

THE DEVELOPMENT OF THE INDUSTRIAL UNITED STATES

Unit 3 project

FEMALE INVENTOR –MARY WALTON

- Mary Walton was born in New York City in 1827. There is little information on Mary's life, she was not well-known at the time. However, a statement made in 1884 and published in the Lexington Weekly Transcript provides some important details regarding her youth. Her father raised and taught her because he didn't have any sons and believed in educating his daughters.
- . She was a 19th-century American inventor who created pollution-reduction innovations. Mary's first invention was a chimney and locomotives system. Her mechanism diverted emissions from industry smokestacks into water tanks, where the pollutants were collected and eventually discharged into sewers or other appropriate channels.
- This invention was an excellent starting step toward reducing pollution. Mary later developed a technique to lessen noise pollution. The rapidly expanding train infrastructure in New York City was a source of noise. Mary recognized a solution and devised a mechanism in which she used a wooden box lined with cotton and filled with sand to solve the problem. The train's noise level was decreased as a result.



PROGRESSIVE ACTIVIST – IDA TARBELL



- Ida Tarbell, whose full name was Ida Minerva Tarbell, was an American author, lecturer, and industrial historian best known for her classic *The History of the Standard Oil Company*. She was born in Erie County, Pennsylvania, on November 5, 1857, and died in Connecticut on January 6, 1944.
- She was one of a group of so-called "muckrakers" who helped shape investigative journalism. Ida Tarbell was a progressive activist. Despite not being a proponent of women's causes or rights, she worked in a masculine environment of journalism, financial analysis, and foreign affairs.
- Tarbell succeeded in a male world as the most prominent woman participating in the muckraking movement and one of the most respected business historians of her generation.

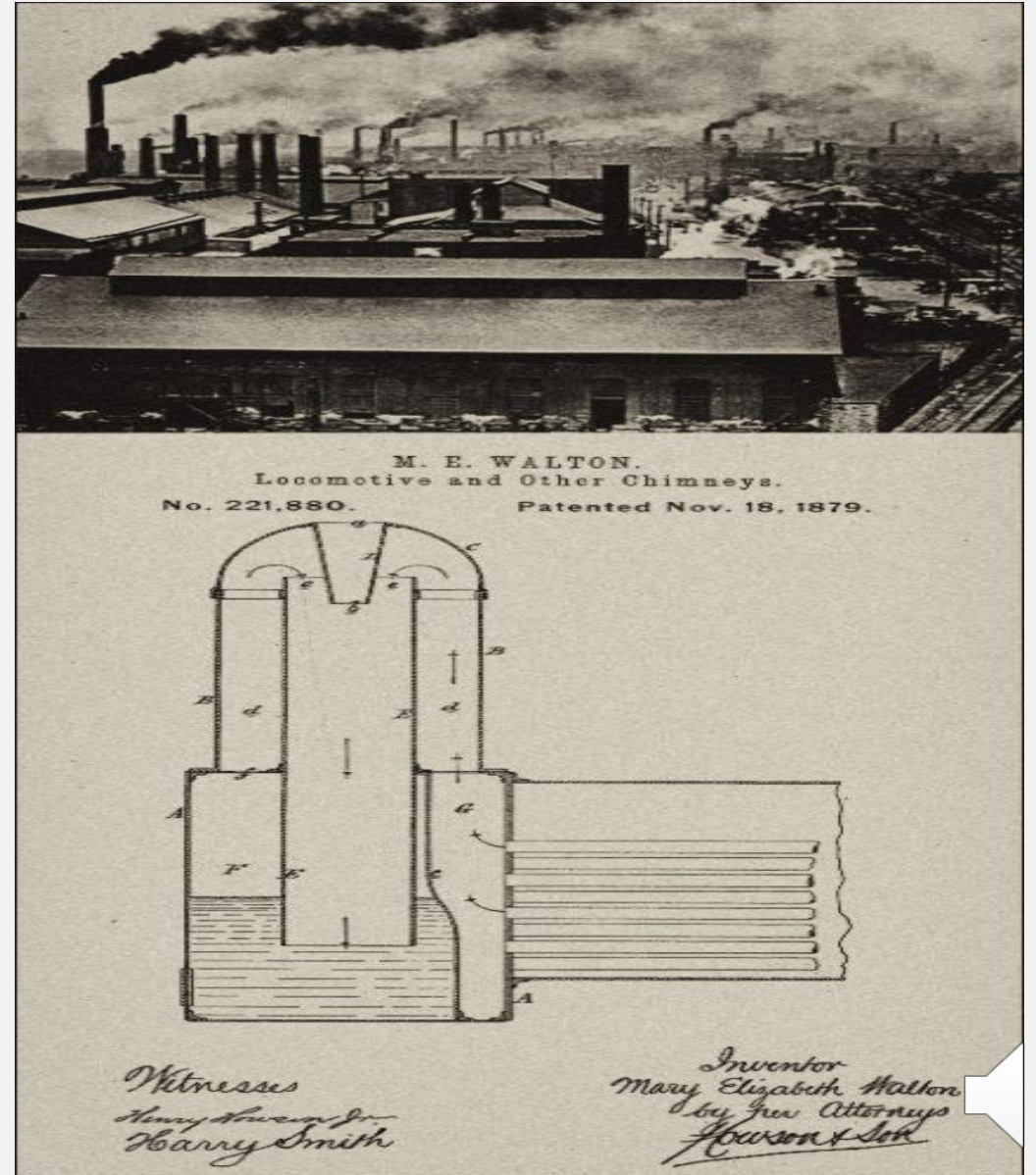
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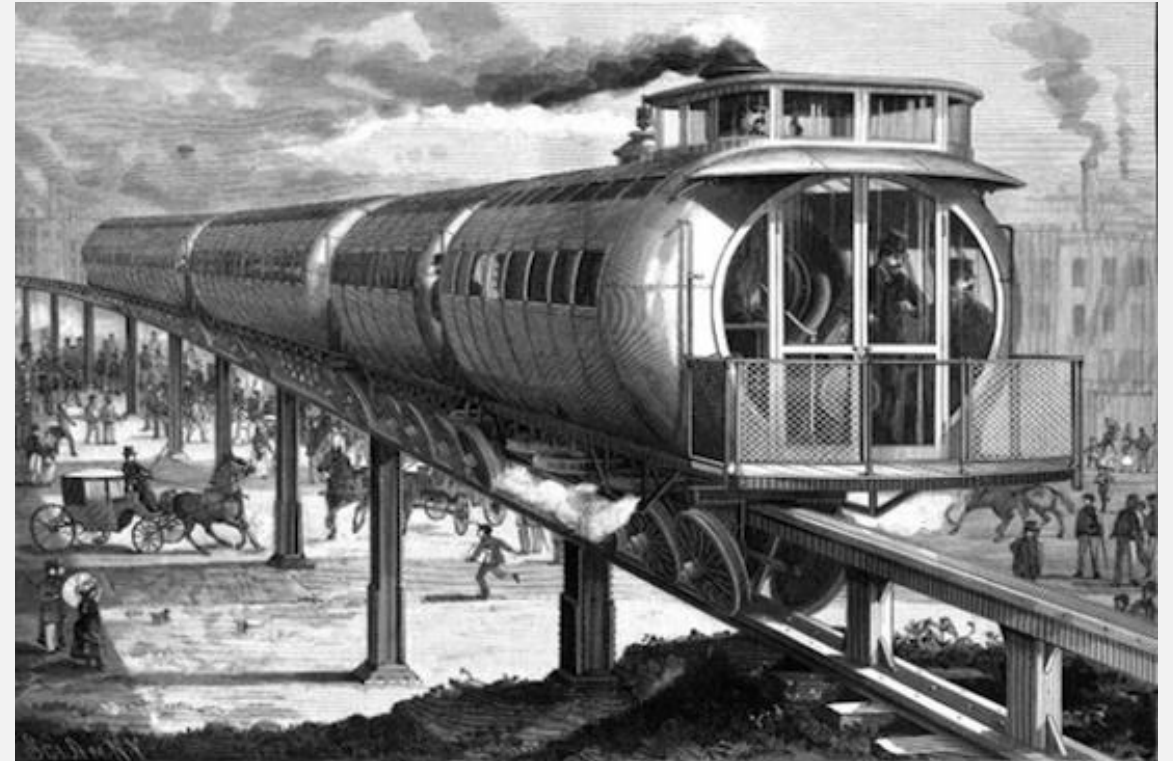
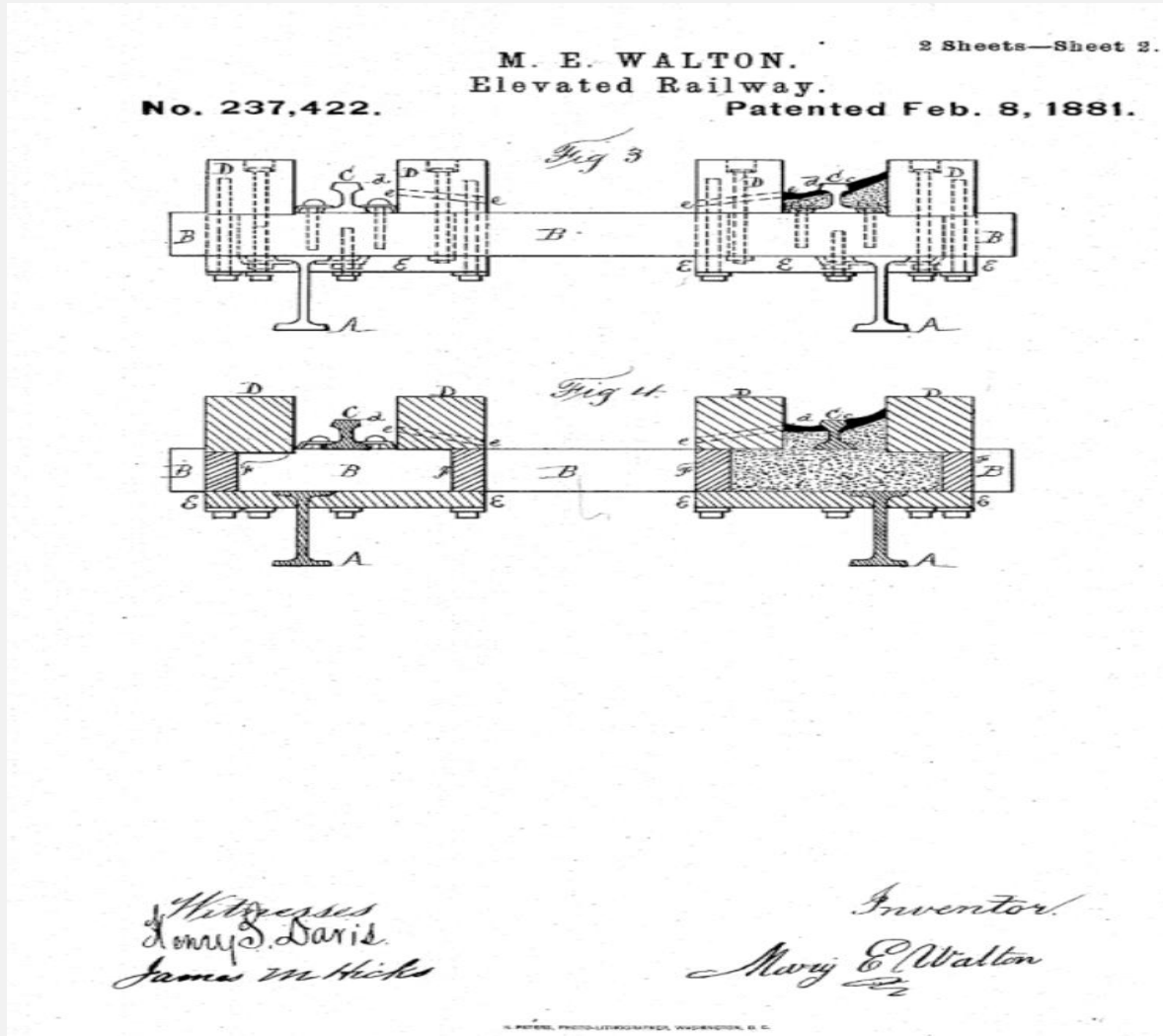


<https://www.agefotostock.com/age/en/Stock-Images/factory-chimney-black.html>

<https://wednesdaywomen.com/mary-walton-female-inventor-who-succeeded-where-edison-failed/>



Elevated Railway noise pollution reduction system



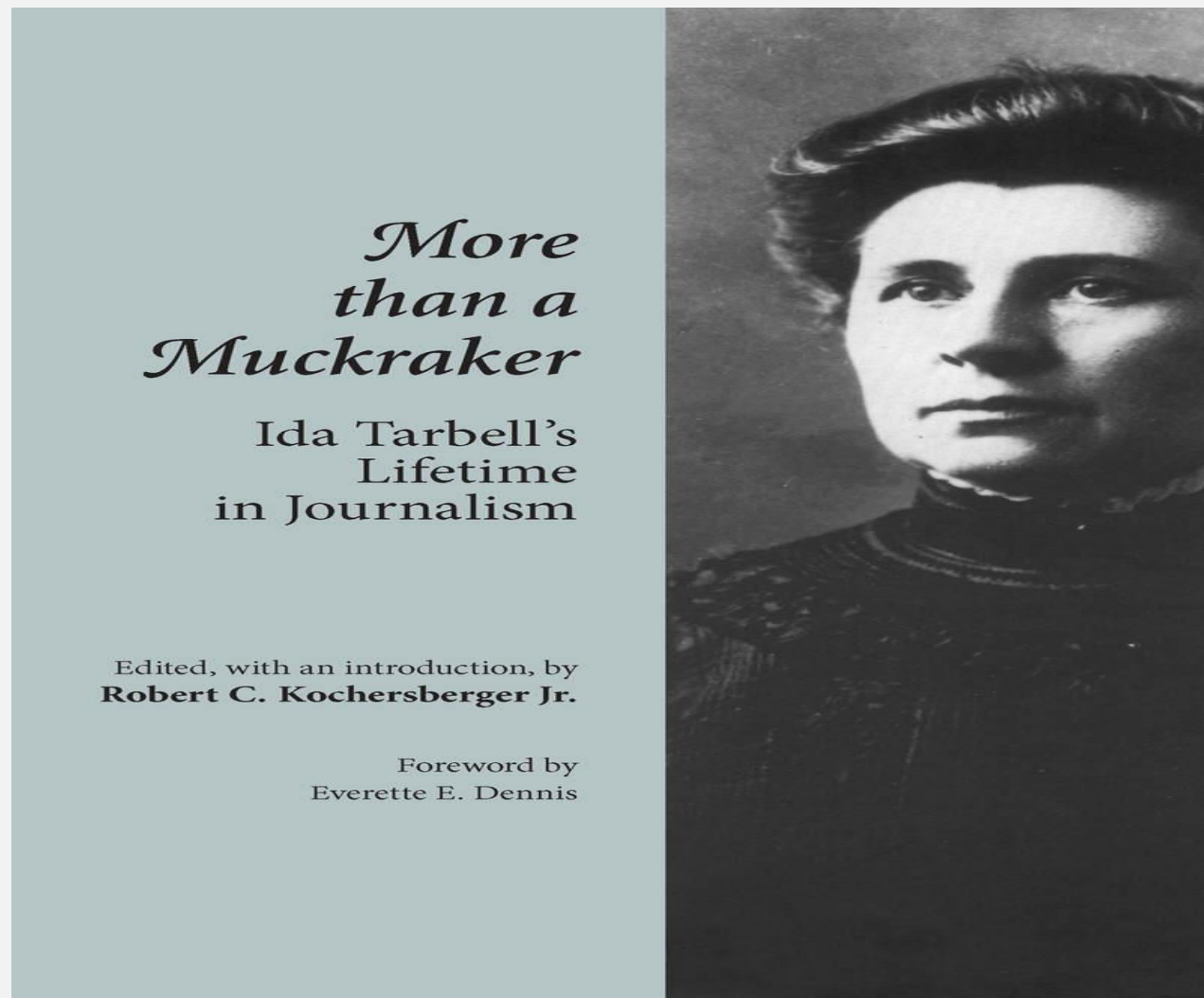
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<https://lemelson.mit.edu/resources/mary-walton>





<https://niemanreports.org/stories/whys-this-so-good-no-101-ida-tarbell-and-the-history-of-the-standard-oil-company/>



*More
than a
Muckraker*

Ida Tarbell's
Lifetime
in Journalism

Edited, with an introduction, by
Robert C. Kochersberger Jr.

Foreword by
Everette E. Dennis

<https://www.bibliovault.org/BV.book.epl?ISBN=9780870499340>



DIFFERENCES IN THEIR LIVES

Mary

- Mary Walton's life was barely known because women were not recognized during her time.
- Very little is mentioned about whether Mary Walton was married or not.
- She was raised in a family of only girls.
- Mary was an inventor an engineer and an environmentalist.

Ida

- Ida Tarbell was born in Pennsylvania in Erie county. She went to Titusville high school, and later she went to Allegheny college. She later became a mentor of a newspaper and travelled to Paris to study journalism.
- Ida swore never to get married.
- She had two brothers and a sister.
- Ida on the other hand was a journalist known as a muckraker. She was also a business analyzer and a progressive activist.



SIMILARITIES IN THEIR LIVES, THOUGHTS AND CIRCUMSTANCES

They were both very educated women.

They both had good relationships with their parents and siblings.

They both had the ideas of saving common people.

They were both successful women carrier wise.

They both lived in a male predominant society, however they rose above it and banished the norm that women should not hold high positions in the cooperate world.



THOUGHTS

Mary Walton

Mary Walton's main concern was the environment. She invented devices that reduced pollution.

Mary thought ahead of time and she had foreseen how the world would be if the issue of pollution was not addressed.

Ida Tarbell

Ida Tarbell was known for writing the history of the standard oil company, where she exposed all the ills which later led to breaking down of the company. She was opposed exploitation of small businesses by bigger companies.

After breaking the company's trust Ida later came to defend most of American businesses. Furthermore, in her books or/and writings she expressed hope and faith in new businesses.



CIRCUMSTANCES

Mary Walton

- Due to the fact that Mary Walton was born in a family of only girls, she dedicated her life to working so hard to make her father proud, her father believed in educating girls and gave her the opportunity to do so.
- In a male dominated world Mary chose to give a try in making a system that would reduce the noise pollution caused by the railways in New York City just after Thomas Edison had failed. Her system was able to muffle the noise produced by the trains. Therefore being successful.

Ida Tarbell

- When Ida was 14 she witness the Cleveland Massacre where dozens of small producers of oil in Ohio including Ida's father faced an intimidating choice. They had to sell their business to John D. Rockefeller. In addition to this Rockefeller was in changer of the standard oil company.
- After witnessing what her family went through, Ida could not forget the oil war of 1872. Therefore, she developed a great desire to expose the company, which eventually resulted to the monopoly of the Standard Oil Company being broken up. In her paper, she discussed the unethi activities that contributed to the company's demise at the



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