



Photo credit: Goucher College

### Primary Connections:

- Baltimore & Ohio Railroad Co.: Research Engineer; Service Engineer; Designer, Bridge Department, 1920-51
- District of Columbia Public Schools: Mathematics teacher at McKinley Manual Training School, 1909-19

### Education:

- Goucher College: B.A., Mathematics, 1908
- Columbia University: M.A., Mathematics and Astronomy, 1909
- Cornell University: Civil Engineering Degree, 1920

### Key Memberships/Awards:

- Maryland Women's Council: "Woman of Maryland" Citation, Industrial Field, 1951
- Women's Centennial Congress: 100 Outstanding Career Women in the U.S., 1940
- American Railway Engineering Association: Elected Member, 1927
- Phi Beta Kappa, 1908

# Olive Dennis

## Railroad Passenger Car Improvements

U.S. PATENT NO. 1,693,108: Ventilator

*Inducted in 2026 Born: Nov. 20, 1885 Died: Nov. 5, 1957*

Olive Dennis, a civil engineer for the Baltimore and Ohio (B&O) Railroad Co., made travel vastly more comfortable for rail passengers. Traveling tens of thousands of miles annually for nearly 30 years, Dennis applied both her expertise and her experience to develop many significant innovations for railroad passenger cars.



**Full Bio:** <https://www.invent.org/inductees/olive-dennis>

### Things You Should Know:

- Dennis was born in 1885 in Thurlow, Pennsylvania, and she grew up in Baltimore.
- She showed an interest in engineering from a young age, even building houses and furniture for dolls and a model of a streetcar for her younger brother.
- At Goucher College in the early 1900s, she competed in intramural basketball, and following her graduation, she returned to play on the alumni side in games against the school's championship teams.
- Dennis was hired by the Baltimore & Ohio (B&O) Railroad in 1920 to develop ideas that would lead women to want to travel the B&O line, and in her first year, she traveled more than 44,000 miles on trains.
- She invented an individually operated passenger car ventilator in 1927 and patented it in 1928.
- During World War II, Dennis consulted with the Office of Defense Transportation and co-authored a study on the jobs in the railroad industry that women could fill.
- In 1927, she became the first woman elected to the American Railway Engineering Association.
- Dennis was the principal designer of the Cincinnati, B&O's luxury streamliner passenger train that debuted in 1947.
- Dennis belonged to the American Cryptogram Association and to the National Puzzlers' League, for whom she served in executive positions including a term as president in 1930-31. Each member used an assumed name, and Dennis' was N. Jineer.