

LONGITUDINAL FRAMING.

With or Without
Disconnected Erections.

STEEL STEAMER.

FRIDEC 27 1912

Received at London Office

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

Date of completion of report

24 DEC 1912

Port of

Liverpool

No.

68753

Survey held at

Cardston

Date, First Survey

27 May 11

Last Survey

16 Dec

1912

On the

Steel single screw motor barge SILVER QUEEN.

Rig

None

TONNAGE under

146.82

Tonnage Deck...

Do. between Tonnage Dk.

and 3rd and 4th Dk.

Do. of Poop

Do. of R.Q.Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES..

Less Engine Room

Navigation Spaces

Master Tonnage

cut on Beam

CLASS F.A.I. MOTOR BARGE
FOR RIVER PURPOSES ONLY

Breadth (greatest moulded) 18.0

Depth, at middle of length from top of keel to top of upper deck beams at side 11.0

Transverse Number 29.0

Length on deck from fore part of stem to after part of stern post 95.0

Longitudinal Number 2755

Depth "d," at middle of length (See Secs. 2 & 13) 8.33

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 8.63

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

Master S. Brown

Year of appointment

Built at Cardston

When built 1912

Launched 12th Oct 1912

By whom built H & C. Grayson Ltd.

Owners Buchanan's Flour Mills Ltd.

Managers

(Where necessary to be entered in Reg. Book)

Residence Birkenhead.

Port belonging to Liverpool

Destined Voyage

If Surveyed while Building Afloat, or in Dry Dock

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
95.0	0		18.0	0		10.75	10	13	one
									none

Moulded depth, ft. 11 ins. 0 To Bridge Dk. Round of Upper Dk. Beam, Actual 4 1/2 ins.

FRAMING.				PILLARS.			
NAME, Angles, or [or L Bars amidships	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS, In 'tween Deck, size and spacing	Inches in Ship	Inches in Ship	Inches in Ship
Do. in peaks	4	3	32	" " Hold PEAKS	2 1/2	4 1/2	2 1/2
Do. in way of Double Bottoms at Solid Floors	"	"	"	" " Quarter 'tween Dks.,	"	"	"
" " at intermdt. Bkts.	"	"	"	" " in Hold	"	"	"
acing of Frames from centre to centre amidships	"	"	"	KEELSONS & STRINGERS.			
" " IN ENGINE SPACE	20 1/2	20 1/2	20 1/2	CENTRE LINE KEELSON, Vertical Plates above	15	30	15
" " length to Collision Bulkhead	22	22	22	" " Through Plate, or Intercoastal Plate	"	"	"
" " in peaks	NOTE	NOTE	NOTE	" " Rider Plate	"	"	"
VERSED FRAME, Angles	"	"	"	" " Flat Plate Keel Angles	"	"	"
Do. in way of Double Bottoms at Solid Floors	"	"	"	" " Horizontal Plates on Floors	"	"	"
" " at intermdt. Bkts.	"	"	"	" " Angles on Bulb Angles	3	3	30
AMING, depth of girder	"	"	"	SIDE KEELSONS, Number	"	"	"
DOORS, depth and thickness of Floor Plate	LONG SYSTEM	"	"	" " Angles or Bulb Angles	"	"	"
" " at mid-line for 1/2 length amidships	"	"	"	" " Plate above floors, for length	"	"	"
" " in way of Engine and Boiler Spaces	"	"	"	" " Intercoastal Plate, for length	"	"	"
" " thickness at the ends of vessel	"	"	"	" " Attached to outside Plating with Angle	"	"	"
" " depth at 1/2 the half breadth, as per Rule	"	"	"	BILGE KEELSON, Angles	"	"	"
" " height extended at the Bilges	"	"	"	" " Intercoastal Plate for length	"	"	"
DOORS & BRACKETS in Cell Dble Bottoms	"	"	"	" " Attached to outside Plating with Angle	"	"	"
" " state if flanged (top & bottom)	"	"	"	SIDE STRINGERS, Number	3	3	26
" " Spacing	"	"	"	" " Angle	3	3	30
ITRE GIRDER, in Dbl. bottom, dpth. & thcknss.	"	"	"	" " Intercoastal Plate, for length	25	25	25
" " Angles, Top	"	"	"	" " Attached to outside plating with Angle	"	"	"
" " Bottom	"	"	"	Upper Deck Stringer Plate, br'dth & thickness	36 x 30	36 x 30	
" " to Floors	"	"	"	" " (clear of Bridge)	"	"	"
E GIRDERS, number on each side & thickness	"	"	"	" " br'dth & thickness	"	"	"
" " state if flanged (top and bottom)	"	"	"	" " Angle (clear of Bridge)	3 x 3	30	3 x 3
" " Angles (top and bottom)	"	"	"	" " Tie Plate at sides of Hatchways	"	"	"
" " to Floors	"	"	"	" " Deck * Iron or Steel, for FULL lng.	"	"	"
GIN PLATE, depth (exclusive of flange)	"	"	"	" " Thickness (clear of Bridge)	"	"	"
" " and thickness	"	"	"	" " (in way of Bridge)	"	"	"
" " Angles to Outside Plating	"	"	"	" " Wood Deck. Material & thcknss.	"	"	"
" " Floors	"	"	"	Second Deck Stringer Plate, br'dth & thickness	"	"	"
" " Height of Brackets above at bilge	"	"	"	" " Angles on ditto, No.	"	"	"
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake	"	"	"	" " Tie Plates outside Hatchways	"	"	"
" " in Engine and Boiler space	"	"	"	" " Deck * Iron or Steel, for lng.	"	"	"
" " Remainder in Holds	"	"	"	" " Wood Deck. Material & thickness	"	"	"
MS, Upper Deck, Single Angle, Bulb	4	2 1/2	30	Third Deck Stringer Plate, br'dth & thickness	"	"	"
" " Angle, Plate, Tee Bulb, or Channel	"	"	"	" " Angles on ditto, No.	"	"	"
" " Angles on upper edge	"	"	"	" " Tie Plates, outside Hatchways	"	"	"
" " In way of Long Bridge	"	"	"	" " Deck * Material and thickness	"	"	"
" " Spacing	22	22	22	Fourth and Fifth Deck Stringer Plate, breadth & thickness	"	"	"
MS, Second Deck, Single Angle, Bulb	"	"	"	" " Angles on ditto, No.	"	"	"
" " Angle, Plate, Tee Bulb, or Channel	"	"	"	" " Tie Plates outside Hatchways	"	"	"
" " Angles on upper edge	"	"	"	" " Deck. Material & thickness	"	"	"
" " Spacing	"	"	"	Poop Deck Stringer Plate, breadth & thickness	"	"	"
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	"	"	"	" " Angle on ditto	"	"	"
" " Angles on upper edge	"	"	"	" " Tie Plates	"	"	"
" " Spacing	"	"	"	" " Deck. Material and thickness	"	"	"
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	"	"	"	Bridge Deck Stringer Plate, br'dth & thickness	"	"	"
" " Angles on upper edge	"	"	"	" " Angle on ditto	"	"	"
" " Spacing	"	"	"	" " Tie Plates	"	"	"
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	"	"	"	" " Deck. Material and thickness	"	"	"
" " Angles on upper edge	"	"	"	Forecastle Deck Stringer Plate, br'dth & th'kns	"	"	"
" " Spacing	"	"	"	" " Angle on ditto	"	"	"
" " Angles on upper edge	"	"	"	" " Tie Plates	"	"	"
" " Spacing	"	"	"	" " Deck. Material and thickness	"	"	"

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

EQUIPMENT No.				LETTER				ANCHORS.				TONNAGE U. D.K. OR PLATING No. FOR TRAWLERS			
Number of Certificate.		Anchors.		WEIGHT, EX. STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 31.		Description of Anchor.		Makers.		Where and when tested and Superintendent.	
1284	1st Bower	4	3	18	30	7	5	0	4	3	0	Britannia	R. Sykes & Co.	Cradley Heath	15/8/12
1283	2nd "	4	3	10	20	7	5	0	4	3	0	do	do	S.C. Paul	
	3rd "														
	4th "														
	Collective weight														
	Stream														
	Kedge														

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.		HAWERS AND WARPS.	
		Length.	Diam.	State.	Break.	Supplied.	Per Rule.	Length.	Diam.							Material.	Length and size supplied.
11347	40	16	82	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11348	40	16	82	10	10	10	10	10	10	10	10	10	10	10	10	10	10

Boats one Steering Gear, Steam none Steering Gear, Hand Fisher Ltd.
Pumps, Number 3 Diameter of Barrel 4 State whether they are in efficient working order yes
Windlass is Henry Wilson (Hand) Capstan none
Engine Room Skylights.—How constructed? Steel plating What arrangements for deadlights in bad weather? Fixed lights
Coal Bunker Openings.—How constructed? none How are lids secured? 3 scupper each side Height above deck? 1
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 3 scupper each side
Ceiling in Holds, thickness and material 3 spans Cargo Batts, thickness and material none
Cargo Hatchways.—How formed? Plat framing 34. 2'6" high Hatches, if strong and efficient? yes, 1 boards nailed to 5'3" length, in sections
State size No. 1 Hatch (Forward) 5'4" x 13'0" No. 2 Hatch 5'4" x 13'0" No. 3 Hatch 5'4" x 13'0" No. 4 Hatch 5'4" x 13'0"
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch none
Bulwarks, height above deck and description fore & aft only 30" high No. of Breasthooks one No. of Crutches dup floor
The foregoing is a correct description. C. GRAYSON, LIMITED, Main Rail, material and size 5'2" x 3" x 30 BA
Builder's Signature (here only) C. Grayson Surveyor's Signature W. R. L. Aspinall
Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this vessel. Reference should be made in any correspondence connected with the case. M 4/6/12, M 4/6/12, M 6/9/12, M 11/9/12, M 4/10/12, E 9/10/12, M 10/10/12, M 4/11/12, Mar 7

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 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 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 in accordance with the approved plans & otherwise in accordance with the rules
The workmanship & materials are satisfactory with the exception of the windlass cable holder which requires to be changed or adapted to suit the cables. Arrangements have been made to have this attended to at an early date.
The owners propose to fit the conveyor belt and elevator at some future occasion

The Surveyor should state the Number of Register and Name of any Sister Vessel. none

The amount of Entry Fee £ 1 : 0 : 0 Fees applied for 24 DEC 1912
Special Survey Fee.... £ 8 : 2 : 0 Received by me W. R. L. Aspinall
Travelling Expenses, if any £ 0 : 0 : 0 Certificate to be sent to Liv Date of issue 11/10/12
State whether the Vessel has been built under Special Survey yes
I am of opinion this Vessel should be Classed A.1 MOTOR BARGE FOR RIVER PURPOSES
LONGITUDINAL FRAMING OPEN PARTITION BULKHEAD BETWEEN ENG. SPACE & CARGO HOLD
With, or without Freeboard, as condition of Class without
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute LIVERPOOL 24 DEC 1912
Character assigned A.1 Motor Barge for river purposes
Longitudinal framing
Open partition bulkhead between eng. space & cargo hold.
Lloyd's A.C.S.
When Fee is Paid.

GENERAL REMARKS—(continued).

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 stl*

Official No. ☒; Signal Letters ☒ State if Machinery is fitted aft *ylo*
How are the surfaces preserved from oxidation? Inside *Portland cement paint and bitumastic enamel* 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,		
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. *1081*

Date *29 May 1912*

No. *80* in builder's yard.

DATES OF SURVEYS
held while building

*1912. May 22. 31. June 5. 25. July 5. 16. 25. Aug 14. 23. Sept 4. 17. Oct 8. 15.
21. 28. 31. Nov 2. 8. Dec 16.*

Total No. of Visits *19.*

Surveyor's Signature *Wm. Ashmole*

Lloyd's Register
Foundation

PARTICULARS OF LONGITUDINAL FRAMING.

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.			AMIDSHIPS.		ENDS.		AMIDSHIPS.		ENDS.	RIVETING.		
			In Ship.		In Ship.		Per Rule or as approved.		Per Rule or as approved.		Spacing of Rivets on each side of Transverses and Bulkheads.	
			Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam. Spacing.	Diameter.
			Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Inches.
Framing of L, L or C			BULB ANGLES		FRAMES AT ENDS		FRAMES AT ENDS		FRAMES AT ENDS		FRAMES AT ENDS	
Frames in Bridge 'tween Decks ...			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
Frames from Uppermost Continuous Deck			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
No. 1			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 2			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 3			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 4			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 5			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 6			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 7			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 8			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 9			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 10			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 11			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 12			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 13			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 14			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 15			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
" 16			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
Framing from Awning, Shelter or Upper Deck to Margin Plate.			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
Spacing of Longitudinal Frames			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
Amidships			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
At Ends			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
SINGLE BOTTOM			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
Bottom			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
L or C			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
Spacing of Longitudinals			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
At Ends			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
Transverses.			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
In Bridge			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
'tween Decks			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
In Awning, Shelter or Upper 'tween Decks.			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
Lugs to Shell*			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
In Hold.			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
Spacing of Transverse Frames			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2
* State if approved ^{approved} in ⁱⁿ the ^{the} report ^{report} on ^{on} the ^{the} fourth ^{fourth} page ^{page} of ^{of} the ^{the} report ^{report} and ^{and} reference ^{reference} to ^{to} be ^{be} made ^{made} under ^{under} framing ^{framing} etc. ^{etc.} on ^{on} the ^{the} first ^{first} page ^{page} .			5 1/2	3	30	✓	5 1/2	3	30	✓	3/4	4 1/2

Bottom Transverses
18" x 30" spaced
5' 9" apart.

2 3/4 Dia. of thrust shaft under

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.
The fourth page of the Report, and reference to any other page made under framing, etc., on the first page.