

A BRIEF HISTORY OF THE VACUUM CLEANER

Vacuum cleaners were invented out of necessity during the industrial revolution and have been around for over two centuries, let's recap how it all started.



1858

Based on US patent records, James H. Harkiss invented the first carpet sweeper. It wasn't much of a success because it was complex to use and inefficient.
US Patent 9279



1860

Daniel Hays patents his version of the carpet sweeper. It used bellows on top to produce suction and incorporated two water chambers to capture dirt. Unfortunately, this version mass produced.
US Patent 29077



1869

James W. McGaffery patents the "whirlwind" sweeping machine. It was difficult to use since one had to turn a crank and push at the same time.
US Patent 91145



1876

August Stenroos developed a push powered sweeper he called the "Grand Rapid". He invented this out of necessity to pick up dirt and dust off the carpet in their shop.
US Patent 122346



1899

John Thresher develops a gasoline powered "pneumatic carpet sweeper" that used compressed air instead of suction. Some historians considered this to be the first motorized vacuum cleaner.
US Patent 62492



1900

Constant Dufour invents the first electric carpet sweeper. It utilized wet sponges to pick up dirt and dust.
US Patent 664135



1905

Walter Griffith invents the first portable vacuum cleaner. It was the first vacuum cleaner that had a flexible hose and a variety of nozzles for cleaning different parts of the house, these nozzles were interchangeable.



1907

David T. Kennedy applies for his first patent, the "Apparatus for Removing Dust" but it wasn't granted until 1907. In total he received 6 patents between 1907 and 1913 that laid the groundwork for the American vacuum cleaner industry.
US Patent 847947



1901

Hubert Cecil Booth invented the first electric vacuum cleaner that used suction which he later called "vacuum cleaner". It was so big and heavy that it needed a horse drawn carriage to move around.
UK Patent GB190117400



Chapman and Skinner invents the moveable electric vacuum. Even though it was called "moveable" it tipped the scales at 24 pounds. Women couldn't move this without the help of their husbands.



1906

Jim Kirby designed his first vacuum that used water to separate dirt and cloth to filter out dirt. There is 1909 unhappy with the difficulty in disposing dirty water he designed a system that used centrifugal action and cloth to filter out dirt.



Hermann Bogerschild patented a "dust removing apparatus" that's mounted on wheels. The motor was connected to a hose and filtration system. He filed for a patent in 1906 and was awarded the following year.
US Patent 867006



1910

Charles Beach, Frederick Orus, and Louis Hamilton developed a small motor that ran on AC or DC electrical power. This was a giant leap forward in the development of plug in domestic appliances.



1909

Detroit businessman Fred Wandell establishes the Eureka Vacuum Company. One of the first manufacturers to offer lightweight and maneuverable vacuum cleaners that had built-in accessories to clean upholstery, walls and bare floors.



1908

James Murray Spangler patents the first portable electric vacuum cleaner. He later sold the patent to his cousin, Hiram Williams "Boo" Hoover and became a partner in Hoover's Electric Suction Sweeper Company.
US Patent 847947



1919

Jim Kirby agrees to design exclusively for George Scott and Cecil Fether. This partnership produced some of the more innovative designs in the vacuum industry like the electric Vactette model.



1920

Air-Way Sanitizer introduced the first vacuum cleaner that used a disposable bag.



1924

George Morrell introduced the Electro-Vac vacuum cleaner in the United States. It became an overnight success and its unique design set the standard for excellence.



1935

Scott and Fether introduced the Kirby Model-C. It was the first vacuum that carries Jim Kirby's name. This was a first in a long line of products for Kirby's name.



1930

The first plastic vacuum cleaner was introduced in the market. Later on, headlights were added to in some higher-end models.



1926

Hoover designed positive agitation that increased dirt removal efficiency. These metal beater bars have led to increase carpet cleaning efficiency by 300 percent.



1950

The first convertible upright vacuum was introduced to the market.



1954

Hoover introduced a vacuum that looks like a hovercraft & a. Instead of using wheels, it "floats" on a cushion of air that comes from its exhaust. Hoover stopped production in 1955 but has since re-introduced an updated version.



1963

David Greck starts manufacturing light vacuum cleaners for the hotel industry. His idea was to produce lightweight yet powerful vacuums that housekeepers would prefer over heavier models made by other brands.



1979

Black and Decker introduces the first cordless hand-held dustbuster designed by Carmel Gantz. This was their most successful product ever with over 300 million units sold.



1978

James Dyson got to work and built over 5,000 to be exact prototypes before perfecting it 5 years later. Dyson vacuums was the first house the bagless technology in a market that was dominated by bagged vacuums.



1969

The first self-propelled vacuum hit the market. Hoover was the first to market these types of vacuum cleaners.



1997

Swedish manufacturer Electrolux unveiled the Tribute in BBC's "Tomorrow's World". This was the world's first autonomous cordless robotic vacuum cleaner.



2002

Helen Greiner and her colleagues at Robot-Know. It was a hit, earning Good Housekeeping's seal of approval, even Oprah Winfrey added it to her list of "favorite things".



2011

British inventor Jake Tyler develops the world's first vacuum cleaner robot, a cardboard box his final degree project at the VUE HQ. His invention vacuum manufacturer Vax so much that they had Jake and have put this into production.

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The Vacuum Cleaner A History

**Carnegie Endowment for International
Peace. Division of Economics and
History**

The Vacuum Cleaner A History:

The Vacuum Cleaner Carroll Gantz, 2012-10-05 House cleaning has been an innate human activity forever but only since the early 19th century have mechanical devices replaced the physical labor performed mostly by women Mechanical carpet sweepers were replaced by manual suction cleaners which in turn were replaced by electric vacuum cleaners in the early 20th century Innovative inventors who improved vacuum cleaners as electricity became commonly available made these advances possible Many early manufacturers failed but some such as Bissell Hoover Eureka and others became household names as they competed for global dominance with improved features performance and appearance This book describes the fascinating people who made this possible as well as the economic cultural and technological contexts of their times From obscure beginnings 200 years ago vacuum cleaners have become an integral part of modern household culture The Vacuum Cleaner ,1938 **Antique Vacuum Cleaner History: A History of the Vacuum Cleaner** , David L Evans presents a collection of histories about the vacuum cleaner The collection highlights the early 20th century histories of companies such as Eureka Hoover Kirby and Royal Appliance **A History of Vacuum Cleaner Design** Nicole L. Stutzman, 1999 Current History ,1923 **A History of the Singer Building Construction** Otto Francis Semsch, 1908 History of Wayne County and the City of Detroit, Michigan Clarence Monroe Burton, 1930 The Lowbrow Guide to World History Michael Powell, 2004 **Economic history pamphlets** ,1911 **A History of Northwest Missouri** Walter Williams, 1915 **Local History of Detroit and Wayne County** George Byron Catlin, 1928 *Street's Pandex of the News and Cumulative Index to Current History* ,1909 **A History of Northern Michigan and Its People** Perry Francis Powers, 1912 **The Centennial History of Illinois** Illinois. Centennial Commission, 1920 **Natural History** ,1921 Economic and Social History of the World War Carnegie Endowment for International Peace. Division of Economics and History, 1922 **The Annals & Magazine of Natural History** ,1912 **The Annals and Magazine of Natural History** ,1912 **Economic and Social History of the World War. British Series** Carnegie Endowment for International Peace. Division of Economics and History, 1922 The ... Annual Report of the American Museum of Natural History American Museum of Natural History, 1918

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Table of Contents The Vacuum Cleaner A History

1. Understanding the eBook The Vacuum Cleaner A History
 - The Rise of Digital Reading The Vacuum Cleaner A History
 - Advantages of eBooks Over Traditional Books
2. Identifying The Vacuum Cleaner A History
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an The Vacuum Cleaner A History
 - User-Friendly Interface
4. Exploring eBook Recommendations from The Vacuum Cleaner A History
 - Personalized Recommendations
 - The Vacuum Cleaner A History User Reviews and Ratings
 - The Vacuum Cleaner A History and Bestseller Lists
5. Accessing The Vacuum Cleaner A History Free and Paid eBooks
 - The Vacuum Cleaner A History Public Domain eBooks
 - The Vacuum Cleaner A History eBook Subscription Services
 - The Vacuum Cleaner A History Budget-Friendly Options
6. Navigating The Vacuum Cleaner A History eBook Formats

- ePub, PDF, MOBI, and More
 - The Vacuum Cleaner A History Compatibility with Devices
 - The Vacuum Cleaner A History Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of The Vacuum Cleaner A History
 - Highlighting and Note-Taking The Vacuum Cleaner A History
 - Interactive Elements The Vacuum Cleaner A History
 8. Staying Engaged with The Vacuum Cleaner A History
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers The Vacuum Cleaner A History
 9. Balancing eBooks and Physical Books The Vacuum Cleaner A History
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection The Vacuum Cleaner A History
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine The Vacuum Cleaner A History
 - Setting Reading Goals The Vacuum Cleaner A History
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of The Vacuum Cleaner A History
 - Fact-Checking eBook Content of The Vacuum Cleaner A History
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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