

1 or 2 Dks., R.Q.Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

No. **499**
MAR. 1898

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

Date of completion of Report **1/3 98**
Date, First Survey **26/4 97**

Received at London Office.

Port of **Ferig.**
Last Survey **18 97**
Rig **four mast schooner**

Master **H. Lindemann**

Year of appointment **18 97**

ONE OR TWO DECKED VESSEL.

CLASS **#100-A**

Half Breadth (moulded) **19' 0"**
Depth from upper part of Keel to top of Main Deck Bms. **19' 2 1/2"**
(with the normal round up of beam)

Girth of Half Midship Frame (as per Rule) **14' 6 1/2"**

1st Number **72.85**

Length on deck from after part of stem to fore part of stern post **265' 5 1/2"**

2nd Number **1934.67**

Proportions—Breadths to Length **7.02**

Depths to Length—Main Deck to top of Keel **13.77**

Destined Voyage **Middleborough** If Surveyed while Building, Afloat, or in Dry Dock **Yes**

Built at **Ferig**

When built **1897** Launched **30 Sept 1897**

By whom built **Ferig Jernskibsselskab**

Owners **Ragnars Atliarselskab**

Managers **Wulst & Amundsen**

Residence **Fredrikshald**

Port belonging to **Fredrikshald**

Survey held at **Ferig**
On the **5/5**
TONNAGE under Tonnage Deck **1326.76**
Do. of Poop **132.45**
Do. of Raised Deck **113.08**
Do. of Break **47.59**
Do. of Bridge House **192.75**
Do. of Forecastle **30.03**
Do. of Houses on Deck **13.28**
Do. of excess of Hatchways **1923.59**
Do. above Crown of Engine Room **56.30.5.32**
Gross Tonnage **1618.99.7.87**
Less Crew Space **1223.00**
Less above Crown of Engine Room **6.15.42**
Net Tonnage **87.71**
on Beam **1835.48**
FOR FEES **1220.06**

ine Room **6.15.42**
igation Spaces **87.71**
r Tonnage **1835.48**
on Beam **1220.06**

on Deck as	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with Flat laid
e.....	265'	6"	Moulded.....	38	0	Top of Floors to top of Main Deck Beams.....	19'	2 1/2"	one
ns of Ship per Register, Length,	267.1		breadth,	38-1"		depth,	16'-0"		No. of Tiers of Beams one
						Moulded Depth,	18	ft. 5 1/2 ins.	Round of Beam, Actual 9 1/4 ins.

FRAMING.						
	Inches in Ship	Inches in Ship.	20ths in Ship.	Inches per Rule Or a	Inches per Rule 20ths per Rule Approved.	
Angles, 1/2" Bars, for 1/2 length <i>about the</i>	5	3	8/20	5	3	8/20
at the ends <i>at the aft end</i>	5	3	7/20	5	3	7/20
way of Double Bottoms at Solid Floors..	3	3	7/20	3	3	7/20
" " <i>at intervals</i>	24			24		
of Frames from moulding edge to ing edge, all fore and aft	3	3	7/20	3	3	7/20
SED FRAME, Angles	3	3	7/20	3	3	7/20
FRAMING, depth of girder	3	3	7/20	3	3	7/20
depth and thickness of Floor Plate <i>at mid line for 1/2 length</i>	3	3	7/20	3	3	7/20
way of Engines and Boilers <i>cellular bottom, lat on tank</i>	3	3	7/20	3	3	7/20
thickness at the ends of vessel	3	3	7/20	3	3	7/20
pth at 1/2 the half breadth, as per Rule ..	3	3	7/20	3	3	7/20
ight extended at the Bilges	3	3	7/20	3	3	7/20
S & BRACKETS, in Cell Dble Bottoms	36	7/20		36	7/20	
" " Distance apart	24			24		
GIRDER, in Double Bottom, depth) and thickness	36	7/20	7/20	36	7/20	7/20
" " 2 Angles, Top	4	4	9/20			
" " Bottom	5 1/2	4	9/20			
RDERS, number on each side & thickness	one	7/20		one	7/20	
Angles	3	3	7/20	3	3	7/20
PLATE, depth (exclusive of flange) and thickness	22		8/20	22		8/20
Angles to Outside Plating	3 1/2	3 1/2	9/20			
BOTTOM PLATING, breadth and thickness of Middle Line Strake)	36	5/20	7/20			
" " thickness in Engine and Boiler space	8 1/2			8 1/2		
" " Remainder in Holds	7 1/2			7 1/2		
Main and Raised Quarter Deck,	6 1/2	3	9/20			
Angle, Bulb Angle, Plate or Tee Bulb)						
Angles on Upper Edge						
Average space	24			24		
Lower Deck, Single Angle, Bulb)						
Angle, Plate or Tee Bulb						
Angles on Upper Edge						
Average space						
Hold, Plate or Bulb	10		10/20			
Angles on Upper Edge	4	4	9/20			
Average space	8 1/2			8 1/2		
Poop Deck, Angle, Bulb Angle, Plate)	6	3	8/20			
Angles on Upper Edge						
Average space	48			48		
Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb)	5	3	7/20			
Angles on Upper Edge						
Average Space	24			24		
Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb						
Angles on Upper Edge						
Average space						
In 'tween Decks, Size and Spacing	25			25		
" " Hold	35			35		
Quarter, 'tween Dks., " " " "	35			35		
" " in Hold	35			35		
FRAMES, In Fore Body, No. and Spacing	one	10		one	10	
" " Brdth. & Thickness	20	7/20		20	7/20	
FRAMES, In E. & B. Space, No. & Spacing	20	7/20		20	7/20	
" " Brdth. & Thickness	20	7/20		20	7/20	
FRAMES, In After Body, No. and Spacing	20	7/20		20	7/20	
" " Brdth. & Thickness	20	7/20		20	7/20	
No. of Side Stringers	20			20		
Size of Angles or Tee Bars to Web Frames	20			20		
NET PLATES to Stringers between)	no			no		
FRAMES, Depth and Thickness	no			no		

FORGINGS AND CASTINGS.					
	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule Or a	Inches per Rule 20ths per Rule ved.
KEEL, Bar or Side Plates depth and thickness ..	Flat Keel			14' 20 x 36"	
STEM, moulding and thickness	9 x 2 1/2"				
STERN-POST for Rudder do. do.	9 x 5"				
" " " " for Propeller	9 x 5"				
MAIN PIECE of Rudder, diameter at head, ...	4"				
do. at heel	3 1/2"				
RUDDER, how constructed	forged from loose pieces				
Can the Rudder be unshipped afloat?	Yes				
KEELSONS AND STRINGERS.					
	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule Or a	Inches per Rule 20ths per Rule ved.
CENTRE LINE KEELSON, Vertical Plate above ..					
" " " " Floors, Through Plate, or Intercoastal Plate ..					
" " " " Rider Plate					
" " " " Bulb Plate to Intercoastal Keelson					
" " " " Horizontal Plates on Floors					
" " " " Angles					
SIDE KEELSON, Angles	8	4	9/20		9/20
" " " " Bulb or Plate above floors for	from E. Bulbhead to after end				
" " " " Intercoastal Plate for	from E. Bulbhead to fore end				
" " " " Attached to outside plating with Angle ..	plate 20 x 7/20 x 4 angles 5 1/2 x 9/20				
BILGE KEELSON, Angles	one 1 3/4 x 3 1/2 3/4 x 3/4 at each				
" " " " Bulb or Plate above floors for	to the outside plating from fore				
" " " " Intercoastal Plate for	to after end where Bulbhead is				
" " " " Attached to outside plating with Angle ..	8 x 4 plates 13 x 9/20 to 7/20				
BILGE STRINGER Angles	2 1/2 x 1/2 length of				
" " " " Bulb Plate for	5 1/2 x 4 1/2 to 7/20				
" " " " Intercoastal Plate for	9 x 9/20				
" " " " Attached to outside plating with Angle ..	Bilge stringer 20 x 7/20 from				
SIDE STRINGER Angles	E. Bulbhead to fore end 2 1/2				
" " " " Bulb or Intercoastal Plate for	4 x 5 1/2 x 9/20 to 7/20 x one angle				
" " " " Attached to outside plating with Angle ..	attached 3 1/2 x 3 1/2 7/20 to 7/20				
Main and Raised Quarter Deck Stringer	38 x 7/20 in 1/2 L. to 3/4				
" " " " Plate, breadth and thickness	3/20 at the end 4 x 4 1/2 to 7/20				
" " " " Angle on ditto	4 x 4 1/2 to 7/20				
" " " " Tie Plates fore & aft, outside Hatchways ..	Main deck stringer continuous				
" " " " Diagonal Tie Plates on Bms, No. of Pairs ..	11 frame spaces in After body				
" " " " Main Dk* Iron or Steel for whole lng. ..	7/20 to 7/20				
" " " " R. Q. Dk* Iron or Steel for whole lng. ..	7/16 to 7/16				
" " " " Wood Deck, Material & thickness	no wood deck				
Lower Deck Stringer Plate, breadth and thickness ..	R. Q. D. stringer continuous				
" " " " Angles on ditto, No.	4 frame spaces in the Bridge				
" " " " Tie Plates, outside Hatchways					
" " " " Deck* Material and thickness					
Hold Stringer Plate	34 x 7/20 to 20 x 7/20 double in over				
" " " " Angles on ditto, No.	4 x 4 1/2 to 7/20 2 frame spaces				
Poop Deck Stringer Plate, breadth & thickness ..	3 1/2 x 3 1/2 to 7/20 with 7/20 plate				
" " " " Angle on ditto	18 x 9/20 3 1/2 x 3 1/2 to 7/20				
" " " " Tie Plates	2 1/2 wood deck				
Deck, Material and thickness	38 x 9/20 to 20 x 7/20				
Deck Stringer Plate, brdth & thickness	4 x 4 x 7/20 to 7/20				
" " " " Angle on ditto					
" " " " Tie Plates	5 1/6				
Deck, Material and thickness					
Forecastle Deck Stringer Plate, brdth & thickness ..					
" " " " Angle on ditto					
" " " " Tie Plates					
Deck, Material and thickness					

BULKHEADS.		STIFFENERS.		Single or Double Frames.		Height up.	
In Vessel.	Per Rule.	Thickness.	Horizontal.	Vertical.	Horizontal.	Vertical.	Horizontal.
W.T. BULKHEADS	4	4	4/20	5 x 3 1/2	48	53 x 7/20	36
PARTITION							
LONGITUDINAL							
Are the outside Plates doubled two spaces of Frames in length? ..	Yes						
Are the Sluice Valves and Watertight Doors in efficient working order? ..	Yes						

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. RIVETING. EDGES. BUTTS. Includes tables for dimensions of strakes, edges, and butts, with handwritten entries for various ship components like keels, bilges, and stringers.

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, outside Plating, &c. Includes handwritten details of the manufacturer and material specifications.

MASTS, SPARS, &c. Includes tables for mast and spar dimensions, material, and rigging details, with handwritten entries for lower masts, bowsprit, and spars.

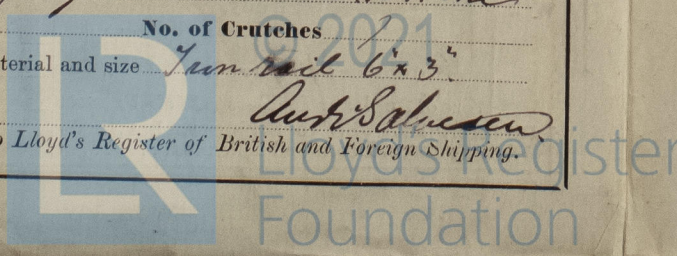
EQUIPMENT No. 2175938 LETTER n. TONNAGE FOR TRAWLERS U.Dk. ANCHORS. Includes tables for anchor specifications, weight, and test results, with handwritten entries for various anchor types.

CHAIN CABLES. HAWSERS AND WARPS. Includes tables for chain cable and hawser specifications, weight, and test results, with handwritten entries for various cable types.

Boats, Pumps, Number, Windlass, Engine Room Skylights, Coal Bunker Openings, Number of Scuppers, Ceiling in Holds, Cargo Hatchways, State size No. 1 Hatch, Number of Web Plates, Bulwarks, The above is a correct description, Builder's Signature, Surveyor's Signature. Includes various handwritten details and signatures for the vessel's equipment and certification.

Form No. 1A.

Rec: 18th May 1900



Correspondence.—State dates and initials of letters respecting this case (Reference should be made to 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*

to plate, &c., conform well to each other? *yes*

from the faying surfaces? *yes*

Do any rivets break into or through the seams or butts of the plating? *very 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*

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

State results of tests *found tight*

State results of tests *found tight*

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

The S/S "Pagnar" is an Awngdick vessel with R. Q. D. The vessel is built in accordance with approved plans. In my opinion the workmanship is good and materials used are of good quality. The S/S "Pagnar" has got a good & complete outfit. It is my opinion this day 8th of December 1897. in a good condition.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *22* ft., R.Q.D. or Break *42* ft., Bridge Dk. *17* ft., F'castle ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. 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) *one deck (steel deck) one tier of beams*

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside *primed & Bottom with Portland Cement* Outside *painted*

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>78</i>	<i>140</i>	Fore peak tank,	<i>no tank</i>	
Double bottom, under Engines and Boilers, ✓			After peak tank,	<i>14'0</i>	<i>40</i>
Double bottom, if under Engines only,	<i>20'0</i>	<i>45</i>	Midship deep tank,		
Double bottom, if under Boilers only, ✓			Other tanks, if fitted,		
Double bottom, forward,	<i>60 & 44</i>	<i>140 & 100</i>			

* The wells are not to be included in the lengths of the tanks.

(If necessary, furnish further information by sketch.)

State whether the above have been tested as required by the Rules *yes*

Order for Special Survey No.

Date

No. *18* in builder's yard.

DATES OF SURVEYS
held while building

26/4, 27/4, 28/4, 11/6, 12/6, 14/6, 15/6, 5/8, 6/8, 7/8, 9/8, 4/11, 5/11, 6/11, 8/11, 8/12.

Total No. of Visits *16*

The amount of Entry Fee £ *4.0.0.*

Special £ *73.1.0.*

Certificate* £ : :

Travelling Expenses, if any £ *35.0.0.*

Fees applied for,

16/2 18 98 £ *112.1.0.*

Received by me,

1/3 18 98

* Certificate to be sent to *Surveyors Bergen*

State whether the Vessel has been built under Special Survey *yes*

I am of opinion this Vessel should be Classed **100 A1 pt Awng'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. 15 MAR 1898

Character assigned

Provisional Cert on hull to be granted as per Rules page 39

TUES. 10 MAY 1898

100 A1 (steel) 14.98 on 11th 12/13/97

pt. awng'dk with fbd 5.1.5.1/2 + Lm 64.98
100 A1 (pt. steel) deep framing forward
hold beams aft & pt. awng'dk (Lm)
as b. p.

Hull Certificate.
Written.

Lloyd's Register
Foundation