



National Research  
Council  
Canada

Conseil National de  
Recherches  
Canada

Institute for Ocean  
Technology

Institut des Technologies  
Océaniques

## Ship-Iceberg Collision Incident Report



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### Vessel Characteristics

<b>Name:</b> Thingvalla	<b>Prime Mover:</b> Steam
<b>Flag:</b> Denmark	<b>Transmission:</b> Unknown
<b>ASPPR Ice Class:</b> Unknown	<b>Power (kW):</b>
<b>Lloyd's Class:</b> Unknown	<b># Propellers:</b> 1
<b>Baltic Class:</b> Unknown	<b>Prop. Type:</b> Unknown
<b>Vessel Type:</b> Passenger / Cargo	<b>Service Speed:</b> 10
<b>Owner:</b> Thingvalla Line	<b>Stern Form:</b>
<b>Registered Country:</b> Denmark	<b>Steel Grade:</b> Unknown
<b>Year of Manufacture:</b> 1874	<b>Miscellaneous Vessel Notes:</b>
<b>Bow Shape:</b> Unknown	Built by Burmeister & Wain, Cph. Originally rigged as a barque. 1903 stranded, sold and scrapped.
<b>Stem Angle:</b>	
<b>Dimensions (m):</b>	
<b>Length:</b> 91.7	<b>Mass (tonnes):</b>
<b>Beam:</b> 11.3	<b>Gross:</b> 2524
<b>Depth:</b>	<b>Net:</b>
	<b>Dead:</b>

### Collision Details

<b>Date:</b> 19-May-1890	<b>Air Temperature:</b>
<b>Visibility (nautical miles):</b>	<b>Water Temperature:</b>
<b>Visibility:</b> Poor	<b>Wind Speed:</b>
<b>Visibility - Fog:</b> Unknown	<b>Wave Height:</b>
<b>Visibility - Snow:</b> Unknown	<b>Sea State:</b> Unknown
<b>Visibility - Light:</b> Low light	
<b>Collision Speed:</b> 5	
Kerwin Place	Place Kerwin
P.O. Box 12093	C.P. 12093
St. John's, Newfoundland	St. John's, Terre-Neuve
A1B 3T5	A1B 3T5
Fax:(709) 772-2462	Télécopieur:(709) 772-2462



## Damage Details

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<b>Damage Sustained:</b> Yes	<b>Damage Report No. :</b>
<b>Scenario:</b> Direct Impact	<b>Steel Failure Type:</b> Unknown
<b>Severity:</b> Crushed	<b>Size - Length (m):</b>
<b>Location:</b> Bow	<b>Size - Height (m):</b>
<b>Code:</b> Hole	<b>Damage Below WL (m):</b>
<b>Length of Downtime:</b>	<b>Damage Above WL - Height (m):</b>
<b>Cost of Downtime:</b>	<b>Damage Above WL - Length (m):</b>
<b>Cost to Repair:</b>	
<b>No. Lives Lost:</b>	
<b>No. Injuries:</b>	<b>Cause of Deaths/Injuries:</b> Unknown
<b>Cargo Loss:</b> Unknown	
<b>Pollution:</b> Unknown	<b>Pollution Potential:</b> Unknown

### Cause of Damage:

Collided with an iceberg 20' (6 m) high (or 40', 12 m high) and 1000' (305 m) long head on at 5 kts. at 5:15 a.m. (or 3:15 a.m.) in thick weather 400 miles E of St. John's. Vessel took short cut through iceberg belt because of heavy weather. Iceberg was hiding under a bank of fog and helm put hard over but too late.

### Damage Description:

Vessel struck underneath a projecting ledge in the middle of the iceberg shaking ship from stem to stern and ship was showered in 30 tons of ice a piece of which struck the look out, knocking him down though apparently without injury. Stem torn away to a point within a couple of feet of the water mark, The first bulkhead was aft of the forecastle and waves were dashing through the torn gap and into the forward compartment. About 2' of water in forecastle. Bow boarded up and secured with quick setting concrete and

## Ice Details

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**Ice Briefing Received:** Unknown

**Iceberg Population:**

**IIP Iceberg Number:**

**Sea Ice Concentration:**

**Position of Nearest Known Iceberg:**

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**Iceberg Shape:** Tabular

**Latitude:** 0 ° ' " N

**Iceberg Size:** Large

**Longitude:** 0 ° ' " W

**Length:** 305

**Date of Observation:**

**Width:**

**Iceberg Tonnage:**

## Route Details

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**Geographic Area:** Grand Banks

**Origin:** Copenhagen - Christiana

**Collision Latitude:** 47 ° 10 ' " N

**Destination:** New York

**Collision Longitude:** 042 ° 30 ' " W

**Distance:**

**Locale Accuracy:** Known

**Cargo at Event:**

**Voyage:**

**Displacement:**

**Draft FWD (m):**

**Captain's Experience:** Unknown

**Radar Equipped?:** Unknown

**Radar Details:**

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