHELTER Dk** FEET.Half Breadth (moulded) **25.0**Depth from upper part of Keel to top of Upper Deck Beams **29.52**

(with the normal round up of beam)

Girth of Half Midship Frame (as per Rule) **51.0**deduct 7 feet. **98.52**1st Number **98.52**Length on deck from after part of stem to fore part of stern post **388.17**2nd Number **38242**Proportions—Breadth to Length **7.76**Depth to Length—Upper Deck to top of Keel **13.15**Shell **Hull Deck ditto** **10.34**Destined Voyage **South America**If Surveyed while Building, Afloat, or in Dry Dock **Yes**LENGTH on Deck as per Rule **388** Feet. **2** Inches. BREADTH—Moulded **50** Feet. **0** Inches. DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams **25** Feet. **10 1/2** Inches. Do. do. do. do. Main Dk. Beams **16** Feet. **4 1/2** Inches. No. of Decks with flat laid **2** No. of Tiers of Beams **2** Round of Upper Dk. Beam, Actual **12 1/4** ins.Dimensions of Ship per Register, Length **390.6** breadth **50.25** depth **25.75**. Moulded depth, ft. **28** ins. **6** To Upper Dk.

FRAMING.				FORGINGS or CASTINGS.			
Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Appro.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.
FRAME, Angles, or L or E Bars for $\frac{1}{2}$ length amidships				KEEL, RUBBER Bar or Side Plates, depth and thickness			
Do. for $\frac{1}{2}$ at each end	7	3 1/2	13	7	3 1/2	13	10 x 2
Do. in way of Double Bottoms at Solid Floors	7	3 1/2	12	7	3 1/2	12	11 x 3 1/2
" " at intermed. Dkts.	3 1/2	3 1/2	10	3 1/2	3 1/2	10	11 x 7 1/2
Spacing of Frames from centre to centre	25		25	" for Propeller	11 x 7 1/2		11 x 7 1/2
REVERSED FRAME, Angles	4	4	9	MAIN PIECE of Rudder, diameter at head	9 1/2		9 1/2
DEEP FRAMING, depth of girder	7		7	" do. at heel	7 1/4		7 1/4
FLOORS, depth and thickness of Floor Plate at mid line for $\frac{1}{2}$ length amidships	44		44	RUDDER, how constructed Forging, and single plate 2 1/2			
" in way of Engines and Boilers	25		25	Can the Rudder be unshipped afloat? Yes			
" thickness at the ends of vessel	44		44	KEELSONS & STRINGERS.			
" depth at $\frac{1}{2}$ the half breadth as per Rule	44		44	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate			
" height extended at the Bilges	44		44	" Rider Plate			
FLOORS & BRACKETS in Cell Dble Bottoms state if flanged (top & bottom)	25		25	" Bulb Plate to Intercostal Keelson			
" Spacing	44		44	" Horizontal Plates on Floors			
CENTRE GIRDER, in Double bottom, depth and thickness	44		44	" Angles			
" Angles, Top	4	4	10	SIDE KEELSON, Angles			
" Bottom	4	4	14	" Bulb or Plate above floors, for lng.			
SIDE GIRDERS, number on each side & thickness state if flanged (top and bottom)	2	9	2	" Intercostal Plate, for length			
" Angles	3 1/2	3 1/2	8	" Attached to outside Plating with Angle			
MARGIN PLATE, depth (exclusive of flange) and thickness	36		36	BILGE KEELSON, Angles			
" Angles to Outside Plating	4	4	10	" Bulb or Plate above floors, for lng.			
" Floors	3 1/2	3 1/2	8	" Intercostal Plate, for length			
" Height of Floors at the Bilges	75		75	" Attached to outside Plating with Angle			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	44		44	BILGE STRINGER Angles			
" in Engine and Boiler space	44		44	" Bulb Plate for length			
" Remainder in Holds	44		44	" Intercostal Plate, for length			
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb CHANNEL	7 x 3/4 x 3 1/2 x 10		7 x 3/4 x 3 1/2 x 10	" Attached to outside Plating with Angle			
" Angles on upper edge	25		25	Upper Deck Stringer Plates, br'dth & thickness	62	11	62 11
" Spacing	25		25	" Angle on ditto	4 x 4	9	4 x 4 9
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb CHANNEL	7 x 3/4 x 3 1/2 x 10		7 x 3/4 x 3 1/2 x 10	" Tie Plates, outside Hatchways			
" Angles on upper edge	25		25	" Deck, Iron or Steel, for full lng.	8		8
" Spacing	25		25	" Wood Deck, Material & thickness			
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb CHANNEL	7 x 3/4 x 3 1/2 x 10		7 x 3/4 x 3 1/2 x 10	Middle Deck Stringer Plate, br'dth & thickness	55	10	55 10
" Angles on upper edge	25		25	" Angles on ditto, No.	4 x 4	9	4 x 4 9
" Spacing	25		25	" Tie Plates outside Hatchways			
BEAMS, Hold, or Orlop, Plate or Tee Bulb	7 x 3/4 x 3 1/2 x 10		7 x 3/4 x 3 1/2 x 10	" Diagonal Tie Plates, No. of pairs			
" Angles on upper edge	25		25	" Deck, Iron or Steel, for full lng.	7		7
" Spacing	25		25	" Wood Deck, Material & thickness			
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 x 3/4 x 3 1/2 x 10		7 x 3/4 x 3 1/2 x 10	Lower Deck Stringer Plate, br'dth & thickness	41	10	41 10
" Angles on upper edge	25		25	" Angles on ditto, No.	4 x 4	9	4 x 4 9
" Spacing	25		25	" Tie Plates, outside Hatchways			
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 x 3/4 x 3 1/2 x 10		7 x 3/4 x 3 1/2 x 10	" Deck, Material and thickness	6		6
" Angles on upper edge	25		25	Hold, or Orlop Stringer Plate, br'dth & thickness			
" Spacing	25		25	" Angles on ditto, No.			
PILLARS, In SHELTER between Deck, size and spacing	3 1/2 x 8.4		3 1/2 x 8.4	" Tie Plates outside Hatchways			
" Hold	3 1/2 x 8.4		3 1/2 x 8.4	" Deck, Material and thickness			
" MAIN Quarter 'tween Dks.	4 x 8.4		4 x 8.4	POOP DECK STRINGER PLATE, breadth & thickness			
" in Hold	4 x 8.4		4 x 8.4	" Angle on ditto			
WEB-FRAMES, In Fore Body, No. and spacing br'dth. & thickness	1 E 2 B		1 E 2 B	" Tie Plates			
" No. of Side Stringers	30	10	30 10	" Deck, Material and thickness			
WEB-FRAMES, In E. & B. Space, No. & spacing br'dth. & thickness	1 E 2 B		1 E 2 B	Bridge Deck Stringer Plate, br'dth & thickness	5 x 5 x 11	5 x 5 11	
WEB-FRAMES, In After Body, No. and spacing br'dth. & thickness	1 E 2 B		1 E 2 B	" Angle on ditto	5 1/2 x 6 1/2	11	6 1/2 11
" No. of Side Stringers	30	10	30 10	" Tie Plates			
" Size of Angles or Tee Bars to Web Frames	3 1/2 x 8.4		3 1/2 x 8.4	" Deck, Material and thickness			
BRACKET PLATES to Stringers between Web Frames, depth and thickness	3 1/2 x 8.4		3 1/2 x 8.4	Forecastle Deck Stringer Plate, br'dth & thickness	2 1/2 x 3 1/2 x 11	2 1/2 x 3 1/2 11	

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES. Ordinary or joggled? <i>Ordinary</i>				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.	Breadth.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.
FLAT PLATE KEEL	46	20	14	14	46	20	Double	6	1	4 1/2	1 1/2	4	2 1/2	14	13				
GARBOARD OF A Strake...		15	12	13		15		6	1	4 1/2	1 1/2	4	2 1/2	14	13			full	
State actual thickness in way of Double Bottom.	B	12	10	10		12		5 1/4	3	3 1/2		3 1/2					12		
	C	11	10	10		11						3 1/2					12		
	D	14	11	11		14		6	1	4 1/2		1	4				14		
	E	13	10	10		13			1			1	3 1/2				14	*	
	F	14	11	11		14		5 1/4	3	3 1/2		1	4				14	full	
	G	12	9	9		12						3	3 1/2				12		
	H	13	10	10		13											12		
	J	12	9	9		12											12		
Upper Sheer	K	13	10	10		13											12		
Sheer Sheer	L	13	10	10		13		6	1	4 1/2							12		
	M	46	14	11	11	46	14					Double Sheer	1	4	2 1/2	10			
	N																		
	O																		
	P																		
	Q																		
	R																		
	S																		
DOUBLING of Flat Plate Keel	Keel rubber 10"x2" 1 1/2 rivets 5 1/2 C.T.C.																		
Length and thickness of Bilges																			
Length and thickness of Sheerstrakes																			
Length and thickness of Strake below																			
POOP SIDES																			
BRIDGE SIDES	See L. & M. Strakes																		
FORECASTLE SIDES	Length of plating 10 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, Plating, &c.?

Open hearth process
Beardmore & Co., Dorman Long.
Steel Co. of Scotland, Lanarkshire
Clyde Steel, Palmers

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

SHUTTER
 Upper Deck (Butts, treble riveted for *1/2 L.* length amidship.
 Stringer Plate (Straps, single, double or overlapped for *full* length amidship.
 Middle Deck (Butts, treble riveted for *full* length amidship.
 Stringer Plate (Straps, single, double or overlapped for *full* length amidship.
 Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? *Double*
 Inner Bottom Plating, riveting of Edges *Double* Butts *Double*
 Centre Girder Butts, *Double* riveted Keelson Butts, *Double* riveted.
 Frames, riveted through Plates with *7/8* in. Rivets, about *6 1/4* apart.
 Rivets, state whether Iron or Steel *Steel & Iron*

FRAMES extend in one length from *margin to margin* to *margin to gunwale* State if ordinary or joggled *ordinary*
 REVERSED FRAMES on floors and frames extend from *margin to margin* in *E.B. Space* State if ordinary or joggled *ordinary*
margin to main deck except in peaks and No. 1 hold

MASTS, SPARS, &c.											
	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Between.	Round.	Square.		Number.	Size.	Seams.	Butts.
Pol <i>Lower</i> MASTS.....											
Fore	<i>Steel</i>	<i>128' 6"</i>	<i>19 1/2 x 1/2</i>	<i>25 x 8/16</i>	<i>18 1/2 x 1/2</i>	<i>8 x 9/16</i>	<i>2</i>	<i>3</i>	<i>3 x 3 x 7/8</i>	<i>Single</i>	<i>Treble</i>
Main	<i>Steel</i>	<i>128' 6"</i>	<i>22 x 7/8</i>	<i>25 x 8/16</i>	<i>18 1/2 x 7/8</i>	<i>8 x 9/8</i>	<i>2</i>			<i>Single</i>	<i>Treble</i>
Mizen											
Bowsprit											
Topmasts, Yards and Remainder of Spars	<i>Sisal Palm</i>										
Rigging, Material and Size, Shrouds	<i>3 1/2 S.W.</i>										
Sails.	<i>One</i>	Suit of	<i>Stays 4 1/2 x 4 S.W.</i>								

EQUIPMENT NO. <u>46131</u> LETTER <u>Y</u>												ANCHORS.					
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT As Found ^{As Approved}			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
9369	1st Bower ...	69	3	14	Stockless			53	15	0	0	69	0	0	Halls	Hingley Bros	Netherton 17-6-07 Green
9368	2nd „ ...	69	1	23	do			53	10	0	0	69	0	0	do	do	do do do
9278	3rd „ ...	56	0	14	do			46	1	2	7	55	0	0	Rodgers (Box Stock)	do	do 28/5/07 do
	4th „ ...																
	Collective weight	195	1	23								193	0	0			
9312	Stream	18	1	16	4	2	24	19	8	3	0	18	0	0	Rodgers (Box Stock)	Hingley Bros	Netherton 3-6-07 Green
9313	Kedge.....	10	3	12	2	2	1	12	15	1	7	10	0	0	do	do	do 5-6-07 do

CHAIN CABLES.												HAWSERS AND WARPS							
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size as approved.		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.	Statu- tory.	Break- ing.	Supplied.	Per Table 22.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
40783	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Ins.	Slid	Hingley Bros	Netherton 7-6-07 Green	TOWLINE	Fathoms	Ins.	Tons.	Fathoms.	Ins.		
40793	180	2 5/16	96 1/4	134 3/4	480.1.12	380.3.23	330	2 7/16	do	do	do 11-6-07 do	HAWSERS & WARPS	120	5	59	120	4 1/2		
42040	150	2 5/16	96 1/4	134 3/4	401.0.10				do	do	do								
Iron Steam Chain or Steel Wire	90	2 1/2	40 1/2	58 10	107.2.0	103.2.21	90	1 1/2	Slid	Hingley Bros	Netherton 19-6-07 Green	" "	(14) 90	3 1/4	22	(2) 90	2 1/2		

Boats *10*
 Pumps, Number *11* Diameter of Barrel *6* State whether they are in efficient working order *Yes*
 Windlass is *Steam by J. & Wilson Bros* Capstan *✓*
 Engine Room Skylights.—How constructed? *Steel*
 What arrangements for deadlights in bad weather? *Steel plates & hulls eyes*
 Coal Bunker Openings.—How constructed? *Steel plates* How are lids secured? *Bottom down* Height above deck? *30"*
 Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *7 each side*
 Ceiling in Holds, thickness and material *2 1/2" white pine* Cargo Battens, thickness and material *2" Red pine*
 Cargo Hatchways.—How formed? *Steel plates & angles* Hatches, If strong and efficient? *Yes*
 State size No. 1 Hatch (Forward) *25' 0" x 15' 9"* No. 2 Hatch *25' 0" x 15' 9"* No. 3 Hatch *10' 5" x 15' 9"* No. 4 Hatch *25' 0" x 15' 9"*
 Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *2 webs in No. 1-2-4 & 5* *3 webs in each hatch*
 No. of Breasthooks *8* No. of Crutches *deep frame*
 Bulwarks, height above deck and description *Open rails* Main Rail, material and size *Open rail*
 The above is a correct description. *WILLIAM BEARDMORE & CO., LIMITED*
 Builder's Signature (here only) *Edmund Thorne* Surveyor's Signature *McSherrina*
 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)

17.2.8.05, 11.9.06, 19.9.06, 8.10.06, 8.10.06, 15.10.06, 29.10.06, 3.11.06, 29.12.06, 27.2.07, E.S.11.06

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 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. 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 Good*

This vessel has been built in accordance with the approved plans the Secretary's letter of the above dates and in general conformity to the Rules for the class contemplated

The approved plans 13 in number are forwarded herewith together with a copy of midship section and profile and a forged Casting Rept.

Dist. Vessel S/s "Jumin" (now building)

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 ☒ ft., Bridge Dk. ☒ ft., F'castle ☒ ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Complete shelter deck*

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 dks. steel & shelter dk. dit. deck framing*

Official No. _____; Signal Letters _____

State if Machinery is fitted aft *amidships*

How are the surfaces preserved from oxidation? Inside *Portland Cement & Paint*

Outside *Paint*

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	102.1	245	Fore peak tank,	21.6	69
Double bottom, under Engines and Boilers,	62.6	216	After peak tank,	22.9	52
Double bottom, if under Engines only,	—	—	Deep tank, aft,		
Double bottom, if under Boilers only,	—	—	Deep tank, forward,		
Double bottom, forward,	166.8	464	Other tanks, if fitted,		
Total capacity of double bottom	925		(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. *4173*

Date *18.10.06*

No. *490* in builder's yard.

Dates of Surveys held while building

1906. Sep 13. 26. Oct 2. 8. 10. 15. 18. 23. 29. Nov 2. 13. 20. 26. 30. Dec 5. 10. 12. 17. 26. 28. 1907. Jan 8. 14. 22. 28. 31. Feb 6. 15. 18. 22. 26. Mar 7. 11. 15. 21. 22. 27. Apr 5. 11. 16. 19. 29. May 1. 3. 7. 13. 16. 22. June 11. 14. 20. 25. 27. July 1. 5. 8. 10. 22. 23. 29. 31. Aug 1. 3. 9. 14. 21. 22.

Total No. of Visits *66*

The amount of Entry Fee £ *5* :

Special Survey Fee.... £ *134* : *11* :

Travelling Expenses, if any £ :

Fees applied for,

3 SEP 1907

Received by me,

79.10.07

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. Shelter deck*

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

J.M. Silverman

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

Committee's Minute

Character assigned *+ 100 A.1. Shelter dk. with freeboard*

Glasgow - 3 SEP 1907

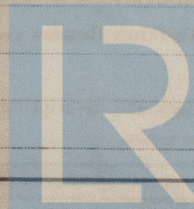
Lloyd's J. & C.P.

b. B. b.

The Surveyors are requested not to write on or below the Committee's Minute.

Certs. issued 7/9/07.

W346-0005(212)



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