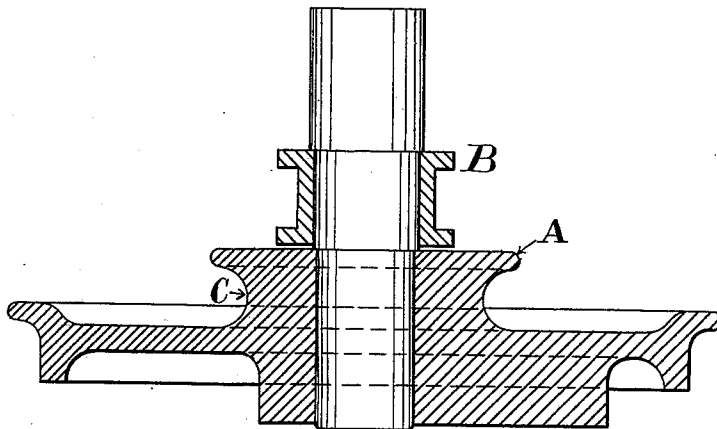
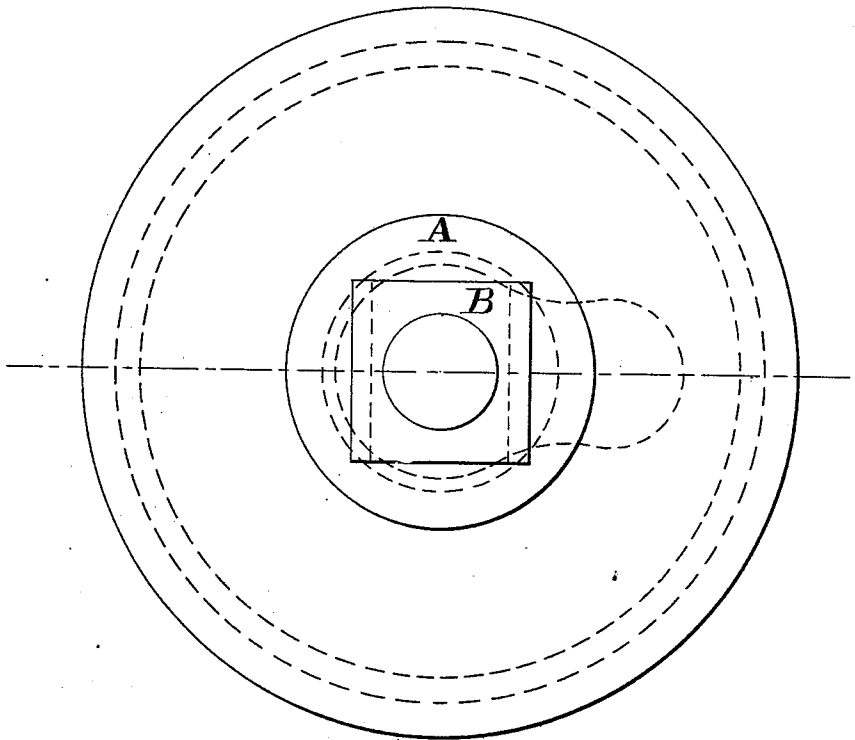


E. LONGSTRETH.

CAR-WHEELS.

No. 187,978.

Patented March 6, 1877.



Witnesses

L. Brown
W. B. Loomis

Inventor

Edward Longstreth

UNITED STATES PATENT OFFICE.

EDWARD LONGSTRETH, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF
PART OF HIS RIGHT TO GEORGE BURNHAM, CHARLES T. PARRY,
EDWARD H. WILLIAMS, WILLIAM P. HENSZEY, AND JOHN H. CONVERSE,
OF SAME PLACE.

IMPROVEMENT IN CAR-WHEELS.

Specification forming part of Letters Patent No. **187,978**, dated March 6, 1877; application filed
January 23, 1877.

To all whom it may concern:

Be it known that I, EDWARD LONGSTRETH, of the city of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in City Passenger Car-Wheels, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

The object of my invention is to prevent the soft mud or dirt that gathers on the inside of city passenger car-wheels from dropping into the joint or space between the hub and the journal-box, as is now the case in all such cars, thereby causing great friction and wear to the journals.

By reference to the accompanying drawing it will be seen that I construct a thin projecting flange, A, on the part that adjoins the box B, in such a manner that a groove or receptacle, C, is formed in which deposits are received and are conducted clear of the box B while standing, and are by centrifugal force thrown off while running.

I claim as my invention—

The projecting flange A and groove C, in combination with a city street-car wheel.

EDWARD LONGSTRETH.

Witnesses:

T. BROOM BELFIELD,
WM. C. STROUD.