



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> Hurworth	<b>Prime Mover:</b> Steam
<b>Flag:</b>	<b>Transmission:</b> Unknown
<b>ASPPR Ice Class:</b> Unknown	<b>Power (kW):</b> 119
<b>Lloyd's Class:</b> 1A	<b># Propellers:</b>
<b>Baltic Class:</b> Unknown	<b>Prop. Type:</b> Unknown
<b>Vessel Type:</b> Steamship	<b>Service Speed:</b>
<b>Owner:</b> T.H. Davison	<b>Stern Form:</b>
<b>Registered Country:</b> United Kingdom	<b>Steel Grade:</b> Unknown
<b>Year of Manufacture:</b> 1878	<b>Miscellaneous Vessel Notes:</b>
<b>Bow Shape:</b> Unknown	Screw schooner.
<b>Stem Angle:</b>	
<b>Dimensions (m):</b>	<b>Mass (tonnes):</b>
<b>Length:</b> 84	<b>Gross:</b> 1937
<b>Beam:</b> 10.4	<b>Net:</b> 1265
<b>Depth:</b> 7.3	<b>Dead:</b> 1751

### Collision Details

<b>Date:</b> 29-Aug-1880	<b>Air Temperature:</b>
<b>Visibility (nautical miles):</b>	<b>Water Temperature:</b>
<b>Visibility:</b> Limited	<b>Wind Speed:</b>
<b>Visibility - Fog:</b> Clear	<b>Wave Height:</b>
<b>Visibility - Snow:</b> Clear	<b>Sea State:</b> Unknown
<b>Visibility - Light:</b> Night	

**Collision Speed:**

Kerwin Place  
P.O. Box 12093  
St. John's, Newfoundland  
A1B 3T5  
Fax:(709) 772-2462

Place Kerwin  
C.P. 12093  
St. John's, Terre-Neuve  
A1B 3T5  
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> Plate	<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> 6
<b>Cost to Repair:</b>	
<b>No. Lives Lost:</b> 1	
<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:

Hit a huge berg in the Strait of Belle Isle in a clear and starlit night. Believed it to be part of the overhanging clouds.

### Damage Description:

Bow badly smashed and breaking stem with a hole 20' (~6 m) wide. Tons of ice fell from the berg onto the forepart of the ship which lifted the stern high above water and threatened to pitch her. Two men were thrown into the water on impact. One was never seen again and the other was rescued half an hour later clinging on to a water barrel. Two days were required repairing the vessel before it could proceed. Arrived Montreal September 5.

## 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:** Unknown

**Latitude:** 0 ° ' " N

**Iceberg Size:** Large

**Longitude:** 0 ° ' " W

**Length:**

**Date of Observation:**

**Width:**

**Iceberg Tonnage:**

## Route Details

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**Geographic Area:** Strait of Belle Isle and

**Origin:** Barrow, UK

**Collision Latitude:** 52 ° 00 ' " N

**Destination:** Montreal

**Collision Longitude:** 055 ° 30 ' " W

**Distance:**

**Locale Accuracy:** Estimated

**Cargo at Event:** 2000 steel rails

**Voyage:**

**Displacement:**

**Draft FWD (m):**

**Captain's Experience:** Unknown

**Radar Equipped?:** Unknown

**Radar Details:**

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