
Frank Julian Sprague Electrical Inventor Engineer

frank julian sprague - muse.jhu - 92 frank julian sprague hoist rope so that it was under tension and arched, and the end springs were drawn in. if the rope broke or otherwise failed, the spring would immediately flatten and shoes on the end of the spring would be driven into the notched rails, bringing the car to an immediate stop.1 otis was persuaded to bring his **frank j sprague and the electric elevator** - frank j sprague and the electric elevator by brian roberts, cibse heritage group frank julian sprague, 1857-1934 frank sprague was born on 25th july, 1857 in milford, connecticut to david cummings sprague and francis julia king sprague. **frank julian sprague - muse.jhu** - c. passer's frank julian sprague: father of electric traction.3 almost simul-taneously i received a copy of a 1984 french article concerning "la fin des sprague," the retirement of the paris metro line le sprague. having run since 1903, the line was an amalgamation of the sprague and thomson railway sys-tems. **iee milestone for grand central terminal electrification ...** - frank julian sprague (1857-1934) will always be remembered for the design and construction of new york city's grand central terminal (now a world-famous landmark as well) and the electrification of the railroads connecting they city to the world outside **supplement to the histelect news no. s68 april 2018** - frank julian sprague trained in the united states navy becoming an officer and inventor in the field of electric motors, electric railways, and electric elevators. ----- the name frank julian sprague may not be as well known to most of us as richard trevithick or george stephenson in ... **the new york public library books manuscripts division ...** - frank julian sprague (1857-1934)engineer, inventor, and "father of electric traction," was born in milford, connecticut and raised in north adams, massachusetts. he graduated from the u.s. naval academy in 1878 and served in the navy until 1883 when he resigned his commission to work for thomas edison. unhappy with the edison company's focus on **y e a r s - spragueinstitute** - • dr julian herman lewis was the first african american to earn a phd in physiology. a 1915 graduate of the university of chicago, he worked part-time ... dr. frank billings, colonel albert a. sprague assumed the helm. he served until his death in 1946 and re-shaped the grants program. **medium voltage reduced voltage starters - ieee** - 1886 frank julian sprague non-sparking motor 1887 frank julian sprague 1stelectric trolley system faraday's electromagnetic experiment, 1821 jedlik's "electromagnetic september 27, 2016 self-rotor" 9 andrew gordon thomas davenport **out of the attic - alexandriava** - streetcar technology was first introduced by frank julian sprague in richmond. sprague, an 1878 graduate of the u.s. naval academy, became well known for his electrical innovations on ships where he was deployed as a naval officer, including the inverted dynamo and the first electric call-bell system installed on a vessel. **out of the attic - city of alexandria, va** - streetcar technology was first introduced by frank julian sprague in richmond. sprague, an 1878 graduate of the united states naval academy, became well known for his electrical innovations on ships where he was deployed as a naval officer, including the inverted dynamo and the first electric call-bell system installed on a vessel. **united states department of the interior national register ...** - it is believed that john wise met with frank julian sprague, a pioneer in the field of street railway electrification, during one of his many trips to new york. frank julian sprague (1857-1934), a graduate of the united states naval academy, had honed an inventive mind while working with thomas a. edison. in 1884, he formed the sprague **sprague electric - main | welcome to mcla** - sprague electric volume xiv north adams, massachusetts, august 8, 1952 niiiiim-i 24 frank j. leeming joins application engineering staff frank leeming has joined the appli-cation engineering staff of sprague electric as of july 21. mr. leeming will be a wire specialist for the com-pany and will coordinate all applica-tion engineering in wire. **of electricity in america - psegt transmission** - 5 to develop the state of new jersey and make it a better place to live development of electricity in america 6 by the 1870s the race was on in the united states to develop electric lighting systems and power sources. the arc lamp developed by charles brush ... minds that included frank julian sprague, samuel insull, and nikola tesla.

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