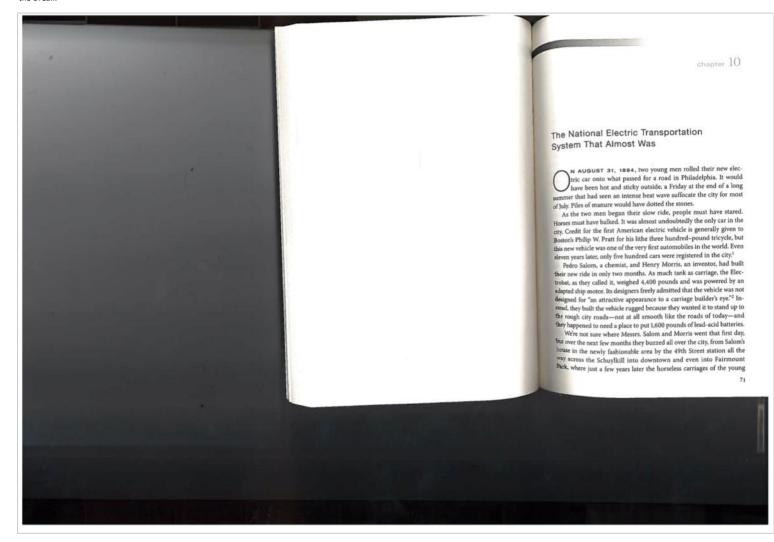
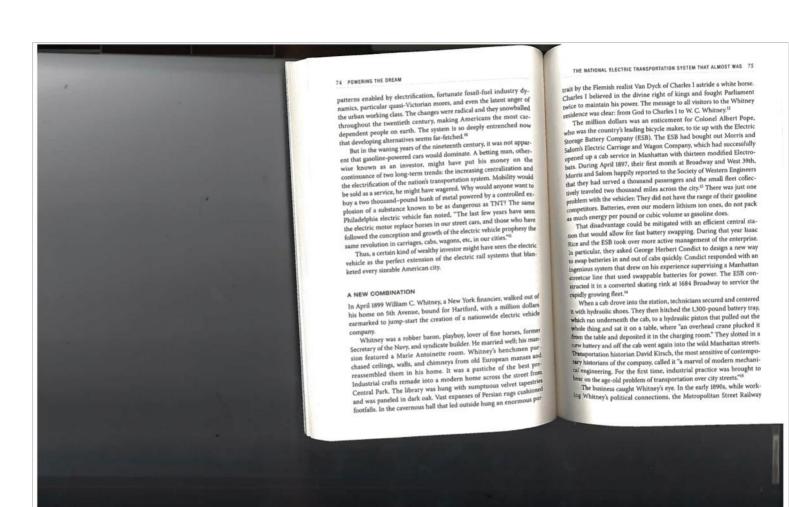
Day 14: Powering the Dream Ch 10

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Powering the Drea...







centralization was tantamount to progress (with a capital P). Even American socialists thought "aggregations" were a good idea. Edward Bellamy's Uncle Tom's Cabin-level hit, 1887's Looking Backward, envisioned a society in the year 2000 in which every industry had been con-

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solidated into one, big socialist enterprise.

In the novel, the wise man of Bellamy's future notes, "The fact re-In the novel, the wise man of Bellamy's future notes, "The fact re-mained that, as a means of producing wealth, capital had been proved efficient in proportion to its consolidation." To bring back the days of small business "would have involved returning to the days of stagecoaches."27 Indeed, the only way to move forward was bigger and bigger coaches." Indeed, the only way to move forward was bigger and bigger companies—capitalism so super in its scale that it becomes socialism. The process of syndicate building 'only needed to complete its logical evolution to open a golden future of humanity. Then, the government became "the final monopoly" as "the epoch of trusts had ended in The Creat Trust." 28 Great Trust."28

Thus, it was only logical that transportation would s

Thus, it was only logical that transportation would soon be monopolized by a few.

Pope and Whitney sealed the deal and each side of the transaction took half of the Electric Vehicle Company. As an enterprise for building and operating electric vehicles, it seemed to have all the right parts: the Electric Storage Battery Company and its patent on the lead-acid storage battery, the Pope manufacturing apparatus, Whitney's financial connections, and the central station service model developed by Complete. veloped by Condict.

BICYCLES AND ROADS, BARONS AND RAILS

As the Electric Vehicle Company (EVC) rounded into shape, there was a brief moment when it seemed that success might be at hand. The New a brief moment when it seemed that success might be at nand, the new York station was performing well and new offices began to operate around Boston, New Jersey, Chicago, and Newport.

But to say that the EVC was a grand disappointment would be an

But to say that the EVC was a grand disappointment would be an understatement, Within about a year problems began to appear. In New York the service remained profitable, but the other cities suffered from poor management and operations. The batteries were not propriet cared for, nor were the drivers trained well. Led by the trade magazing the property of the propriet of the property of the propriet of the property of the prope Horseless Age and its "autoelectrophobe" editor, E. B. Ingersoll, the

public started to call the company "The Lead Cab Trust." The regional operating companies were shut down in February 1901.

People began to suspect that Whitney and his financiers were

merely trying to pull some stock swindle. That notion gained steam when the EVC turned patent troll and began brandishing the Selden patent, which it said covered all automobiles.²⁹ Automotive historians of the 1950s have tended to see the problems as simply the gurgling death cries of an electric vehicle industry being taken out by the insurdeath cries or an electric vehicle industry being taken out by the insur-gent gasoline-powered car; they see the death of the EVC as a demon-stration of the technological impracticality of the battery-powered vehicle.³⁰ But contemporary historians like Gijs Mom and David Kirsch have taken the company more seriously. Kirsch sees the scheme, if not the actual company, as "the seed of an alternative transportation system for motorized road transport."3

This alternative transport scheme would have been an electrified adjunct to the existing rail and trolley lines. Urbanites could have gotten anywhere in the country on a combination of rails and electric cabs. It would have been far more energy efficient, but from a consumer perspective, it curbed autonomy.

That turned out to be very important because the company was imming against a very important cultural trend: the massive popubrity of the bicycle. It was the crazy popularity of the two-wheeled bike that laid the cultural, infrastructural, and legal groundwork for the primat land me cuturar, an intersucturia, an legal groundwork of the praviley owned, gasoline-powered vehicle's dominance. "Easily the greatest significance of the bicycle was the interference it ran for the automobile," wrote sociologist Sydney Aronson. "The bicycle did the dirty work for its mechanized successor in a variety of ways." 22

Operationally, the more than six thousand American bicycle repair shops that existed in 1900 became the "logical repair place for the auto" and helped train a generation of mechanics and inventors who would go on to service and create new automobiles. Culturally, the bicycle pulled people off the rails. It got them used to thinking about traveling on their own, whenever they pleased. They turned mobility into a product, not a service. With railroads and horsecars and trolleys, a person paid simply for the ride, not the vehicle itself. Bicycles, however, were different. People owned the machine and could ride it on their own schedule, even late at night or out to where there were no other people. We take for