

With or Without Disconnected Erections.

STEEL STEAMER.

MON. JAN. 25. 1915

Received at London Office:

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

Date of completion of report *19th December 1914* Port of *Shanghai*
Survey held at *Shanghai* Date, First Survey *10th June 1914* Last Survey *15th December 1914*
On the *Steel Twin Screw Icebreaker "Meiling"* Rig *One pole mast*

TONNAGE under
Tonnage Deck... *269.65*
Do. between Tonnage Dk. and 3rd and 4th Dk.
Total under Upper 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 *342.29*
Less Crew Space *67.25*
Less above Crown of Engine Room...
TONNAGE FOR FEES... *151.27*

CLASS *100 A 1*
Breadth (greatest moulded)... *30-0*
Depth, at middle of length from top of keel to top of upper deck beams at side... *11-6*
Transverse Number... *41-50*
Length on deck from fore part of stem to after part of stern post... *120-0*
Longitudinal Number... *4980*
Depth "d," at middle of length (See Secs. 2 & 13)... *10-2 1/2*
Proportions—Depth to Length—Upper Deck Beam at side to top of keel... *10.4*
" " Long Bridge Deck Beam at side to top of keel... *✓*

Master
Year of appointment (1) As Master in service of owner of present vessel:—191 *✓*
(2) As Master of this vessel:—191 *✓*
Built at *Kiangnan Dk & Eng Works, Shanghai*
When built *1914* Launched *22nd Sept 1914*
By whom built *Kiangnan Dk & Eng Works*
Owners *Hai-Ko Steamship Commission*
Managers
Residence *Tientsin*
Port belonging to *Tientsin*

Destined Voyage *Taku Lightship to Tientsin* Surveyed while Building, Afloat, or in Dry Dock *Building*

Feet. Inches. BREADTH—Feet. Inches. DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams
Rule... *120 0* Moulded... *30 0* Do. do. do. do. Second Dk. Beams *11 10*
Moulded depth, ft. ins. *11 6* To Upper Dk. Round of Upper Dk. Beam, Actual *7 1/2* ins.

FRAMING.						PILLARS.					
	Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved	Inches per Rule Or as Approved		Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule Or as Approved	Inches per Rule Or as Approved
Angles, <i>—</i> Beam amidships	<i>4</i>	<i>3</i>	<i>38</i>	<i>4</i>	<i>3</i>	PILLARS, In 'tween Deck, size and spacing	<i>23/4</i>	<i>44</i>	<i>23/4</i>	<i>44</i>	
peaks	<i>4</i>	<i>3</i>	<i>38</i>	<i>4</i>	<i>3</i>	" " Hold	<i>23/4</i>	<i>44</i>	<i>23/4</i>	<i>44</i>	
way of Double Bottoms at Solid Floors	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	" Quarter 'tween Dks.,	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	
" " at intermdt. Bkts.	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	" " in Hold	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	
of Frames from centre to centre amidships	<i>22</i>			<i>22</i>		KEELSONS & STRINGERS.					
" " from <i>2</i> length to Collision bulkhead	<i>22</i>			<i>22</i>		CENTRE LINE KEELSON, Vertical Plate, or Intercoastal Plate	<i>21 X 32 1/2</i>	<i>48</i>	<i>21 X 32 1/2</i>	<i>48</i>	
" " in peaks	<i>12 1/2</i>	<i>20</i>		<i>12 1/2</i>	<i>20</i>	" Rider Plate	<i>3</i>	<i>3</i>	<i>32</i>	<i>3</i>	<i>32</i>
USED FRAME, Angles	<i>3</i>	<i>3</i>	<i>28</i>	<i>3</i>	<i>3</i>	" Flat Plate Keel Angles	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
in way of Double Bottoms at Solid Floors	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	" Horizontal Plates on Floors	<i>5 1/2</i>	<i>3</i>	<i>36</i>	<i>5 1/2</i>	<i>3</i>
" " at intermdt. Bkts.	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	" Angles Bulb Angles	<i>One each side</i>	<i>One each side</i>	<i>One each side</i>	<i>One each side</i>	<i>One each side</i>
ING, depth of girder	<i>4</i>			<i>4</i>		SIDE KEELSONS, Number	<i>3</i>	<i>3</i>	<i>30</i>	<i>3</i>	<i>30</i>
RS, depth and thickness of Floor Plate	<i>15 1/2</i>	<i>X</i>	<i>32</i>	<i>15 1/2</i>	<i>X</i>	" Angles Bulb Angles	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
at mid-line for <i>2</i> length amidships	<i>36</i>	<i>7</i>	<i>42</i>	<i>36</i>	<i>7</i>	" Plate above floors, for whole length	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
in way of Engine and Boiler Spaces	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	" Intercoastal Plate, for whole length	<i>3</i>	<i>3</i>	<i>30</i>	<i>3</i>	<i>30</i>
thickness at the ends of vessel	<i>28</i>			<i>28</i>		" Attached to outside plating with Angle	<i>3</i>	<i>3</i>	<i>30</i>	<i>3</i>	<i>30</i>
depth at <i>2</i> the half breadth, as per Rule	<i>8</i>			<i>8</i>		BILGE KEELSON, Angles	<i>3</i>	<i>3</i>	<i>30</i>	<i>3</i>	<i>30</i>
height extended at the Bilges	<i>31</i>			<i>31</i>		" Intercoastal Plate for whole length	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
ORS in Cell. Double Bottoms	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	" Attached to outside Plating with Angle	<i>3</i>	<i>3</i>	<i>30</i>	<i>3</i>	<i>30</i>
state if flanged (top & bottom)	<i>On every frame</i>			<i>On every frame</i>		SIDE STRINGERS, Number	<i>One</i>	<i>One</i>	<i>One</i>	<i>One</i>	<i>One</i>
Spacing of Solid floors	<i>On every frame</i>			<i>On every frame</i>		" Angle	<i>4</i>	<i>3</i>	<i>50</i>	<i>4</i>	<i>3</i>
FIRE GIRDER, in Dbl. bottom, dpth. & thcknss.	<i>On every frame</i>			<i>On every frame</i>		" Intercoastal Plate, for whole length	<i>12 X 50</i>		<i>12 X 50</i>		
" Angles, Top	<i>On every frame</i>			<i>On every frame</i>		" Attached to outside plating with Angle	<i>3</i>	<i>3</i>	<i>30</i>	<i>3</i>	<i>30</i>
" " Bottom	<i>On every frame</i>			<i>On every frame</i>		Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	<i>26 X 34 1/2</i>	<i>30</i>	<i>26 X 34 1/2</i>	<i>30</i>	
" " to Floors	<i>On every frame</i>			<i>On every frame</i>		" " " " (br'dth & thickness in way of Bridge)	<i>3 X 3 X 36 1/2</i>	<i>32</i>	<i>3 X 3 X 36 1/2</i>	<i>32</i>	
Brackets at intermdt. frmng., wdth & thcknss	<i>On every frame</i>			<i>On every frame</i>		" " " " Angle (clear of Bridge)	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>
E GIRDERS, number on each side & thickness	<i>On every frame</i>			<i>On every frame</i>		" Tie Plate at sides of Hatchways	<i>32 X 24</i>		<i>24</i>		
state if flanged (top and bottom)	<i>On every frame</i>			<i>On every frame</i>		" Deck * <i>Low</i> Steel, for whole lng.	<i>24</i>		<i>24</i>		
Angles (top and bottom)	<i>On every frame</i>			<i>On every frame</i>		" Thickness (clear of Bridge)	<i>24</i>		<i>24</i>		
" " to Floors	<i>On every frame</i>			<i>On every frame</i>		" " (in way of Bridge)	<i>24</i>		<i>24</i>		
RGIN PLATE, depth (exclusive of flange) and thickness	<i>On every frame</i>			<i>On every frame</i>		" Wood Deck. Material & thickness	<i>Teak 2 1/2</i>		<i>Teak 2 1/2</i>		
Angle to Outside Plating	<i>On every frame</i>			<i>On every frame</i>		Second Deck Stringer Plate, br'dth & thickness	<i>18 X 30</i>		<i>18 X 30</i>		
" Floors	<i>On every frame</i>			<i>On every frame</i>		" Angles on ditto, No.	<i>3 X 3 X 30</i>		<i>3 X 3 X 30</i>		
Brackets at intermdt. frmng., wdth & thcknss	<i>On every frame</i>			<i>On every frame</i>		" Tie Plates outside Hatchways	<i>6 X 26</i>		<i>6 X 26</i>		
Height of Outside Brackets above at bilge	<i>On every frame</i>			<i>On every frame</i>		" Deck * Iron or Steel, for lng.	<i>fine 2"</i>		<i>fine 2"</i>		
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	<i>On every frame</i>			<i>On every frame</i>		" Wood Deck. Material & thickness	<i>fine 2"</i>		<i>fine 2"</i>		
" " in Engine and Boiler space	<i>On every frame</i>			<i>On every frame</i>		Third Deck Stringer Plate, br'dth & thickness					
" " Remainder in Holds	<i>On every frame</i>			<i>On every frame</i>		" Angles on ditto, No.					
AMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>On every frame</i>			<i>On every frame</i>		" Tie Plates, outside Hatchways					
" " In way of Long Bridge	<i>On every frame</i>			<i>On every frame</i>		" Deck * Material and thickness					
Spacing	<i>On every frame</i>			<i>On every frame</i>		Fourth and Fifth Deck Stringer Plate, breadth & thickness					
AMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>On every frame</i>			<i>On every frame</i>		" Angles on ditto, No.					
" " Spacing	<i>On every frame</i>			<i>On every frame</i>		" Tie Plates outside Hatchways					
AMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>On every frame</i>			<i>On every frame</i>		" Deck. Material & thickness					
" " Angles on upper edge	<i>On every frame</i>			<i>On every frame</i>		Poop Deck Stringer Plate, breadth & thickness					
Spacing	<i>On every frame</i>			<i>On every frame</i>		" Angle on ditto					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>On every frame</i>			<i>On every frame</i>		" Tie Plates					
" " Angles on upper edge	<i>On every frame</i>			<i>On every frame</i>		" Deck. Material and thickness					
Spacing	<i>On every frame</i>			<i>On every frame</i>		Bridge Deck Stringer Plate, br'dth & thickness	<i>24 X 24</i>		<i>24 X 24</i>		
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>On every frame</i>			<i>On every frame</i>		" Angle on ditto	<i>5 1/2 X 3 X 40</i>		<i>5 1/2 X 3 X 40</i>		
" " Angles on upper edge	<i>On every frame</i>			<i>On every frame</i>		" Tie Plates	<i>9 X 25</i>		<i>9 X 25</i>		
Spacing	<i>On every frame</i>			<i>On every frame</i>		" Deck. Material and thickness	<i>Teak 2"</i>		<i>Teak 2"</i>		
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	<i>On every frame</i>			<i>On every frame</i>		Forecastle Deck Stringer Plate, br'dth & th'kns	<i>24 X 24</i>		<i>24 X 24</i>		
" " Angles on upper edge	<i>On every frame</i>			<i>On every frame</i>		" Angle on ditto	<i>5 1/2 X 3 X 40</i>		<i>5 1/2 X 3 X 40</i>		
Spacing	<i>On every frame</i>			<i>On every frame</i>		" Tie Plates	<i>Teak 2"</i>		<i>Teak 2"</i>		
" " Angles on upper edge	<i>On every frame</i>			<i>On every frame</i>		" Deck. Material and thickness	<i>Teak 2"</i>		<i>Teak 2"</i>		
Spacing	<i>On every frame</i>			<i>On every frame</i>							

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

007021-007032-00564

[illegible]

EQUIPMENT No.				ANCHORS.				Tonnage U.D.K. or PLATING No.				FOR TRAWLERS			
Number of Certificate	Anchors	WEIGHT EX STOCK	WEIGHT OF STOCK	TEST PER CERTIFICATE	WEIGHT REQUIRED BY TABLE II.	Description of Anchor	Makers	Where and when tested and Superintendent							
71791	1st Bower ...	Cwts. qrs. lbs. 0 3	✓ ✓ ✓	Tons cwt. lbs. 11 4 2 21	✓ 0 0	Stockless	Hingley & Sons	Rethusa 15 th Aug 1914							
71793	2nd " ...	9 0 24	✓ ✓ ✓	11 6 3 14	✓ 0 0	"	" "	" " "							
71792	3rd " ...	9 1 0	✓ ✓ ✓	11 6 3 14	✓ 0 0	"	" "	" " "							
	4th " ...					"	" "	" " "							
	Collective weight	27 1 27			18 0 0	"	" "	" " "							
42653	Stream	3 1 0	0 3 7	5 14 1 14	3 0 0	Ordinary	✓	Lipton 14.7.14 Ferrins							
42652	Kedge.....	1 1 14	0 1 14	3 15 3 21	1 1 0	"	✓	" " "							

CHAIN CABLES.										HAWSEWS AND WARPS.									
Number of Certificate	Length and size supplied	Diam.	Test per Certificate	WEIGHT OF CHAIN CABLE	Length and Size per Table III.	Description	Makers of Cables	Where and when tested, and Superintendent	Material	Length and size supplied	Diam.	Breaking Test of Steel Wire	Length and Size per Table IV.	Length and Size per Table V.					
44056	Fathoms In. 165 7/8 1	1 7/8	T.C. 27-1-12	T.C. 27-1-12	84-0-17	165 1	Link	✓	Lipton 14.7.14	TOWLINE	75 2 1/2	12 1/2	75 2 1/2	12 1/2					
44055	Iron Stream Chain 45 10/16	1 1/2	T.C. 11-17	T.C. 17-16	15-3-11	11-3-19	45 7/16	✓	Lipton 13.7.14	HAWSEWS & WARPS	90 5 1/2	90 5 1/2	90 5 1/2	90 5 1/2					

Boats One, 18 feet long **Steering Gear,** Steam Yes **Steering Gear,** Hand Yes

Pumps, Number one to each compartment **Diameter of Barrel** 5" **State whether they are in efficient working order** Yes

Windlass is Steam arranged to work **Capstan** overhead on Forecastle deck

Engine Room Skylights.—How constructed? Steel plates & angles **What arrangements for deadlights in bad weather?** Canvas

Coal Bunker Openings.—How constructed? Cast iron flush **How are lids secured?** Wedge joint **Height above deck?** Flush

Number of Scuppers, and numbers and dimensions of **Freeing Ports, &c.** 5 scuppers each side fore freeing ports 5'0" X 1'-6"

Ceiling in Holds, thickness and material 2 1/2 pine **Cargo Battens,** thickness and material 6" X 2"

Cargo Hatchways.—How formed? None **Hatches,** If strong and efficient? ✓

State size No. 1 Hatch (Forward) ✓ **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'-6" steel with stings **No. of Breasthooks** One **No. of Crutches** One

The foregoing is a correct description: PAULSON & ENGINEERING WORKS. **Main Rail, material and size** Double 1/2 rounds 2 1/2" X 1 1/4"

Builder's Signature (here only) R.B. Manchaw **Surveyor's Signature** H.L. Fletcher

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

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

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 faying 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 Good

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests Good

General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the approved plans & Rules. The material and workmanship is good and in my opinion the vessel is eligible for the notation of *100A1, 12-14 in the Register Book.

*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..... £16 :	Fees applied for, 17.12.1914	Certificate to be sent to Shanghai Date of issue 26/1/15
Special Survey Fee..... £232 :	Received by me, 19.12.1914	
Travelling Expenses, if any £18 :		

State whether the Vessel has been built under Special Survey yes

I am of opinion this Vessel should be Classed *100A1

With, or without Freeboard, as condition of Class Without

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

Committee's Minute	TUE JAN 26 1915
Character assigned	*100A1

+ Lmb 12.14.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 22 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-tees) & 1st Promenade dk

Official No. ☒; Signal Letters ☒ State if Machinery is fitted aft No
How are the surfaces preserved from oxidation? Inside Cement & paint Outside Paint & composition

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,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fore peak tank,	<u>15-3</u>	<u>29</u>
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	After peak tank,	<u>7-6</u>	<u>32</u>
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, forward,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Other tanks, if fitted, <u>2 Fresh water tanks</u>		<u>8</u>
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. 11

Date 28th May 1914

No. 199 in builder's yard.

DATES of Surveys held while building

1914. June 10. 15. 20. 25. July 8. Aug 4. 5. 7. 8. 13. 21. 28. Sept 13. 17. 21. 22. Oct 1. 12. 14. 19. 27. 30. November 2. 10. 27. Dec 7. 9. 10. 11.

Surveyor's Signature H. K. Fletcher

Total No. of Visits 29