

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office **20 JAN 1920**

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

Date of completion of report **24/1/20**
Survey held at **Grangemouth**

Port of **Glasgow**
Date, First Survey **9th June 1919** Last Survey **20th 15th January 1920**

On the (State if Single, Twin, or Triple Screw) **Single S.S. "BRANCAS"**

Rig **Schooner**

TONNAGE under **1386.06**

CLASS **+ 100 A1**

FEET.

Master **J. Brequer**

Year of appointment

(1) As Master in service of owner of present vessel: 1912.
(2) As Master of this vessel: 1920.

Tonnage Deck... **1386.06**

Do. between Tonnage Dk. and 3rd and 4th Dk. **50.45**

Total under Upper Dk. **1386.06**

Do. of Poop **9.44**

Do. of R.Q.Dk. **30.84**

Do. of Bridge House **58.16**

Do. of Houses on Dk. **84.84**

Do. of excess of Hatchways **1619.79**

Do. above Crown of Engine Room **82.29**

Gross Tonnage **1619.79**

Less Crew Space **518.33**

Less above Crown of Engine Room **39.80**

TONNAGE FOR FEES **979.37**

Less Engine Room **518.33**

Less Navigation Spaces **39.80**

Less Crew Space **92.29**

Register Tonnage **979.37**

as cut on Beam

"Longitudinal framing in double bottom and Breadth (greatest moulded)..." **37.5**

Depth, at middle of length from top of keel to top of upper deck beams at side... **20.5**

Transverse Number... **58.0**

Length on deck from fore part of stem to after part of stern post... **254**

Longitudinal Number... **14732**

Depth "d," at middle of length (See Secs. 2 & 13)... **17.0**

Proportions—Depths to Length—Upper Deck Beam at side to top of keel... **12.34**

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

Destined Voyage **✓**

If Surveyed while Building, Afloat, or in Dry Dock **Yes.**

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
254			37	6		18	4		One
									No. of Tiers of Beams One

Dimensions of Ship per Register, Length 254 breadth 37.7 depth 18.35	Moulded depth, ft. 27 ins. 6	To Bridge Dk. Round of Upper Dk. Beam, Actual 9 1/2 ins.
	Moulded depth, ft. 20 ins. 6	To Upper Dk.

FRAMING.				PILLARS.			
NAME, Angle, or E	Inches in Ship.	Inches per Rule.	Inches per Rule.	PILLARS In 'tween Deck, size and spacing	Inches in Ship.	Inches per Rule.	Inches per Rule.
Bars amidships	9	3 1/2	44	" " Hold			
Do. in peaks	5 1/2	3	36	" " Quarter 'tween Dks.			
Do. in way of Double Bottoms at Solid Floors...	3 1/2	3	32	" " in Hold			
" " at intermdt. Bkts.	3	3	32				
Spacing of Frames from centre to centre amidships	30"		30"				
" " length to Collision bulkhead	27"		27"				
" " in peaks..	23 1/2"		23 1/2"				
REVERSED FRAME, Angles..	5	4	46				
Do. in way of Double Bottoms at Solid Floors...	3 1/2	3	32				
" " at intermdt. Bkts.	3	3	36				
FRAMING, depth of girder	9"		9"				
FLOORS, depth and thickness of Floor Plate at mid-line for length amidships..							
" " in way of Engine and Boiler Spaces							
" " thickness at the ends of vessel							
" " depth at 1/2 the half breadth, as per Rule							
" " height extended at the Bilges							
FLOORS in Cell. Double Bottoms.	35"		32				
" " state if flanged (top & bottom)...	Not flanged		Not flanged				
" " Spacing of Solid floors	60"		60"				
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	35	44 1/2	36				
" " Angle, Top	6	6	48				
" " Bottom	6	6	60				
" " to Floors	6	6	50				
" " Brackets at intermdt. frmg., width & thcknss							
SIDE GIRDERS, number on each side & thickness	One		32				
" " state if flanged (top and bottom)	Not flanged		Not flanged				
" " Angles (top and bottom)	3	3	32				
" " to Floors	3	3	32				
MARGIN PLATE, depth (exclusive of flange) and thickness	78		40				
" " Angle to Outside Plating	3 1/2	3 1/2	36				
" " Floors							
" " Brackets at intermdt. frmg., width & thcknss	43		34				
" " Height of Outside Brackets above at bilge	31"		31"				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	60		40				
" " in Engine and Boiler space	40 E.S. 48 B.S.		40 E.S. 48 B.S.				
" " Remainder in Holds			32				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" " In way of Long Bridge							
" " Spacing							
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" " Spacing							
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" " Angles on upper edge							
" " Spacing							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5	3	34				
" " Angles on upper edge							
" " Spacing	23 1/2	26 1/2	30				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" " Angles on upper edge							
" " Spacing	23 1/2	26 1/2	30				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5 1/2	3	40				
" " Angles on upper edge							
" " Spacing	23 1/2	26 1/2	30				

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

Lloyd's Register
Foundation
61307-0144/3

WEB FRAMES.					
	Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Ap- proved.	Inches per Rule. Or as Approved.	
WEB-FRAMES, In Fore Body, No. and spacing	3		3		
" " brdth. & thickness	1. 21	.50 ✓	21	.50	
" " " "	2. 24	.50 ✓	24	.50	
No of Side Stringers " "	2	forward	✓ 2 forward		
WEB-FRAMES, In E. & B. Space, No. & spacing	✓				
" " " " brdth. & thickness	✓				
WEB-FRAMES, In After Body, No. and spacing	✓				
" " " " brdth. & thickness	✓				
" " " " No. of Side Stringers " "	✓				
Size of Face Angles to Web-Frames.....	5 × 4 × .50 ✓		5 × 3½ × .46		
BRACKET PLATES to Stringers between	21	.36 ✓	21	.36	
Web Frames, depth and thickness.....}					

FORGINGS or CASTINGS.							
	Inches in Ship.		Inches per Rule. Or as Approved.				
KEEL, Bar, depth and thickness	✓		✓				
STEM, moulding and thickness	7½ × 2⅜ ✓		7½ × 2⅜				
STERN-POST for Rudder do. do.	6¾ × 5½ ✓		6¾ × 5½				
" " for Propeller	7½ × 5½ ✓		7½ × 5½				
RUDDER—A×D* Table 22. Speed ^{under} 10 knots	72 × 2.21 = 159						
" Main-Piece, diameter at head	6¼" ✓		6¼"				
" " " " at heel	4¾" ✓		4¾"				

BULKHEADS.										
	Number.		Thickness, Inches.	STIFFENERS.					Single or Double Frames.	Height up, state deck.
	Vessel.	Per Rule.		Horizontal.		Vertical.				
				Size. Inches.	Spacing Inches.	Size. Inches.	Spacing Inches.			
W.T.BULKHEADS	4									
6 + 8			4.5 × 26	Semi-bolt beam + W.T. flat.	6 × 3 × 42	✓ 24	Single	Up Dk.		
42			36 × 26	Thrust recess.	8 × 3 × 42	✓ 30	"	"		
					5 × 3 × 26 A.M.	✓ 30	"	"		
					way of thrust recess					
61			42.5 × 26	✓	8 × 3 × 44	✓ 30	✓	"		
" COLLISION " 99			40 × 26	W.T. flat + Semi-bolt beam	7 × 3 × 42	✓ 24	Single	Up Dk.		
PARTITION "				✓						
LONGITUDINAL..										

Are the outside Plates doubled two spaces of Frames in length? *Brackets in lieu.*

Are the ~~Stanchions~~ Watertight Doors in efficient working order? *Yes.*

RUDDER, how constructed		Forged frame	Single plate
" Thickness of Plates or Single Plate	1.00" ✓		
Can the Rudder be unshipped afloat?	Yes.		
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.		
Stewarts & Lloyd Ltd., Bolville Iron Works Ltd., Steel Company of Scotland Ltd., James Dunlop & Co. Ltd., Beardmore & Co. Ltd.			
Has the Steel been tested as required by the Rules?	Yes.		

[illegible]

Upper Deck Stringer Plate	Butts Double riveted for full length amidship.	<p>Butts of Side Stringers riveted.</p> <p>Tie Plates riveted.</p>
	Straps single, double or overlapped for full length amidship.	
Second Deck Stringer Plate	Butts, riveted for full length amidship.	<p>Inner Bottom Plating, riveting of Edges single - Butts double.</p> <p>Centre Girder Butts, treble riveted. Keelson Butts, riveted.</p> <p>Frames, riveted through Plates with 1" $\frac{7}{8}$ $\frac{3}{4}$ in. Rivets, about 6" $5\frac{1}{4}$ $4\frac{1}{2}$ apart.</p> <p>Rivets, state whether Iron or Steel Iron.</p>
	Straps, single or overlapped for full length amidship.	

Across floors between longitudinals & REVERSED FRAMES extend in one length from Tank top to Upper deck, & to Bridge deck in way of Reinforced frames. } REVERSED FRAMES on floors and frames extend from across floors between longitudinals.

State if ordinary or joggled Joggled.

State if ordinary or joggled Joggled.

MASTS, SPARS, &c.												
	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.		
			At Partners.	Heel.	Booms.	Head.		Number.	Size.	Seams.	Butts.	
LOWER MASTS.....	Fore	Steel	40'-0"	19' x 30"	19' x 30"	-	15' x 25"	Two	-	-	2 1/2	Triple
	Main	"	45'-0"	19' x 30"	19' x 30"	-	15' x 25"	"	-	-	"	"
	Mizen											
<u>Bottoms</u>												
Topmasts, Yards and Remainder of Spars Fore topmast 10' x 14" x 5 1/2". Main topmast 15' x 14" x 5 1/2"												
Rigging, Material and Size, Shrouds 3" + 3 3/4" G.S.W. Stays 3" + 3 1/2" G.S.W.												
Sails. ✓ Suit of ✓ Sails, and the following spare sails ✓												

EQUIPMENT No. 15514				LETTER 9				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.	
23855	1st Bower	Cwts. 34	qrs. -	lbs. 7	Cwts.	qrs.	lbs.	Tons. 31	cwts. 14	qrs. 1	lbs. 14	Cwts. 33	qrs. -	lbs. -	Byers Stockless	J. Taylor & Sons.	Low Walker July 29, 1919.
23856	2nd "	34	-	-	"			31	12	2	-	33	-	-	do.	do.	A. Green.
23857	3rd "	27	2	14	X			26	16	3	14	28	-	-	do.	do.	do.
	4th "																do.
	Collective weight.	95	2	21								94	-	-			
23882	Stream	8	2	7	2	-	21	10	15	-	-	8	2	-	Fraser W. J. & Co.	J. Taylor & Sons.	Low Walker, Sept. 30, 1919.
23883	Kedge	4	2	21	1	1	14	7	2	2	-	4	2	-	do.	do.	A. Green.

U. S. Patent Office Name of Patentee.

Stockless, state Mechanical Tests.

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	CWT.	21	3	-	D.D.W.	1681	5.2.19.
2nd "		21	3	-	D.D.W.	1680	5.2.19.
3rd "		18	1	-	J.D.	3454	30.5.19.
4th "							

CHAIN CABLES.

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.
	Length. Diam.	Statutory. Break- ing.	Supplied.	Per Rule.	Length. Diam.			
13323	240	1 1/2	5 1/4	7 1/4	240	1 1/2	Stud link	J. Taylor & Sons.
								Low Walker, 16.9.19.
								A. Green.
Stream	75	4	33		75	4		

HAWSERS AND WARPS.

Material	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 31.
	Length. Cir.	Length. Cir.	Length. Cir.
TOWLINE	90	3 1/2	90
HAWSERS & WARPS	90	2 1/4	90
"	90	2 1/4	90
"	90	2	90
"	90	2	90

Boats 2 lifeboats 23' x 7' 6" x 3' 0". 1 dinghy 15' x 5' 6" x 2' 1"

Pumps, Number One Downton + One hand

Windlass is Steam + hand. 6 + J. McOrie. Greenock

Engine Room Skylights.—How constructed? Steel plates + angles.

Coal Bunker Openings.—How constructed? Steel plates + angles.

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 7 Scuppers ea. side in wells.

Ceiling in Holds, thickness and material 2 1/2" W.P. under hatches + over bunks. Cargo Battens, thickness and material None.

Cargo Hatchways.—How formed? Steel plates + angles.

State size No. 1 Hatch (Forward) 50' x 20'

No. 2 Hatch 27' 6" x 20'

No. 3 Hatch 27' 6" x 20'

No. 4 Hatch

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch No. 1. 9. Nos. 2 + 3. 4.

No. of Breasthooks three

No. of Crutches deep floors

Bulwarks, height above deck and description Plate 48" x 25". 6" x 3" x 38" B.A. stays.

Main Rail, material and size 7" x 3" x 40" B.A. steel.

The foregoing is a correct description.

Builder's Signature (here only)

W. R. Edger.

Surveyor's Signature

Surveyor to Lloyd's Register of Shipping.

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

The Secretary's letters for various dates.

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.)

This vessel has been built on Millar's System of Framing (Patented) with longitudinal framing in double bottom + at decks, and in accordance with the Society's Rules. The workmanship is good. Multiple punching has been adopted on the straight plates of inside stiches in shell, bunks top + decks and on bulkheads.

2 Forging forms enclosed.

11 Approved plans are enclosed which please return to Glasgow Office for dealing with sister vessel now building.

The Surveyor should state the Number of Report and Name of any Sister Vessel.
Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee £ 4 : - : -

Special Survey Fee.... £ 63 : 8 : 6

Travelling Expenses, if any £ 5 : 4 : -

State whether the Vessel has been built under Special Survey

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class

Fees applied for,

26.1.1920.

Received by me,

28/1/1920

Certificate to be sent to

GLASGOW

Date of issue

3.2.20

+ 100 A1 Longitudinal framing in double bottom + at decks

W. R. Edger.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 27 JAN 1920

Character assigned

- 100 A1.

130.

Longitudinal framing in D.B. + at D.Ks.

Lloyds Assoc

+ LMC 120



© 2021

Lloyd's Register Foundation

W1307-01442/3

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 23.5 ft., R.Q.D. ☒ ft., Bridge 63.5 ft., Forecastle 26 (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 should appear in the Register Book) 1 Dk (Stl) 1 br. B ☒

Official No. ☒ ; Signal Letters ☒ State if Machinery is fitted aft No. ☒

How are the surfaces preserved from oxidation? Inside 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. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	67.5	130	Fore peak tank,		64
Double bottom, under Engines and Boilers,	25.0	74	After peak tank,		47
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	105.75	248	Other tanks, if fitted,		
	Total capacity of double bottom	452	(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. 5230.

Date 31. 1. 19.

No. 401. in builder's yard.

DATES of Surveys held while building

1919 June 9. July 1. 15. 17. Aug. 7. 12. 22. 28. Sept. 3. 10. 17. 22. 25. Oct. 3. 8. 10. 15. 17. 21. Nov. 6. 28. Dec. 11. 1920 Jan. 12. 14. 15. 20.

Surveyor's Signature

L.R. Egan

© 2021

Total No. of Visits. 29

Lloyd's Register Foundation

Rpt. 1*.

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.				
	In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.	Number.		Diameter.	
Framing of L, [or C																	
Frames in Bridge 'tween Decks ...																	
Frames from Uppermost Continuous Deck No. 1																	
Framing from Awning, Shelter or Upper Deck to Margin Plate.	" 2																
	" 3																
	" 4																
	" 5																
	" 6																
	" 7																
	" 8																
	" 9																
	" 10																
	" 11																
	" 12																
	" 13																
	" 14																
	" 15																
	" 16																
	Spacing of Longitudinal Frames																
Double Bottoms																	
Tank Top Longitudinals	6	3	4	6	3	4	6	3	4	6	3	4	3/4	14	means with 3 rivets close spaced as set		
Bottom	7	3	36	7	3	36	7	3	36	7	3	36	7/8	4 1/2	" " " " " "		
Spacing of Longitudinals	30			30			30			30							
	at Peak Bulk			at Peak Bulk			at Peak Bulk			at Peak Bulk							
Transverses.																	
In Bridge																	
'tween Decks																	
Depth and Thickness																	
Face Angles																	
Lugs to Shell*																	
In Awning, Shelter or Upper 'tween Decks.																	
Depth and Thickness																	
Face Angles																	
Lugs to Shell*																	
Reinforced In Hold.																	
Depth and Thickness	9	5 1/2	46	at 30" spacing	8	3 1/2	46	at 27" spacing	8	3 1/2	46	at 27" spacing	7/8	5 1/2	Framing 9" girders at inside strakes.		
Face Angles	5	4	46		5	3	36		5	3 1/2	46						
Lugs to Shell*																	
Brackets																	
Spacing of Transverse Frames	as per profile			as per profile			as per profile			as per profile							
* State if joggled or liners.																	
Longitudinal Beams of L, [or E	11	Bridge Deck	6	3	36		6	3	36		Spacing.	3-0	Reinforced	In Ships.	As approved.		
		Angor Shldr. Dk.											Transverse	Plate.	Angles.	Plate.	Angles.
	11	Upper	7	3	36		7	3	36			3-0	Beams	11 x 36	8 x 3 1/2 46	11 x 36	8 x 3 1/2 46
		Second											Beams	12 x 36	8 x 3 1/2 56	12 x 36	8 x 3 1/2 56
		Third											Beams	12 x 36	7 x 3 1/2 38	12 x 36	7 x 3 1/2 38
													Beams	3 x 3 x 36		3 x 3 x 36	

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.

Travelling Expenses, if any £

Received by me, 28/11/20

W1307-0144