

IRON OR STEEL STEAMER.

No. 807
FRI. 14 AUG 1908

State of Report is also sent on the Machinery of the Vessel and

Port of *Christiania* Date of completion of Report *11/8-08* Received at London Office *6/8-08*
 Survey held at *Tring* Date, First Survey *16/8-07* Last Survey *1908*
 On the *1/2 "Oftar"* Rig *Schooner*
 Master *J. R. Knudsen*

TONNAGE under Tonnage Deck *1437.68* SPAR, AWNING OR PART AWNING-DECKED VESSEL, or a Vessel having a continuous Shade Deck.
 Do. between Tonnage Dk. and 3rd, 4th, Spar or Awning Dk. *1437.68* CLASS ***100 A1**
 Total under Upper Dk. *18.11* FEET.
 Do. of Poop *18.11* Half Breadth (moulded) *18.42* Built at *Tring*
 Do. of Bridge House *30.54* Depth from upper part of keel to top of Main Deck Beams *14.75* When built *1908* Launched *30/5-08*
 Do. of Forecastle *69.06* (with the normal round up of beam)
 Do. of Houses on Deck *29.42* Girth of Half Midship Frame (as per Rule) *30.33* By whom built *Jørgen Knudsen & Co.*
 Do. of excess of Hatchways
 Do. above Crown of Engine Room *1584.87* 1st Number *63.50* Owners *Actis. "Oftar" Jørgen Knudsen*
 Gross Tonnage *70.19* Length on deck from after part of stem to fore part of stern post *250.58* Managers *Jørgen Knudsen*
 Less Crew Space
 Above Crown of Engine Room *1485.00* 2nd Number *15911.83* Residence *Porsgrund*
 Tonnage for Fees... *977.86* Proportions—Breaths to Length... *6.80* Port belonging to *Porsgrund*
 Engine Room *972.14* Depths to Length—Main Deck to top of Keel *11.27*
 Navigation Spaces
 Master Tonnage *922.14* Destined Voyage *Middlesbrough* If Surveyed while Building, Afloat, or in Dry Dock *yes*

LENGTH on Deck as per Rule	250	7	BREADTH Moulded	36	10	DEPTH, ACTUAL—Top of Floors to top of Spar or Awn. Dk. Beams	14	ins.	0	Power of Engines	10	Horse.	No. of Decks with flat laid	2	No. of Tiers of Beams	2	Round up of Main Dk. Beam, (Actual)	9
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Dimensions of Ship per Register, Length *252.6* breadth *37.0* depth *19.2* Spar *14* Dk. Moulded depth, ft. *14* ins. *0* To Main Dk. Round up of Main Dk. Beam, (Actual) *9* ins.

FRAMING.	Inches in Ship.			Inches per Rule Or as Approved.			Inches in Ship.	FORGINGS AND CASTINGS.			Inches in Ship.			Inches per Rule Or as Approved.										
	20ths in Ship.	Inches per Rule Or as Approved.	20ths 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 in Ship.	Inches in Ship.	Inches per Rule Or as Approved.		Inches per Rule Or as Approved.									
NAME, Angles, or L or C Bars, for 1/2 length amidships	6	3	9	6	3	9	KEEL, Bar or Side Plates, depth and thickness	8	2	3/8	8	2	3/8	8	2	3/8	STEM, moulding and thickness	8	1/8	5	8	1/8	5	
Do. for 1/2 at each end	6	3	8	6	3	8	STERN-POST for Rudder do. do.	8	1/4	5	8	1/4	5	8	1/4	5	STERN-POST for Propeller	8	1/4	5	8	1/4	5	
Do. in way of Double Bottoms at Solid Floors	3	3	7-6	3	3	7-6	MAIN PIECE of Rudder, diameter at head	5	1/2	5	5	1/2	5	5	1/2	5	do. at heel	5	1/2	5	5	1/2	5	
Do. at intervals	3	3	23	3	3	23	RUDDER, how constructed	<i>single plate</i>										Can the Rudder be unshipped afloat?	<i>yes</i>					
Keeling of Frames from centre to centre	3	3	7-3	3	3	7-3	KEELSONS AND STRINGERS.											CENTRE LINE KEELSON, Vertical Plate (above floors, Through Plate, or Intercoastal Plate)						
REVERSED FRAME, Angles as double	3	3	7-3	3	3	7-3	Do. Rider Plate											Do. Bulb Plate to Intercoastal Keelson						
REP FRAMING, depth of girder							Do. Horizontal Plates on Floors											Do. Angles						
DOORS, depth and thickness of Floor Plate							SIDE KEELSON, Angles											Do. Bulb or Plate above floors, for length						
Do. at mid-line for 1/2 length amidships							Do. Intercoastal Plate, for length											Attached to outside plating with Angle						
DOORS, thickness at the ends of vessel							BILGE KEELSON, Angles											Do. Bulb or Plate above floors, for length						
Do. depth at the half-bdth. as per Rule							Do. Intercoastal Plate, for length											Attached to outside plating with Angle						
Do. height extended at the Bilges							BILGE STRINGER Angles											Do. Bulb Plate, for length						
DOORS & BRACKETS, in Cell Dble Bottoms							Do. Intercoastal Plate, for length											Attached to outside plating with Angle						
state if flanged (top & bottom)							SIDE STRINGER Angles											Do. Bulb, Intercoastal Plate, for full length						
spacing							Do. Attached to outside plating with Angle											Spar, or Awning Deck Stringer Plates, breadth and thickness						
TRE GIRDER, in Double bottom, depth and thickness							Do. Angle on ditto											Do. Tie Plates, fore and aft, outside Hatchways						
Angles, Top							Do. Diagonal Tie Plates, No. of prs.											Do. Deck * Iron or Steel for full length						
Bottom							Do. Deck * Material and thickness											Main Deck Stringer Plate, breadth & thickness						
Do. Spacing							Do. Deck * Material and thickness											Do. Angles on ditto, No.						
E GIRDERS, number and thickness							Do. Deck * Material and thickness											Do. Tie Plates, outside Hatchways						
state if flanged (top & bottom)							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Angles							Do. Deck * Material and thickness											Hold, or Orlop Stringer Plate, br'dth & thck'n's						
Angle, Top							Do. Deck * Material and thickness											Do. Angles on ditto, No.						
Bottom							Do. Deck * Material and thickness											Do. Tie Plates, outside Hatchways						
Do. Spacing							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
GIN PLATE, depth (exclusive of flange) and thickness							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Angles to outside plating							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
to floors							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Height of floors at the Bilges							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
thickness in Engine and Boiler space							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Remainder in Holds							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
MS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Angles on upper edge							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Spacing							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
MS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Angles on upper edge							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Spacing							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
MS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Angles on upper edge							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Spacing							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
MS, Hold, or Orlop, Plate or Tee Bulb							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Angles on upper edge							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Spacing							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
MS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Angles on upper edge							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Spacing							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
MS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Angles on upper edge							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Spacing							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
MS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Angles on upper edge							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Spacing							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
MS, in tween Deck, size and spacing							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Hold							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Quarter, tween Deck							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
In Hold							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
WEB FRAMES, In Fore Body, No. and spacing							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
No. of Side Stringers							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Do. br'dth & thickness							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
WEB FRAMES, In E. & B. Space, No. & spacing							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Do. br'dth & thickness							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
WEB FRAMES, In After Body, No. and spacing							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Do. br'dth & thickness							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
No. of Side Stringers							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
Size of Angles or Tee Bars to Web Frames							Do. Deck * Material and thickness											Do. Deck * Material and thickness						
BRACKET PLATES to Stringers between Web Frames, depth and thickness							Do. Deck * Material and thickness											Do. Deck * Material and thickness						

PLATING.										RIVETING.									
AS IN SHIP.										EDGES.									
PER RULE OR AS APPROVED.										BUTTS.									
STRAKES.										Ordinary or Joggled? ordinary									
AMIDSHIP.										RIVETS.									
AMIDSHIP.										STRAPS.									
AMIDSHIP.										IF LAPPED.									
Breadth.										Breadth.									
Thickness.										Thickness.									
FLAT PLATE KEEL	36	14	11	11	36	14	double	5 1/2	7/8	3 5/16	full	7/8	2 7/8	✓	✓	9	full		
(If Bar Keel, state Riveting)																			
GARBOARD OR A STRAKE	44	11	10	10	11		"	4 3/4	3/4	3 2/7	"	3/4	2 5/8			7 1/2	"		
State actual thickness in way of Double Bottom.																			
B		10	9	9	10		"	5 1/4	7/8	3 5/16	"	3/4	2 5/8			9	"		
C		10	9	9	10		"	"	"	"	"	7/8	3			"	"		
D		10	9	9	10		"	"	"	"	"	"	"			"	"		
E		10	9	9	10		"	"	"	"	"	"	"			"	"		
F		10	9	9	10		"	"	"	"	"	"	"			"	"		
G		10	9	9	10		"	"	"	"	"	"	"			"	"		
H		9	8	8	9		"	4 1/2	3/4	3 2/7	"	3/4	2 5/8			7 1/2	"		
J main	40	10	9	9	40	10	"	5 1/4	7/8	3 5/16	"	7/8	3			9	"		
K		10	9	9	10		"	"	"	"	"	"	"			"	"		
L, as	40	10	13	9	40	14	"	"	"	"	"	"	"			"	"		
M																			
N																			
O																			
P																			
Q																			
R																			
S																			
DOUBLING OF Flat Plate Keel																			
Length and thickness of Bilges																			
of Sheerstrakes																			
of Strake below																			
POOP SIDES		9 & 8			6 & 5		single	2 1/2	3/4	3 2/7	double	3/4	2 3/8			5			
BRIDGE SIDES						9 & 8	"	"	"	"	triple	"	"			7 1/2			
FORECASTLE SIDES							"	"	"	"	double	"	"			5			

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. *Plates: Bolchov Vaughan & Co. Ltd, Newark & Rlyods, Ltd, South Durham Steel & Iron Co., Girdlingmings-little Wazmark, Oberhaus in Angls, Built angles & Butts: The Lanarkshire Steel Co, Palmur Shipbuilding & Iron Co Ltd, Bannan Long & Co.*

Spar or Awning Butts, treble riveted for *full* length amidship.
 Stringer Plate Straps, single, double or overlapped for *full* length amidship.
 Main Stringer Butts, treble riveted for *full* length amidship.
 Plate Straps, single, double or overlapped for *full* length amidship.
 Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? *for full*
 Inner Bottom Plating, riveting of Edges *single* Butts *double & single*
 Centre Girder Butts, *triple* riveted Keelson Butts, *single* riveted.
 Frames, riveted through Plates with *3/4* in. Rivets, about *5* apart.
 Rivets, state whether Iron or Steel *iron*

FRAMES extend in one length from *margin plate* to *spar dk, ridge, forecastle & poop deck* state if ordinary or joggled? *ordinary*
 REVERSED FRAMES on floors and frames extend from *centre girder to margin plate* state if ordinary or joggled? *ordinary*

MASTS, SPARS, &c.												
DIAMETER AND THICKNESS.												
RIVETING.												
Material.												
Total Length												
At Partners.												
Heel.												
Hounds.												
Head.												
No. of Plates in round.												
Number.												
Size.												
Seams.												
Butts.												
LOWER MASTS	Fore	steel	62.5	18 x 7/20	15 x 7/20	✓	13 x 7/20	2	2	3 x 2 x 7/20	single	triple & double
	Main	"	56.0	18 x 7/20	15 x 7/20	✓	13 x 7/20	2	2	3 x 2 x 7/20		
Bowsprit												
Topmasts, Yards and Remainder of Spars												
Rigging, Material and Size, Shrouds		steel 3"										
Sails.		Suit of										

EQUIPMENT No. 21107, 70 LETTER 9										ANCHORS.									
Number of Certificate.										Description of Anchor.									
Anchors										Makers.									
Weight, Ex. Stock										Where and when tested and Superintendent.									
Weight of Stock																			
Test, per Certificate.																			
Weight Req. by Table 22.																			
3690	1st Bower	33	0	8	30	19	1	14	33	0	0	stockless	J. B. Homur Son	Bradley & Pat 30/3-08					
3491	2nd "	26	2	26	26	3	3	0	26	0	0	ordinary	"	Phos. St. Dudley					
3691	3rd "	30	0	0	28	12	2	0	28	0	0	stockless	"	24/2-08					
	Collective weight	89	3	6					92	0	0			30/3-08					
3570	Stream	8	2	4	2	0	24	10	8	2	0	ordinary	J. B. Homur Son	Bradley & Pat 11/3-08					
3571	Kedge	4	2	8	1	0	18	7	4	2	0		"	Phos. St. Dudley					

CHAIN CABLES.										HAWERS AND WARPS.																				
Number of Certificate.										Makers of Cables.																				
Length and Size supplied.										Where and when tested, and Superintendent.																				
Test per Certificate.										Material.																				
Sigue Break- ing.										Length and Size supplied.																				
Weight of Chain Cable.										Breaking Test of Steel Wire Towline.																				
Fathoms and Size per Table 22.										Fathoms and size per Table 22.																				
Description.										Length.																				
										Cir.																				
4307		240	1 1/16	5 1/4	7 1/4	357.1	24	344	2	22	240	1 1/16	5 1/4	7 1/4	357.1	24	344	2	22	240	1 1/16	5 1/4	7 1/4	357.1	24	344	2	22		
	Iron Stream	90	4						75	4																				

Boats *2 life boats 22'-7" x 7'-0" & 1 boat 19'-0" x 6'-0"*

Pumps, Number *one Dombon pump* Diameter of Barrel *5"* State whether they are in efficient working order *to be tested*

Windlass is *Capstan* ✓

Engine Room Skylights. - How constructed? *steel coaming with steel flaps.*

What arrangements for deadlights in bad weather? *heavy bulls eyes*

Coal Bunker Openings. - How constructed? *steel coamings* How are lids secured? *latched* Height above deck? *19"*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *12 scuppers 12 freeing ports each 30" x 19 1/2"*

Ceiling in Holds, thickness and material *under hatches 2 1/2" pine* Cargo Battens, thickness and material *2" pine*

Cargo Hatchways. - How formed? *steel coamings round corners.* Hatches, If strong and efficient? *yes 3" pine*

State size No. 1 Hatch (Forward) *19'-2" x 14'-0"* No. 2 Hatch *23'-0" x 14'-0"* No. 3 Hatch *19'-2" x 14'-0"* No. 4 Hatch *19'-2" x 14'-0"*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *No. 1, 3 & 4 hatches 1 shifting beam 3 fore & afters, no No. 2, 2 shifting beams & 3 fore & afters*

No. of Breasthooks *2* No. of Crutches *1*

Bulwarks, height above deck and description *4'6" steel plates* Main Rail and Stays, material and size *6" x 3" x 1/2" bull angle 6'6" built*

The above is a correct description. *Fevigs Jernskipsbyggeri* Surveyor's Signature *[Signature]* Surveyor to Lloyd's Register of British & Foreign Shipping.

Builder's Signature *[Signature]*

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

M 8/3, 30/5, 12/7, 8/11, -07, 11/1, 23/1, 25/2, 14/7-08

Workmanship. Are the butts of plating planed or otherwise fitted? *yes*

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? *just a few*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *yes*

Are all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *yes*

State results of tests *light*

Are all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *yes*

State results of tests *light*

General Remarks (State quality of workmanship, &c.)

This spar deck slab steamer has been built in accordance with approved plans and the Secretary letters amending these plans. The workmanship and materials throughout are of the best description and the steel materials have been manufactured at approved works and tested by the Society's Surveyor in accordance with the Rules.

The stern and rudder frames are of cast steel, manufactured by Thommums Varksted, Thommums, and have been tested in accordance with the Rules and found good.

The cellular double bottom has been tested with water pressure to the height of spar deck and peak tank to a height of 8 feet above top of tank and found tight. Fore peak has been filled with water to load line and found tight.

The weather decks have been tested with water from a hose and the

The Surveyor should state the Number of Report and Name of any Sister Vessel *no*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *15.33* ft., R.Q.D. or Break ft., Bridge Dk. *69.0* ft., F'castle *28.0* ft. (feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

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 would appear in the Register Book) *1 Dk (Pl) & Spar dk (Iron Pl)*

Official No. _____; Signal Letters *M, F, G, L*

How are the surfaces preserved from oxidation? Inside *cement & oil paint* Outside *oil paint*

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

Where fitted.	*Length.		Water Capacity.	Where fitted.	*Length.	
	Feet.	Tons.			Feet.	Tons.
Double bottom, aft,	<i>47.22</i>	<i>61</i>	Fore peak tank,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	After peak tank,	<i>11.5</i>	<i>25</i>	
Double bottom, if under Engines only,	<i>30.66</i>	<i>66</i>	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,	<i>109.25</i>	<i>200</i>	Other tanks, if fitted,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Total capacity		<i>327</i>	(If necessary, furnish further information by sketch.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

* 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

Special Survey No. _____	DATES of Surveys held while building	<i>16/8, 13/9, 14/9, 3/10, 25/10, 26/10, 25/11, 26/11, -07, 15/1, 16/1, 17/1, 18/2, 19/2, 5/3,</i>
Date <i>66</i> in builder's yard.		<i>6/3, 13/4, 14/4, 12/5, 13/5, 14/5, 20/5, 25/5, 29/5, 30/5, 8/7, 9/7, 10/7, 11/7, 13/7, 14/7, 15/7, 5/8 & 6/8-08</i>
		Total No. of Visits <i>33</i>

Amount of Entry Fee £ *4 : 0 : 0* Fees applied for, *8/8 1908*
 Special £ *62 : 2 : 6* Received by me, *25/9/08*
 Travelling Expenses, if any £ *20 : 5 : 0* *10/8 10/8*

Certificate to be sent to *Richardson, Wislgarth & Co.*

Whether the Vessel has been built under Special Survey *yes*
 In opinion this Vessel should be Classed *+ 100 A1 Spar dk*
 With, or without Freeboard, as condition of Class *with freeboard*

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

Committee's Minute

TUES. 29 SEP 1908

Character assigned

*100A1
Spar dk with fbd S. 3. 0*

*Lloyd's A+B. P + L.M.B. 9.08
Blec. list*



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Lloyd's Register Foundation

Cert's minus 1/100

0086 08 - 008617 - 0061 (2/2)

gutter ways flooded and found tight.

Remains to be done: Downson pump to be tested. Drainage pipes to be fitted to the holds, engine and boiler room bilges and dry tank under the boilers, all drainage pipes to be connected to the pumps, water tight door to be fitted to the tunnel mouth, tunnel to be tested with water⁺, engine and boiler casing to be riveted up after the installation of the machinery. Windlas and steam steering gear to be examined in position and electric light installation to be examined while at work.

+ Tunnel has been tested with water under the wood lining.



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