Who invented the electric light bulb?

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If you ask almost any schoolboy or schoolgirl, "Who invented the electric system.'

Some scholars, however, Gloucester, had invented a could never be. working, electric light bulb in 1865, 14 years before Edison successful, elder Adams to produced his first successful put his son through a rigorexception, the design of the After attending private pre-Adam's incandescent light bulb was virtually the same as Edison's invention. And heard of Dr. Adams' success. to Harvard Medical School.

Dr. Adams was born in Bos-Adams Sr., was already a professor, Josiah Cooke, who well-known inventor and changed his life and started businessman. The elder him on the path to becom-Adams played a great role in ing an inventor. Cooke got proficient in glass blowing his bulb. his son also becoming a well-the young man interested in and constructing the Geissler preneur, although he did it With Cooke's encourageunwittingly.

man who owned several Adams Company, a manufacturer of printing presses. One invention for which he would applications. This led young to electric lighting. of his basic manual presses later receive a very valuable Isaac to embark on a series can still be seen at the Cape U.S. patent that would make of experiments to develop July 24, 1911 in Annisquam. Ann Museum.

As a relatively young man, Isaac Sr. invented and had invent the first incandescent lamp using a carbon filament process. But, now you know patented the first powered bulb had its root in the next in 1865. But he then aban- that he also made other sigprinting press for fine book phase of Dr. Adams' educa- doned the technology, didn't nificant developments includprinting. It was a breakthrough that became very tor graduated from Harvard other, more lucrative prod- bulb fourteen years before successful because it led to just as the Civil War was ucts exploiting his patent on Thomas Edison. the production of relatively beginning. His father then nickel plating. inexpensive books that made sent him to another medi-

son to follow in his footsteps. But in reality, he didn't want and integrity of Dr. Adams. available at the Cape Ann Instead he really wanted the to be a physician. Instead, he

his boy

his career to settle a debate the age of 9, he left home to elder Adams. over what was his greatest work in a cloth-making facwanting to become wealthy, and to have a son who would tric light bulb invention. Durbelieve that Dr. Isaac Adams be the highly educated and ing the course of his studies, yers, Dr. Adams penchant for Jr., a longtime resident of refined "gentleman" that he

> This is what drove the nowparatory schools in Boston, young Adams graduated

While he was at the medihis fortune.

How Isaac Jr. also came to tion. The new medical doc-

young man to be a medical wanted to pursue technology retired from the nickel-plat-

become the basis of his elec-bulbs.

produced his first successful inventor of the nickel plating seek a patent and went on to

literature available to every- cal school, this time in Paris. Adams Jr., recognized for his one. As a result, Isaac Sr. Isaac Sr. wanted to get his contribution to the invention homes. He is the author of "The became famous and one of son away from the war and that Edison considered to Inventor and the Inventor's the wealthiest men in Boston. increase the young man's be his greatest accomplish- Son: the two Isaac Adams," a Originally, the strong- medical knowledge. Isaac ment? Perhaps part of the biography of Dr. Isaac Adams willed father did not want his Jr. did as his father wished. answer lies in the character and his father. The book is

In 1890, Dr. Adams had Museum and on Amazon.

doctor and gentleman. It was as a career. The young man's ing business and was living Isaac Sr.'s early life that led success with nickel plating, in Annisquam. He was conhim to make such a plan for his strong educational back- tacted by the law firm repground and the deep admi-resenting the United States Isaac Sr. was born into a ration he had for his father Electric Lighting Company in light bulb?" they would say, large, poor farm family in as an inventor and entrepre- their suit against Edison over "Thomas Edison." Edison, rural New Hampshire. After neur led Isaac Adams, Jr. to the invention of the electric perhaps the most famous and his father died, the young- now consider such a goal. At light bulb. The lawyers hoped successful inventor in mod- ster had to help support his this point, however, he didn't that Dr. Adams would claim ern times, was queried late in mother and siblings. So, at mention his intentions to the that he had invented the carbon filament electric light In Paris, Isaac Jr. did study bulb before Edison. If upheld. invention. He replied with- tory in Rochester, N.H. As a advanced medical tech- it would have denied Edison out hesitation, "Incandescent result of his impoverished niques, but he also latched the patent and his monopoly electric lighting and power beginnings, Isaac Sr. grew up on to a technology that would on the production of the light

Unfortunately, for the lawvoung Isaac met Monsieur A. truth, honor and humility led Gaiffe, a Paris-based instru- him to describe his work durment maker and chemist. ing the patent trial in only the What intrigued Isaac the most accurate terms, when he most among Gaiffe's tech- could have easily made a case bulb in 1879. With a minor ous schooling experience, nological bag of tricks were for his developments antici-Geissler tubes. These are pating the Edison invention. gas-filled glass tubes with He testified that his intenelectrodes sealed in each tion in researching the bulb from Bowdoin College and, at end. When a current is was to develop-glass sealing yet very few people have ever his father's behest, went on passed through the tube, the technology, not necessarily gas becomes "excited" and to produce an electric light emits a low-level illumina- bulb. And, besides, he said, ton in 1836. His father, Isaac cal school, young Isaac met a tion, like a neon light. These he had no means to generate devices were used at the time the power to provide a viable to help illuminate surgeries. electric lighting system. So, The young doctor became that is why he never patented

The result of Dr. Adams known inventor and entre- the field of electrochemistry, tubes. When he returned to testimony was that the court Boston, he briefly set up a found that Thomas Edison ment, Isaac Jr. worked on medical practice to please was the first to develop, pat-The elder Adams was a the problem of plating base his father, but he soon turned ent and exploit the electric powerful, larger-than-life metals with nickel. While he to technology to earn his liv- light bulb and power system was still in medical school, ing. He designed and sold a technologies. And Edison was companies in Boston. His Isaac Jr. was the first chemist range of Geissler tubes to a awarded the patent rights. So, primary enterprise was I&S to develop a workable nickel number of Boston companies most people then just forgot plating process. It was an to produce light for various about Dr. Adams contribution

Dr. Adams passed away on an incandescent bulb. He He is well remembered as the ing a working electric light

Anthony J. Marolda is a res-So, why isn't Dr. Isaac ident of Annisquam, and lives in one of Isaac Adams' family