



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

Name: Advance	Prime Mover: Sail
Flag: USA	Transmission: Unknown
ASPPR Ice Class: Unknown	Power (kW):
Lloyd's Class: Unknown	# Propellers:
Baltic Class: Unknown	Prop. Type: Unknown
Vessel Type: Sailing Vessel	Service Speed:
Owner: Henry Grinnell	Stern Form:
Registered Country: USA	Steel Grade: Unknown
Year of Manufacture: 1847	<u>Miscellaneous Vessel Notes:</u>
Bow Shape: Unknown	Wooden hermaphrodite brig.
Stem Angle:	
<u>Dimensions (m):</u>	<u>Mass (tonnes):</u>
Length: 26.8	Gross: 144
Beam: 6.6	Net:
Depth: 2.6	Dead:

Collision Details

Date: 03-Jul-1853	Air Temperature:
Visibility (nautical miles):	Water Temperature:
Visibility: Unknown	Wind Speed:
Visibility - Fog: Unknown	Wave Height:
Visibility - Snow: Unknown	Sea State: Unknown
Visibility - Light: Unknown	
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

Damage Sustained: Yes	Damage Report No. :
Scenario: Glancing Blow	Steel Failure Type: Unknown
Severity: Minor Deck Damage	Size - Length (m):
Location: Hulls	Size - Height (m):
Code: Appendage	Damage Below WL (m):
Length of Downtime:	Damage Above WL - Height (m):
Cost of Downtime:	Damage Above WL - Length (m):
Cost to Repair:	
No. Lives Lost:	
No. Injuries:	Cause of Deaths/Injuries: Unknown
Cargo Loss: Unknown	
Pollution: Unknown	Pollution Potential: Unknown

Cause of Damage:

"We drove into a couple of bergs.." while working up Baffin Bay in pack ice and fog and southerly wind.
Position later at midnight 75°27'N with land visible to NE.

Damage Description:

"..carried away our jib-boom and shrouds, and destroyed one of our quarter-boats."

Ice Details

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

Geographic Area: Baffin Bay Area

Origin: New York

Collision Latitude: 75 ° 25 ' " N

Destination: Arctic

Collision Longitude: 060 ° 00 ' " 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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Lloyd's Class: Unknown	# Propellers:
Baltic Class: Unknown	Prop. Type: Unknown
Vessel Type: Sailing Vessel	Service Speed:
Owner: Henry Grinnell	Stern Form:
Registered Country: USA	Steel Grade: Unknown
Year of Manufacture: 1847	

Bow Shape: Unknown
Stem Angle:

<u>Dimensions (m):</u>		<u>Mass (tonnes):</u>	
Length:	26.8	Gross:	144
Beam:	6.6	Net:	
Depth:	2.6	Dead:	

Miscellaneous Vessel Notes:
Wooden hermaphrodite brig.

Collision Details

Date: 21-Aug-1853	
Visibility (nautical miles):	Air Temperature:
Visibility: Unknown	Water Temperature:
Visibility - Fog: Unknown	Wind Speed:
Visibility - Snow: Unknown	Wave Height:
Visibility - Light: Unknown	Sea State: Rough
Collision Speed: 0	

Damage Details

Damage Sustained: No	Damage Report No. :
Scenario: Vessel drifts upon iceberg	Steel Failure Type: Unknown

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Severity: Unknown

Size - Length (m):

Location: Unknown

Size - Height (m):

Code: Unknown

Damage Below WL (m):

Length of Downtime:

Damage Above WL - Height (m):

Cost of Downtime:

Damage Above WL - Length (m):

Cost to Repair:

No. Lives Lost: 0

No. Injuries:

Cause of Deaths/Injuries: Unknown

Cargo Loss: Unknown

Pollution: Unknown

Pollution Potential: Unknown

Cause of Damage:

Vessel caught in nip against iceberg in Force Bay, Greenland while crush of pack forced it up iceberg then released, occurring at least twice with no great damage; very similar in account to the Intrepid's encounter two years earlier in Baffin Bay.

Damage Description:

No significant damage.

Ice Details

Ice Briefing Received: Unknown

Iceberg Population:

IIP Iceberg Number:

Sea Ice Concentration:

Position of Nearest Known Iceberg:

Iceberg Shape: Unknown

Latitude: ° ' " N

Iceberg Size: Unknown

Longitude: ° ' " W

Length:

Date of Observation:

Width:

Iceberg Tonnage:

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Route Details

Geographic Area: Baffin Bay Area

Origin: USA

Collision Latitude: 78 ° 36 ' " N

Destination: Arctic exploration

Collision Longitude: 071 ° 50 ' " 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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