



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> Challenge                    | <b>Prime Mover:</b> Sail           |
| <b>Flag:</b>                              | <b>Transmission:</b> Unknown       |
| <b>ASPPR Ice Class:</b> Unknown           | <b>Power (kW):</b>                 |
| <b>Lloyd's Class:</b> Unknown             | <b># Propellers:</b>               |
| <b>Baltic Class:</b> Unknown              | <b>Prop. Type:</b> Unknown         |
| <b>Vessel Type:</b> Sailing Vessel        | <b>Service Speed:</b>              |
| <b>Owner:</b> G. Adams & Company          | <b>Stern Form:</b>                 |
| <b>Registered Country:</b> United Kingdom | <b>Steel Grade:</b> Unknown        |
| <b>Year of Manufacture:</b> 1863          | <b>Miscellaneous Vessel Notes:</b> |

**Bow Shape:** Unknown  
**Stem Angle:**

Schooner. Listed in Lloyd's Register as a bark.

| <u>Dimensions (m):</u> |      | <u>Mass (tonnes):</u> |      |
|------------------------|------|-----------------------|------|
| <b>Length:</b>         | 60.1 | <b>Gross:</b>         | 1304 |
| <b>Beam:</b>           | 10.8 | <b>Net:</b>           | 1256 |
| <b>Depth:</b>          | 7.2  | <b>Dead:</b>          | 1162 |

### Collision Details

|                                     |                           |
|-------------------------------------|---------------------------|
| <b>Date:</b> 30-Jun-1880            | <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> Thick fog  | <b>Wave Height:</b>       |
| <b>Visibility - Snow:</b> Unknown   | <b>Sea State:</b> Unknown |
| <b>Visibility - Light:</b> Night    |                           |
| <b>Collision Speed:</b> 4           |                           |

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## 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> Appendage         | <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:

Twillingate Sun: "The schooner Challenge, Captain DINGLE, from Bristol to Messrs. OWEN & EARLE, arrived here on Friday past, in a disabled condition. The Captain states that on Wednesday, the 30th. June, it was densely foggy, and at 11 pm., while near Little Fogo Island, bearing W. by N., about 30 miles, the Challenge struck an iceberg.."

### Damage Description:

".. whereby considerable damage was sustained. Her jib - boom was carried away, unshipped bow sprit, and lost night heads, pall and windlass bits and box, spritsail yard, figure head and fore companion. It was fortunate that the ship was going at a slow rate at the time, otherwise much greater damage would in all probability have resulted."

## 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:** Unknown

**Longitude:** 0 ° ' " W

**Length:**

**Date of Observation:**

**Width:**

**Iceberg Tonnage:**

## Route Details

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**Geographic Area:** Grand Banks

**Origin:** Bristol

**Collision Latitude:** 49 ° 38 ' " N

**Destination:** Twillingate

**Collision Longitude:** 053 ° 24 ' " W

**Distance:**

**Locale Accuracy:** Known

**Cargo at Event:** General Cargo

**Voyage:**

**Displacement:**

**Draft FWD (m):**

**Captain's Experience:** Unknown

**Radar Equipped?:** Unknown

**Radar Details:**

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