3 Decks.

~~IRON OR~~ STEEL STEAMER.

WED. 10 OCT 1906

Received at London Office .....

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

Date of completion of report 8th October 1906. Port of Belfast. No. 6187

Survey held at Belfast. Date, First Survey 10th Nov 1905 Last Survey 2nd Dec 1906.

On the S.S. Star of Japan Rig Schooner

TONNAGE under Tonnage Deck ... 5865·24
Do. between Tonnage Dk. and 3rd and 4th Dk.
Total under Upper Dk.
Do. of Poop 82·02
Do. of Bridge House
Do. of Forecastle 109·53
Do. of Houses on Dk. 158·36
Do. of excess of Hatchways 29·53
Do. above Crown of Room .. 40·84
...tage 6235·52
...space 197·18
...Crown of Room .. 6038·34
...Fees .. 1995·34
...Room 43·23
...ion Spaces
...onnage Beam .. 3999·74

THREE DECKED VESSEL

CLASS 100 A.1. Shelter Dk.

	FEET.
Half Breadth (moulded)	24·50
Depth from upper part of Keel to top of Upper Deck Beams (with the normal round up of beam)	34·41
Girth of Half Midship Frame (as per Rule)	57·52
	119·43
deduct 7 feet	7·00
1st Number	112·43
Length on deck from after part of stem to fore part of stern post	437·96
2nd Number	49239
Proportions—Breadth to Length	7·96
Depth to Length—Upper Deck to top of Keel	12·72
Main Deck ditto Assumed	16·5

Master H. White Illyatt

Year of appointment (1) As Master in service of owner of present vessel:—18 92 (2) As Master of this vessel 18

Built at Belfast

When built 1905-6 Launched 23/8/06.

By whom built Workman Clark & Co Ld.

Owners Star Line Ld.

Managers J. P. Corry & Co. (Where necessary to be entered in Reg. Book)

Residence London.

Port belonging to Belfast.

Destined Voyage London via Barry If Surveyed while Building, Afloat, ~~or in Dry Dock~~

	Feet.	Inches.		Feet.	Inches.		Feet.	Inches.	
...n Deck ...le	434	11½	**BREADTH**— Moulded	55	0	**DEPTH, ACTUAL**—Top of Floors to top of Upper Dk. Beams	30	5	No. of Decks with flat laid 2 & Shelter Dk
						Do. do. do. do. Main Dk. Beams	21	5	No. of Tiers of Beams 2 & Shelter Dk

...f Ship per Register, Length 440·3 breadth 55·3 depth 30·35 Moulded depth, ft. 33 ins. 3 To Upper Dk. Round of Upper Dk. Beam, Actual 13 ins.

FRAMING.

	Inches in Ship	Inches in Ship.	~~16ths or~~ 20ths in Ship.	Inches per Rule Or as	Inches per Rule Approved.	~~16ths or~~ 20ths per Rule
~~...angles, or~~ 7, [~~or~~ ⊥ Bars for ⅜ length amidships	9	3½	3½ × 10	9	3½ × 3½	× 10
... at each end ... Bulb angles	9	3½	10	9	3½	10
...ay of Double Bottoms at Solid Floors	3½	3½	10·9	3½	3½	10·9
,, at intermdt. Bkts.						
...of Frames from moulding edge to ...g edge, all fore and aft	26			26		
...ED FRAME, Angles	3½	3½	10	3½	3½	10
...RAMING, depth of girder	9			9		
..., depth and thickness of Floor Plate ...t mid-line for ⅜ length amidships						
...way of Engines and Boilers						
...kness at the ends of vessel						
...th at ¾ the half breadth, as per Rule						
...ght extended at the Bilges						
... & BRACKETS in Cell Dble Bottoms	47		11·9·8		11·9·8	
,, Distance apart	26			26		
... GIRDER, in Double bottom, depth ...nd thickness	47		12·11·9	47	12·11·9	
,, Angles, Top	4	4	10·9	4	4	10·9
,, ,, Bottom	5	5	12·10	5	5	12·10
...RDERS, number on each side & thickness	2		9·8	2		9·8
,, Angles	3½	3½	9	3½	3½	9
... PLATE, depth (exclusive of flange) ...nd thickness	39		12·11·10	39	12·11·10	
,, Angles to Outside Plating	4	4	11	4	4	11
... BOTTOM PLATING, breadth and thickness of **Middle Line Strake**	47		12·11·9	47	12·11·9	
,, ,, in Engine and Boiler space			11·12			11·12
,, ,, Remainder in Holds			9·8			9·8
Upper Deck, ~~Single Angle, Bulb Angle, Plate or Tee Bulb~~ Channel	8	3½	3½ × 10	8	3½ × 3½	× 10
Angles on upper edge						
Average space	26			26		
Middle Deck, ~~Single Angle, Bulb Angle, Plate or Tee Bulb~~ Channel	8	3½	3½ × 12	8	3½ × 3½	× 12
Angles on upper edge						
Average space	26			26		
Shelter ~~Lower~~ **Deck,** ~~Single Angle, Bulb Angle, Plate or Tee Bulb~~ Channel	6	3	3 × 8	6	3	× 3 × 8
Angles on upper edge						
Average space	26			26		
..., **Hold, or Orlop,** Plate or Tee Bulb						
Angles on upper edge						
Average space						
..., **Poop Deck,** Angle, Bulb Angle, Plate or Tee Bulb						
Angles on upper edge						
Average space						
..., **Bridge Deck,** Angle, Bulb Angle, Plate or Tee Bulb						
Angles on upper edge						
Average space						
..., **Forecastle Deck,** Angle, Bulb Angle, Plate or Tee Bulb						
Angles on upper edge						
,, Average space						
PILLARS, In 'tween Deck, size and spacing						
,, ,, **Hold** ,, ,,	3"	52"		3"	52"	
,, **Quarter 'tween Dks.,** ,, ,,	5·3¾	52"		5·3¾	52"	
,, ,, **in Hold** ,, ,,						
WEB-FRAMES, In Fore Body, No. and spacing						
,, ,, ,, brdth. & thickness						
,, No. of Side Stringers ,, ,,						
WEB-FRAMES, In E. & B. Space, No. & spacing	Screen Bulkheads as per profile					
,, ,, ,, brdth. & thickness						
WEB-FRAMES, In After Body, No. and spacing						
,, ,, ,, brdth. & thickness						
,, No. of Side Stringers ,, ,,						
,, Size of Angles or Tee Bars to **Web-Frames**						
BRACKET PLATES to Stringers between Web Frames, depth and thickness						

FORGINGS or CASTINGS.

	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar or Side Plates, depth and thickness	Flat plate.	
STEM, moulding and thickness	12 × 3¼	12 × 3¼
STERN-POST for Rudder do. do.	12½ × 7¾	12½ × 7¾
,, for Propeller	12½ × 7¾	12½ × 7¾
MAIN PIECE of **Rudder,** diameter at head	10½	10½
,, ,, do. at heel	8½	8½

RUDDER, how constructed Single plate

Can the Rudder be unshipped afloat? Yes.

KEELSONS & STRINGERS.

	Inches in Ship.	Inches in Ship.	~~16ths or~~ 20ths in Ship.	Inches per Rule Or as	Inches per Rule Approved.	~~16ths or~~ 20ths per Rule
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate						
,, Rider Plate						
,, Bulb Plate to Intercostal Keelson						
,, Horizontal Plates on Floors						
,, Angles						
SIDE KEELSON, Angles						
,, Bulb or Plate above floors, for ... lng.						
,, Intercostal Plate, for ... length						
,, Attached to outside Plating with Angle						
BILGE KEELSON, Angles						
,, Bulb or Plate above floors, for ... lng.						
,, Intercostal Plate for ... length						
,, Attached to outside Plating with Angle						
BILGE STRINGER Angles						
,, Bulb Plate for ... length						
,, Intercostal Plate for ... length						
,, Attached to outside Plating with Angle						
4 **SIDE STRINGERS** Angles	6½	4½	15·12	6½	4½	15·12
,, ~~Bulb or~~ Intercostal Plate, for full lng.			10·9			10·9
,, Attached to outside plating with Angle	3½	3½	10·9	3½	3½	10·9
Upper Deck Stringer Plates, br'dth & thickness	69		11·9	69		11·9
,, Angle on ditto ... 2 No.	4×4		9·8	4×4		9·8
,, Tie Plates fore and aft, outside Hatchways						
,, Deck.* ~~Iron or~~ Steel, for full lng.			8·7			8·7
,, Wood Deck. Material & thickness						
~~Lower~~ Shelter **Deck Stringer Plate,** br'dth & thickness	50		11·8	50		11·8
,, Angles on ditto, No. One 4×4 &	6×6		12·9	6×6		12·9
,, Tie Plates, outside Hatchways Steel			8·7			8·7
,, Deck.* Material and thickness	P. Pine 5×3½			P.P. 5×3½		
Hold, or Orlop Stringer Plate, br'dth & thckn's						
,, Angles on ditto, No.						
,, Tie Plates outside Hatchways						
,, Deck. Material and thickness						
Poop Deck Stringer Plate, breadth & thickness						
,, Angle on ditto						
,, Tie Plates						
,, Deck. Material and thickness						
Bridge Deck Stringer Plate, br'dth & thickness						
,, Angle on ditto						
,, Tie Plates						
,, Deck. Material and thickness						
Forecastle Deck Stringer Plate, b'dth & th'kns						
,, Angle on ditto						
,, Tie Plates						
,, Deck. Material and thickness						

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

BULKHEADS.

	Number. In Vessel.	Number. Per Rule.	Thickness. ~~16ths or~~ 20ths.	STIFFENERS. ~~Horizontal.~~ Size. Inches.	~~Horizontal.~~ Spacing Inches.	Vertical. Size. Inches.	Vertical. Spacing Inches.	Single or Double Frames.	Height up.
W. T. BULKHEADS	7	7	8·7	9 × 3½ × 3½ ×		12-13/20	Chan.	DH	U. D.K.
PARTITION ,,				8 × 3½ ×	8/20	× B.A.	30"		
LONGITUDINAL ,,				7 × 3½ ×	10/20	Angle			

Are the outside Plates doubled two spaces of Frames in length? Approved lines.

Are the ~~Sluice Valves and~~ Watertight Doors in efficient working order? Yes

Form No. 1B. 9-96

W 157-011

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PLATING.

STRAKES.	As in Ship. Amidship. Breadth. (Inches.)	As in Ship. Amidship. Thickness. (~~16ths or~~ 20ths)	As in Ship. Forward. Thickness. (~~16ths or~~ 20ths)	As in Ship. Aft. Thickness. (~~16ths or~~ 20ths)	Per Rule or as Approved. Amidship. Breadth. (Inches.)	Per Rule or as Approved. Amidship. Thickness. (~~16ths or~~ 20ths)
Flat Plate Keel (If Bar Keel, state Riveting)	46	23	16	16	46	23-15
Garboard or A Strake	52	16	14	15	52	16.14
B "		12	11	10		13.10
C "		13	11	16		14.11
D "		12	11	11		13.10
E "		13	12	16		14.11
F "		13	10	11		13.10
G "		14	11	16		14.11
H "		13	10	15		13.10
J "		14	11	14		14.11
K "		13	10	13		13.10
L "		14	11	14		14.11
M "		13	10	13		13.10
N "		14	11	13		14.11
O "		13	10	10		13.10
Sheerstrake P "	48	15	11	11	48	15.11
Q "		13	9	9		13.9
R "		15	9	9		15.9

State actual thickness in way of Double Bottom.

Write 'Sheer Strake' opposite its corresponding letter.

Doubling of Flat Plate Keel: Increased in Men

Length and thickness of Bilges: do

of Sheerstrakes: do

of Strake below: above do

Poop Sides / Bridge Sides / Forecastle Sides: Complete Shelter Dk.

RIVETING.

Edges. Single or Double.	Edges. Breadth of Lap. (Inches.)	Edges. Rivets. Diam. (Inches.)	Edges. Rivets. Spacing cr. to cr. (Inches.)	Butts. Double or Treble and for what Length.	Butts. Rivets. Diam. (Inches.)	Butts. Rivets. Spacing cr. to cr. (Inches.)	Butts. Straps. Breadth. (Inches.)	Butts. Straps. Thickness. (~~16ths or~~ 20ths)	If Lapped. Breadth. (Inches.)	If Lapped. For what Length. (Feet.)
Dbl.	6¾	1⅛	4 2/6	Dbl.	1⅛	3⅝	2½	16-15		
"	6	1	3 5/7	"	1	3½			16½	Full
"	5¼	⅞	3¼	"	⅞	3⅛			9	"
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"			"	"
"	"	"	"	Quad ½	"	3½			12½	"
"	"	"	"	Quad ½	1	4			14	"
"	"	"	"	"	⅞	3½			12½	"
"	"	"	"	Dbl	1	3½			10½	"
"	"	"	"	"	⅞	3⅛			9	"
"	"	"	"	"	1	3½			10½	"
"	"	"	"	"	⅞	3⅛			9	"
"	"	"	"	"	1	3½			10½	"
"	6	1	3 5/7	Quad ½	⅞	3½			12½	"
"	"	"	"	" ½	1	4			14	"
"	"	"	"	" ¾	⅞	3½			12½	"
"	"	"	"	" ¾	1	4			14	"

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.? Siemens Martin. South Durham Steel & Iron Co Ld. Glasgow Iron & Steel Co Ld. Steel Co of Scotland. Dowlais Cardiff works. Dorman Long & Co Ld. Lanarkshire Steel Co Coatbridge.

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

Upper Deck Stringer Plate — **Butts,** treble riveted for whole length ~~amidship~~. **Straps,** ~~single, double or~~ overlapped for whole length ~~amidship~~.

Middle Deck Stringer Plate — **Butts,** treble riveted for whole length ~~amidship~~. **Straps,** ~~single, double or~~ overlapped for whole length ~~amidship~~.

Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? Dbl.

Inner Bottom Plating, riveting of **Edges** Dbl & Sgl. **Butts** Dbl.

Centre Girder Butts, Dbl. riveted **Keelson Butts,** Dbl & Dbl. riveted.

Frames, riveted through Plates with 1 & 7/8 in. Rivets, about 5 & 2¾ apart.

Rivets, state whether Iron or Steel Iron

FRAMES extend in one length from centre girder to margin plate & from margin plate to Shelter Deck

REVERSED FRAMES on floors and frames extend from centre girder to margin plate and from margin plate to main deck beams. Channel and Bulb Angle Frames.

MASTS, SPARS, &c.

	Material.	Total Length.	Diameter and Thickness. At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles. Number.	Angles. Size.	Riveting. Seams.	Riveting. Butts.
Lower Masts. Fore	Steel	87.10	26×8/20	21×7/20	18×7/20	18×7/20	2			Sgl	Dbl & Dbl.
Main	"	79.9	26×8/20	21×7/20	18×7/20	18×7/20	2			"	" "
Mizen											
Bowsprit											

Topmasts, Yards and Remainder of **Spars** Pitch pine.

Rigging, Material and Size, **Shrouds** Steel wire 3 – 3½ – 4" Dia **Stays** Steel wire 2¾ – 3½ – 5

Sails. One Suit of fore and aft Sails, and the following spare sails —

EQUIPMENT No. 59120 **LETTER** C T.

ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight Required by Table 22. Cwts.	qrs.	lbs.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
57856	1st Bower	77	2	26	Stockless			54	12	2	0	77	0	0	Halls Cast Steel Kent	W. Hingley & Sons	LPHN. 18/9/06 ×
57855	2nd "	77	0	15	"			54	8	3	0	77	0	0	"	"	" 18/9/06 ×
57871	3rd "	62	0	0	15	1	12	49	10	0	0	52	2	0	Box Stock Rodgers	"	" 15/9/06
	4th "																× Hammer Drop & Bend Certs
	Collective weight	216	3	13								206	2	0			
57863	Stream	21	3	17	5	2	16	22	7	2	0	22	0	0	Rodgers	"	LPHN. 18/9/06
57862	Kedge	10	1	5	2	2	14	12	6	2	7	10	0	0	"	"	" 18/9/06

If Patent state name of Patentee. If Stockless, state Mechanical Tests.

L. Haffner. Ass^t Sup^td.

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	Weight of Chain Cable. Supplied.	Weight of Chain Cable. Per Table 22.	Fathoms and Size per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.
40454	150	2 7/16"	149·1·22	445·0·6	890·1·4	300×2 7/16	Stud	W. Hingley & Sons	LPHN. 13/9/06
40462	150	2 7/16	106·18·0	445·0·18				"	" 15/9/06.
				290·0·22				L. Haffner Ass^t Sup^td.	
~~Iron~~ Stream ~~Chain~~ or Steel Wire	120	5"	59			120×5"			

HAWSERS AND WARPS.

	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size per Table 22.
Towline		130	5¾	78	130×5¾
Hawser 2 No		90	3½	26	100×8"
Warp 5 No		90	8"	Man	4 No.

Boats 2 Life cutters and 2 Cutters

Pumps, Number 9 – 5" & 1 – 4" Diameter of Barrel State whether they are in efficient working order Yes

Windlass is Iron patent. **Capstan**

Engine Room Skylights.—How constructed? Steel casings

What arrangements for deadlights in bad weather? Steel shutters & glass panes.

Coal Bunker Openings.—How constructed? Steel coamings How are lids secured? Battened Height above deck? 15"

Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** 8 Scuppers & 2 freeing ports 18×22

Ceiling in Holds, thickness and material W.P. 2½ **Ceiling 'tween Decks,** thickness and material W.P. 2"

Cargo Hatchways.—How formed? Steel Casings **Hatches,** If strong and efficient? Yes.

State size **No. 1 Hatch** (Forward) 28·8×14 **No. 2 Hatch** 26×15 **No. 3 Hatch** 19·6×15 **No. 4 Hatch** 19·6×14

Number of **Web Plates, Shifting Beams** and **Fore** and **Afters** to each Hatch 2 Webs and 3 beams in each.

No. of Breasthooks 8 **No. of Crutches** 3 & deep floors

Bulwarks, height above deck and description Open Rails Main Rail, material and size

The above is a correct description.

Builder's Signature (here only) Thackeray

Surveyor's Signature E. J. Sullon

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

Form No. 1B.

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

ARKMAN CLARK & CO., LIMITED. SECRETARY

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

M. 10.11.05. 20.11.05. 1.12.05. 23.2.05

Workmanship. Are the butts of plating planed or otherwise fitted? Lapped & 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 faying surfaces? Yes Do any rivets break into or through the seams or butts of 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.) This vessel has been built in accordance with the Rules, the approved plans and the Secretarys letters quoted above.

The workmanship and materials are good throughout.

Nos 1.2 & 4 holds are insulated for the carriage of frozen meat cargoes.

(S/S Star of Scotland) Belfast Report 5807.

This vessel was built from the same scrieve as above, but the scantlings are altered slightly.

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 (Ste) and Shelter Dk (Steel - WS) and deep framing

Official No. ; Signal Letters

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. D.B.

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	110.6	335	Fore peak tank,		
Double bottom, under Engines and Boilers,	69.4	233	After peak tank,	16	60
Double bottom, if under Engines only,			Midship deep tank,		
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	199.4	695	(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. 511

Date 9th June 1906

No. 235 in builder's yard.

Dates of Surveys held while building: 1905 Nov. 10. Dec. 7.12.15.21.22. 1906 Jan. 2.4.9.17.26.30. Feb. 1.5.9.15.16.27.28. Mar. 2.6.8.13.19.26.27.29. Apl. 4.9.13.30. May 1.10.14.16.18.22.25.30. June 5.8.11.13.18.20.22.26. July 2.11.24.26.30. Aug 1.3.7.9.10.13.15.16.21.28.29.30.31. Sept 3.6.7.8.10.12.14.18.19.20.21.26.27.28.29. Oct 1.2.

Total No. of Visits 82

The amount of Entry Fee £ 5 : 0 : 0

Special Survey Fee £ 175 : 19 : 0

Travelling Expenses, if any £ : :

Fees applied for, 8th Oct 1906.

Received by me, 12/10/06 18

Certificate to be sent to This Office

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

I am of opinion this Vessel should be Classed ✠ 100 A 1 Shelter Dk with freeboard.

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

E. J. Skilton

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

Committee's Minute FRI. 12 OCT 1906

Character assigned

100 A 1

Shelter dk with fbd s. s. 6/12

Lloyds A & O

+ LMC 1906

F.D. Elec lights

Ref Mach

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

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2/2