

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

IRON OR STEEL STEAMER.

No. 802

Survey held at *Bergin*
On the *Steel Steamer "Skulda"*

Received at London Office, **10th. 22 FEB 1910**

Date of completion of Report *February 1910*

Port of *Bergin*
Last Survey *February 15th 1910*

Survey held at *Bergin*
On the *Steel Steamer "Skulda"*

ONE ~~DECKED~~ VESSEL.

Master *Martinusm*

CLASS *100A1*
Contemplated

Year of appointment *1910*

Do. of Poop *4.24*
Do. of Bridge House *30.14*
Do. of Forecastle *45.71*

Half Breadth (moulded) *14.5*
Depth from upper part of Keel to top of Main Deck Bms. *19.562*

Built at *Bergin*
When built *1910* Launched *January 13th*

on Deck *28.74*
of Hatchways *9.48*
town of *1105.02*
nage *55.44*
pace *353.61*
rown of *22.99*
oms. *12.08*
on Spaces *6.33*
onage *648.09*

Girth of Half Midship Frame (as per Rule) *32.145*
1st Number *67.208*

By whom built *Bergins Mkt. Varkstad*

Room *12.08*
on Spaces *6.33*
onage *648.09*

Length on deck from after part of stem to fore part of stern post *224.45*
2nd Number *15307.81*

Owners *William Hansm*

Managers *William Hansm*
(Where necessary to be entered in Reg. Book.)

Residence *Bergin*

Port belonging to *Bergin*

Proportions—Breadths to Length *6.5*
Depths to Length—Main Deck to top of Keel *12.96*

Destined Voyage *Glyth* If Surveyed while Building, *Yrs*

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with Flat land
224	9	Moulded	35	0	Top of Floors to top of Main Deck Beams	14	4 3/4	One
Ship per Register, Length, 229.0 breadth, 35.1 depth, 15.8 Moulded Depth, 16 ft. 10 ins. Round of Beam, Actual 8 3/4 ins.								

FRAMING.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule or as Approved.	Inches per Rule or as Approved.	20ths per Rule or as Approved.
L Bars, for 1/2 length	6 1/2	3	9-8	6 1/2	3	9-8
at each end	5 1/2	3	7	5 1/2	3	7
of Double Bottoms at Solid Floors.	3	3	7	3	3	7
at intermdt. Bkts.	4	3	7	4	3	7
frames from centre to centre	23			23		
FRAME, Angles L. Bkts. space	7	3	9	7	3	9
MING, depth of girder						
depth and thickness of Floor Plate						
mid-line for 1/2 length amidships	21	x	10	20 1/2	x	10
of Engines and Boilers						
at the ends of vessel						
at 1/2 the half breadth, as per Rule						
extended at the Bilges						
RACKETS, in Cell Dble Bottoms						
state if flanged						
Spacing						
RDER, in Double Bottom, depth	35	x	9-8	34	x	9-8
thickness	3	3	8	3	3	8
Angles, Top	4	4	9-8	4	4	9-8
Bottom						
ERS, number on each side & thickness						
state if flanged						
ATE, depth (exclusive of flange)	24	x	7	24	x	7
thickness	3 1/2	3 1/2	7	3 1/2	3 1/2	7
les to Outside Plating	3	3	7	3	3	7
Floors						
ht of Floors at the Bilges						
OM PLATING, breadth and	42	x	8-7	34	x	8-7
ickness of Middle Line Strake						
ickness in Engine space						
Remainder in Holds						
on Deck	6	3	9x8	6	3	8
Bulb Angle, <i>Half Beam</i>	5 1/2	3	8	5 1/2	3	8
er Deck, Single Angle, Bulb						
e, Plate or Tee Bulb						
es on Upper Edge						
ng						
Plate or Tee Bulb						
les on Upper Edge						
ng						
Deck, Angle, <i>Half Beam</i>	4 1/2	3	6	4 1/2	3	6
es on Upper Edge						
ng						
re Deck , Angle, <i>Half Beam</i>	5 1/2	3	7	5 1/2	3	7
Angle Plate, or Tee Bulb						
on Upper Edge						
ng						
Castle Deck, <i>Half Beam</i> , Bulb Angle,	4 1/2	3	9	4 1/2	3	9
on Upper Edge						
ng						
g						
etween Decks, Size and Spacing						
Hold <i>23" b 46"</i>						
rtter, 'tween Dks.,						
in Hold						
In Fore Body, No. and Spacing						
" " Brdth. & Thickness						
Side Stringers						
In E. & B. Space, No. & Spacing						
" " " 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 AND CASTINGS.	Inches in Ship.	Inches per Rule.
KEEL, Bar or Side Plates depth and thickness	4 1/2 x 2 3/8	4 1/4 x 2 1/8
STEM, moulding and thickness	4 1/2 x 5	4 1/4 x 5
STERN-POST for Rudder do. do. <i>Cast Steel</i>	6 1/4	6 1/4
for Propeller	5	4 3/4
MAIN PIECE of Rudder, diameter at head		
do. at heel		
RUDDER, how constructed <i>single plate 12" with fitted pintles 3 1/4" d.</i>		
Can the Rudder be unshipped afloat? <i>Yrs</i>		
KEELSONS AND STRINGERS.	Inches in Ship.	Inches per Rule.
CENTRE LINE KEELSON, <i>Through Plate, Intercoastal Plate</i>	32 1/2 x 10	32 x 10
" Rider Plate	10 7/8 x 10	10 1/2 x 10
" Bulb Plate to Intercoastal Keelson	12 1/4 x 10	12 x 10
" Horizontal Plates on Floors	5 x 9	5 x 9
" Angles	5 x 9	5 x 9
SIDE KEELSON, Angles	5 x 9	5 x 9
" Bulb or Plate above floors for lng.		
" Intercoastal Plate for <i>whole S.S. length</i>	3 x 7	3 x 7
" Attached to outside plating with Angle		
BILGE KEELSON, Angles		
" Bulb or Plate above floors for lng.		
" Intercoastal Plate for length		
" Attached to outside plating with Angle		
BILGE STRINGER Angles		
" Bulb Plate for length		
" Intercoastal Plate for length		
Two OFF Attached to outside plating with Angle		
(SIDE STRINGER Angles	5 1/2 x 9-8	5 1/2 x 9-8
" Intercoastal Plate for <i>whole lng.</i>	10 x 7-6	10 x 7-6
" Attached to outside plating with Angle	3 x 7	3 x 7-6
Main and Deck Stringer	33 x 10-8	33 x 10-8
Plate, breadth and thickness	4 1/2 x 4 1/2	4 1/2 x 4 1/2
" Angle on ditto		
" Tie Plates, outside Hatchways		
" Diagonal Tie Plates on Bms., No. of Pairs		
" Main Dk* Steel for <i>whole lng.</i>	8-6	8-6
" R. Q. Dk* Iron or Steel for lng.		
" Wood Deck, Material & thickness		
Stringer Plate, breadth, and thickness <i>at ends of bridge</i>	33 x 13	33 x 13
" Angles on ditto, No.		
" Tie Plates, outside Hatchways		
" Deck* Material and thickness		
Hold Stringer Plate		
" Angles on ditto, No.		
Poop Deck Stringer Plate, breadth & thickness	3 x 3 x 6	3 x 3 x 6
" Angle on ditto		
" Tie Plates		
" Deck, Material and thickness <i>Steel</i>		
Bridge Stringer Deck Stringer Plate, breadth and thickness	46 x 7	46 x 7
" Angle on ditto	4 1/2 x 4 1/2	4 1/2 x 4 1/2
" Tie Plates		
" Deck, Material and thickness <i>Steel</i>		
Forecastle Deck Stringer Plate, brdth & thcknss	22 1/2 x 7	19 x 7
" Angle on ditto	3 x 3 x 7	3 x 3 x 6
" 2 Plates <i>48 x 7/8 in. middle line</i>		
" Deck, Material and thickness <i>Wood</i>		

BULKHEADS.	Number.	Thickness.	STIFFENERS.	Single	Height up.
In Vessel	Per Rule.	Size.	Spacing.	Frames.	
W.T. BULKHEADS	4	4	6	none	4 x 3 x 9.30
PARTITION	none				
LONGITUDINAL,	none				
Are the outside Plates doubled two spaces of Frames in length? <i>Yrs</i>					
IS Watertight Watertight Doors in efficient working order? <i>Yrs</i>					

PLATING.

STRAKES.	AS IN SHIP.			PER RULE OR AS APPROVED.		EDGES.		BUTTS.		IF LAPPED.
	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	FORWARD.	Single or Double.	Breadth of Lap.	Double or Treble and for what Length.	Single or Double.	
FLAT PLATE KEEL	36	14	11	36	14-11	Double	6	1 3/4	19	16
GARBOARD OF A STRAKE	43	11	10	43	11-10	Double	5 1/2	3/8	9	9
B	9	9	8	9	8	Double	4 3/4	3/8	8	8
C	10	10	8	10	8	Double	5 1/4	3/8	9	9
D	9	8	8	9	8	Double	5	3/8	12-9	9
E	10	9	8	10	8	Double	5 1/4	3/8	12-9	9
F	9	8	8	9	8	Double	5	3/8	11-8	9
G	10	10	8	10	8	Double	5 1/4	3/8	9	9
H	10	8	8	10	8	Double	5 1/4	3/8	9	9
J	11	9	9	11	9	Double	5 1/2	3/8	9	9
Shun	13			13						
M										
N										
O										
P										
DOUBLING OF FLAT PLATE KEEL										
Length and thickness of Strakes	18'-0" x 9/16" full width									
POOP SIDES						Single	2 1/4	5/8	3	4 3/4
RAISED QUARTER DECK SIDES						Double	5	3/4	3 1/4	8 1/2
BRIDGE SIDES						Double	5	3/4	3 1/4	8 1/2
FORECASTLE SIDES						Single	2 1/4	5/8	3	4 3/4
LENGTHS OF PLATING	Sum to run spaces									

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. *Consolidated Iron Works, Ltd., Birmingham*

Main Stringer Plate Butts, treble riveted for *one half* length amidship. Straps, *single* overlapped for *whole* length amidship.

Butts of *Side Stringers*, and Tie Plates, treble *single* riveted? *Yes*

Inner Bottom Plating, riveting of Edges *Single* Butts *Single*

Centre Girder Butts, *Double* riveted. Keelson Butts, *Double* riveted.

Frames, riveted through Plates with *7/8* in. Rivets, about *5 1/2-6* apart.

Rivets, state whether of *Steel* *Yes*

FRAMES extend in one length from *margin plates* to *margin plates* state if ordinary *Yes*

REVERSED FRAMES on floors and frames extend from *margin plates* to *margin plates* state if ordinary *Yes*

MASTS, SPARS, &c.

LOWER MASTS...	Material.	Total length.	DIAMETER AND THICKNESS.		No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.		Heads.	Number.	Size.	Seams.
Fore	Steel	60'-5"	18"x7"	14"x6"	2	None	None	Single	Double
Main	Steel	55'-0"	18"x7"	14"x6"	2	None	None	Single	Double
Mizen									

Bowsprit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds *3 Stul wire* Stays *3 1/2 x 3 Stul wire*

Sails. *me* Suit of *fore & afters* Sails and the following spare sails

Equipment No. *16593* Letter *W*

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX STOCK.			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.				
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.							
63067	1st Bower	24	0	14	26	9	1	14	26	2	0	Shackles	Nicholson	13th 09
63068	2nd "	20	3	19	26	7	2	0	25	2	0	Shackles	Nicholson	13th 09
63190	3rd "	23	1	6	23	8	0	14	22	0	0	Shackles	Nicholson	13th 09
	Collective weight	77	1	11	73	0	0							
6204	Stream	6	2	0	1	2	18	8	15	0	0	Shackles	Nicholson	13th 09
6205	Kedge	3	2	0	3	14	5	18	3	0	3 1/2	Shackles	Nicholson	13th 09

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.	Description.	Makers of Cables.	Where and when tested and Superintendent.
			Supplied.	Per Table 22.				
36850	210 1/2	40 1/2	58 1/4	3 1/4	210 1/2	1 1/2	Shackles	Nicholson

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.	Test per Certificate.	Length & Size per Table 22.	Description.	Makers of Cables.	Where and when tested and Superintendent.

Boats *2 life boats 22'-0" x 6'-9" x 3'-0"*, one gig & one gawl

Pumps, Number *1* *Downen on main deck* Diameter of Barrel *5* State whether they are in efficient working order *Efficient*

Windlass is *Chalmers Chapman's patent* made by *Ward* Capstan *none*

Engine Room Skylights.—How constructed? *Brick with shut skylight on top provided with hinged shutters & lull's eyes*

What arrangements for deadlights in bad weather? *Clear for tarpaulins*

Coal Bunker Openings.—How constructed? *Ordinary hatchways* How are lids secured? *Ordinary hatch bars* Height above deck? *18"*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *3 scuppers & 3 freeing ports each side forward & after deck 31" x 23"*

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

Cargo Hatchways.—How formed? *Ordinary hatchways* Hatches.—If strong and efficient? *Yes*

State size No. 1 Hatch (Forward) *17'-3" x 15'-0"* No. 2 Hatch *21'-1" x 15'-0"* No. 3 Hatch *21'-1" x 15'-0"* No. 4 Hatch *14'-3" x 15'-0"*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *11 x 4 have one web plate each, No. 2 & 3, 2 web plates each & 3 fore & afters to each hatch*

Bulwarks, height above deck and description *4'-6" x 3'-0" Stul plates* Main Rail and Stays, material and size *Stul, 6 1/2" x 3'-0"*

The above is a correct description.

Builder's Signature *NS BERGENS MEKANISKE VERKSTED* Surveyor's Signature *S. H. Bide*

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

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) *June 24, 30, July 20, 28, August 18, 1909.*

Workmanship. Are the butts of plating planed or otherwise fitted? *shared & 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. 23, par 24)? *Yes* State results of tests *Satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 23, par 25)? *None* State results of tests

General Remarks (State quality of workmanship, &c.) *This vessel has been built in accordance with the approved plans & otherwise in conformity with the Society's Rules. The material used has been tested by the Society's Surveyors in accordance with the Rules. The scantlings have been verified throughout by actual measurement during the progress of the work, and the riveting tested and found sound & good. The workmanship is throughout good & satisfactory. The vessel is well equipped and in my opinion in good & efficient condition, eligible to be classed *100 A1. Subject to a lower anchor of 25 cwt, being placed aboard in place of the one broken just before the vessel sailed from this port. It has been arranged to place the new lower anchor aboard at Blyth where she has sailed.*

The Surveyor should state the Number of Report and Name of any Sister Vessel. *515 "Rising" 490*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *10'-3 1/2"*, R.Q.D. or Break *ft.*, Bridge Dk *62'-4"*, F'castle *25'-5"* (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 (*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, Stul, unsecured, one tier of beams & deep framing*

Official No. *159*; Signal Letters *M. F. W. C.* State if Machinery is fitted *At Amidships*

How are the surfaces preserved from oxidation? *Inside Ordinary paint, Bitumastic in bunkers under bottom, painted in way of double bottom & bilges.* Outside *Ordinary 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.	Water Capacity.	Where fitted.	Length.	Water Capacity.
Double bottom, aft.	61.4	95	Fore peak tank,	17.	44
Double bottom, under Engines and Boilers,			After peak tank,	11.5	29.45
Double bottom, if under Engines only,			Deep tank, aft.		
Double bottom, if under Boilers only,			Deep tank, forward		
Double bottom, forward,	94.	134.5	Other tanks, if fitted,		

Total capacity of double bottom *229.5* (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 *Tested & good*

Order for Special Survey No. *4*

Date *June 19, 09*

No. *159* in builder's yard

DATES OF SURVEYS held while building

Aug. 3 & 19, Sept. 6, 9, 14, 18, 22, 25, Oct. 2, 4, 6, 13, 19, 20, 23, 26, 29, Nov. 1, 3, 5, 11, 12, 13, 18, 19, 20, 23, 26, 29, Dec. 1, 2, 3, 13, 14, 15, 16, 17, 18, 20, 23, 24, Jan. 1, 7, 8, 10, 11, 12, 13, 14, 15, 17, 21, 24, 25, 27, 28, 29, Feb. 3, 4, 5, 7, 8, 10, 11, 12, 14 & 15

Total No. of Visits *67*

The amount of Entry Fee *£ 4 : 0 : 0* Fees applied for, *February 16, 1910*

Special *£ 52 : 12 : 6* Received by me, *Feb. 16, 1910*

Travelling Expenses, if any *£ 5 : 2 : 0*

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

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

With, or without Freeboard, as condition of Class *Without Freeboard*

Committee's Minute *TUES. 8 MAR 1910*

Character assigned *100 A1*

Lloyd's Reg. Co. + Lm 6210

Surveyor to Lloyd's Register of British and Foreign Shipping *S. H. Bide*