Early Rail Service in Wilmington

Starting in 1832 the New Castle & Frenchtown Railroad operated a steam engine that pulled passengers and freight from the Delaware River to the Chesapeake Bay - a one-hour trip of 20 miles that eliminated a much longer river, ocean and bay journey of about 300 miles.

The Philadelphia, Wilmington & Baltimore (PW&B) railroad started serving Wilmington to Baltimore in 1837 and from Wilmington to Philadelphia the following year. At Havre de Grace and Perryville, MD, freight cars were pushed onto the first railroad ferry in the U.S., while passengers got off the trains, walked onto the boat and crossed the wide Susquehanna River. On the other side, they resumed their journey by boarding waiting passenger cars. This method of crossing the river continued until 1866 when the first bridge was opened. The PW&B became a major part of the Pennsylvania Railroad in 1881.

In 1872, the Wilmington & Western Railroad started carrying freight and passengers from downtown Wilmington, DE to Landenberg, PA, a journey of about 40 miles. In 1877 it became the Delaware Western (DW) and in 1881 was purchased by the Baltimore & Ohio, to expand its line in order to compete with the PRR for the traffic to New York City.

The Northeast Corridor

Served by the three mid-Atlantic rail lines, and having access to the ocean via the Delaware River, Wilmington was a major commercial hub. Its geographic position, in the center of today's "Northeast Corridor", was key for those seeking to connect the nation's financial center in New York City to the center of political power in Washington DC, via Baltimore, MD; Wilmington, DE; Philadelphia, PA and Trenton, NJ.



On January 28, 1907, the first train departed the then unfinished Wilmington Train Station. (University of Delaware Libraries, Digital Collections)

Railroad Industry in Wilmington, Delaware

THE RISE OF INDUSTRIAL WILMINGTON

By the 1850s, Wilmington's economy had been transformed by steam-powered industry. The carriage-making, shipbuilding, railroad car construction, iron foundry work, and tanning trades employed most of Wilmington's industrial workforce throughout the 19th century. By the end of the Civil War, the largest firms in Wilmington were Harlan & Hollingsworth, Pusey & Jones, The Lobdell Car Wheel Company, and Jackson & Sharp, all locally owned and engaged in the manufacture of railroad equipment.

SKILLED WORKERS

Key to the success and growth of Wilmington's industries was the skilled handling of iron and wood among area workers. During the Civil War, Harlan & Hollingsworth and Pusey & Jones were both pioneers in the production of iron for shipbuilding, relying on their highly experienced ironworkers.



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Pennsylvania RailRoad office Building [1905] with pedestrian bridge to Station.





Railroad Architecture of Frank Furness

Renowned architect **Frank Furness (1839-1912)**, in the Course of his 45-year practice, designed more than 600 structures, including banks, office buildings, libraries, mansions, hotels, churches, synagogues, and railroad stations. His designs are evidence of the industrial power of the age. Furness' signature style featured colorful, textured surfaces created by the skillful combination of architectural styles and a daring combination of materials – stone, wood and metal – finished in different fashions and highlighted with bold paint schemes and innovative use of glass. He also often designed all the fixtures and furnishings of the interiors.



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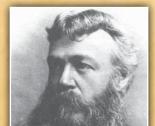
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Railroads in America

n 1830 there were 23 miles of railroad track in the United States and 30,000 miles by 1860, with 99 percent of the track lying east of the Mississippi River. The majority of those rails were operated by hundreds of small freight carriers serving specific industrial locations. Rails attracted additional industry and encouraged a developing passenger service. Three major lines would eventually serve Wilmington, Delaware - The Baltimore & Ohio Railroad (B&O), The Reading Railroad, and The Pennsylvania Railroad (PRR).



Railroad Heritage Display in the Joseph R Biden Station by The Friends of the Furness Railroad District.



The Furness Railroad District

urness designed buildings in the District are: the **Baltimore & Ohio Railroad Water Street Station** (1887), **the Pennsylvania Railroad Office Building** (1905), and the **Pennsylvania Railroad Wilmington Station** (1907-08), making it the only remaining collection of railroad buildings designed by Frank Furness. A fourth element of the District is the four mile long Wilmington Rail Viaduct (1902-1908). Considered one of America's most original and creative architects, the three remaining Wilmington Furness buildings in the District are evidence of his skill in railroad architecture and are



Carpenter-shop workers at Eastern Malleable Iron Company ca. 1905. Built in 1903 on New Castle Avenue south of the Christina, this was Wilmington's largest foundry, employing 2,000 workers. (*Hagley Museum & Library*)

LIFE IN INDUSTRIAL WILMINGTON

Industrial growth in Wilmington reflected a pattern seen in other American industrial centers - the separation of dwellings from places of work and of working-class housing from middle- and upper-class residences. Geography had a great deal to do with where 19th-century Wilmingtonians lived. The high and healthful land away from the Christina River attracted factory owners and their mansions as well as the middle class, while the flat, eastern lands were developed with row upon row of two-story brick homes for the working class.



FRANK FURNESS RAILROAD DISTRICT The B&O Water Street Station (1888), the Pennsylvania Railroad Office Building (1905), and the Wilmington Train Station (1907), comprise a anique campus of railroad architecture by renowned Philadelphia architect Frank Furness (1839-1902). Frequently commissioned by the nation's leading railroads, Purness left his creative mark at stationes large and small throughout the Northeast, though few survive. Over his half-century curver, which was interrupted by service in the Civil War. Furness developed a distinctively American style in which architectural elements were manipulated in proportion and scale in order to dramatice ab bilding is function and character. Oversized arches, muscular moldings, and bold projecting elements distinguish his works, which were further enlivened by his ideosyneratic ornament that combined organic and geometric motif. His Wilmington commissions included the former Security Trust and Safe Deposit Grafts) at the correr of Sisth and Market Streets, and the B&O Delaware Avenue Passenger Station (1886), demolished in 1960.

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Wilmington's Three Major Rail Lines:

THE BALTIMORE & OHIO RAILROAD

Chartered in 1827, The Baltimore & Ohio Railroad was America's first common carrier railroad. It began serving Wilmington in 1881 with the purchase of the Delaware Western. Two new stations were opened in the city, one on Water Street and the other at Delaware Avenue and DuPont Street (today's Trolley Square), then the city limit.

THE READING RAILROAD

Completed in 1843, the main line of the Philadelphia & Reading Railroad (P&R), commonly called the Reading Railroad, was originally constructed to haul anthracite coal from mines in northeastern Pennsylvania to the industrial centers in and surrounding Philadelphia. In 1870, the Reading extended into Delaware by establishing the Wilmington & Reading Railroad.

THE PENNSYLVANIA RAILROAD

Founded in 1846, the Pennsylvania Railroad (PRR) took over the Philadelphia, Wilmington & Baltimore in 1881. Over the next decade the PRR had a larger budget than the United States government, employed 250,000 workers nationwide, and had merged with or held an interest in at least 800 other rail lines and companies, including several across Delaware. The PRR's "Wilmington Improvements" - the Wilmington Rail Viaduct, the Wilmington Station and the adjacent PRR Office Building -- were started in 1900.









TIMELINE