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Norbert Rillieux, an African American inventor living in the pre-Civil War south, is considered to be one of the earliest chemical engineers. Rillieux's lasting scientific achievement was his recognition that latent heat could be harnessed to produce better quality sugar at lower cost and reduced labor. One

Landmark Lesson Plan: Norbert Rillieux, Thermodynamics and ...

Norbert Rillieux (1806-1894), widely considered to be one of the earliest chemical engineers, revolutionized sugar processing with the invention of the multiple effect evaporator under vacuum.

Rillieux's great scientific achievement was his recognition that at

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Engineering
reduced pressure the repeated use of latent heat would result in the production of better quality sugar at lower cost.

Norbert Rillieux - American Chemical Society

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Subject areas: Chemistry, Engineering, Thermodynamics and History . Based on “Norbert Rillieux and a Revolution in Sugar Processing,” a National Historic Chemical Landmark . Principal author: Susan Cooper Page 2/10

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This Norbert Rillieux, Thermodynamics and Chemical Engineering

Lesson Plan is suitable for 9th - 12th Grade. The man who invented

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Engineering
the earliest examples of chemical engineering was an American-born, French-educated, free man of color before the Civil War, and went on to translate Egyptian hieroglyphics.

Norbert Rillieux, Thermodynamics and Chemical Engineering ...

Norbert Rillieux (March 17, 1806 – October 8, 1894) was an American-French inventor who was widely considered one of the earliest chemical engineers and noted for his pioneering invention of the multiple-effect evaporator. This invention was an important development in the growth of the sugar industry.

Norbert Rillieux - Wikipedia

Norbert Rillieux was a brilliant student of thermodynamics who became famous for devising evaporators for sugar cane,

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Engineering revolutionizing the sugar-refining industry and easing the labor of slaves. Born free on March 17, 1806, on a New Orleans plantation to Vincent Rillieux, a prosperous engineer and inventor of a steam-operated cotton baler, and his slave wife, Constance Vivant, Norbert was baptized at the St. Louis Cathedral in the Latin Quarter.

Norbert Rillieux Biography (1806-1894)

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Norbert returned to Louisiana in 1833 to work on the new refinery design, however, Forstall and the Rilleux family fell out over the project and the refinery was never built. Undaunted, Norbert continued his research into the thermodynamics of sugar refining over the following nine years, and he patented his machine in 1843.

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Thermodynamics And Chemical Engineering

Norbert Rillieux Thermodynamics And Chemical Engineering

“The following is an inquiry-based activity to help students understand the chemical engineering advances of Norbert Rillieux (1806-1894). Rillieux, an African American inventor and one of the earliest chemical engineers, had a major impact on how sugar was produced on Southern plantations during the time of Slavery.

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MP3+ACS+Rillieux-Thermo Project | Mary Ellen Aleksza

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Norbert Rillieux (1806-1894) invented a revolutionary new process for refining sugar. Rillieux's most famous invention was a multiple-effect evaporator, which harnessed steam energy from boiling sugarcane juice, greatly reducing refining costs.

11 Black Chemists and Chemical Engineers

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Norbert Rillieux (1806-1894) was the inventor of the multiple-effect vacuum evaporator, which revolutionized the processing of sugar. He gained recognition as one of the prime architects of the modern sugar industry.

Norbert Rillieux | Encyclopedia.com

SUBJECT AREA: Agricultural and food technology [br] b. 1800 New Orleans, Louisiana, USA d. 1894 France [br] African American inventor of a sugar evaporation process. [br] A free black, he was the son of Vincent Rillieux, a white engineer, and

Rillieux, Norbert

Norbert Rillieux. American inventor and engineer best remembered for his invention of the multiple effect evaporator. ... African

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Engineering
American researcher known for being a pioneer in the chemical synthesis of medicinal drugs from plants. Synthesized cortisone for the treatment of arthritis.

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