<u>Timeline</u>

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Air Brakes: A Railroad Turning Point

<u>1865</u>

George Westinghouse developed a devise to re-rail cars
Patented a rotary steam engine on October 31

<u>1868</u>

Westinghouse started working on the railroad frog, spanning to 1869

1869

Patented the air brake

Westinghouse Air Brake Company incorporated on September

<u>1872</u>

On March 5, Westinghouse receives a patent for the triple valve

<u>1880</u>

Bought signal and switch patents

<u>1881</u>

Railroad employee accident rate was 30,000; fell 60% after air brakes

<u>1882</u>

Founded Union Switch and Signal Company

<u>1893</u>

On March 18, President Harrison made air brakes mandatory on all US trains

<u>1918</u>

Air brakes started being used on road trucks