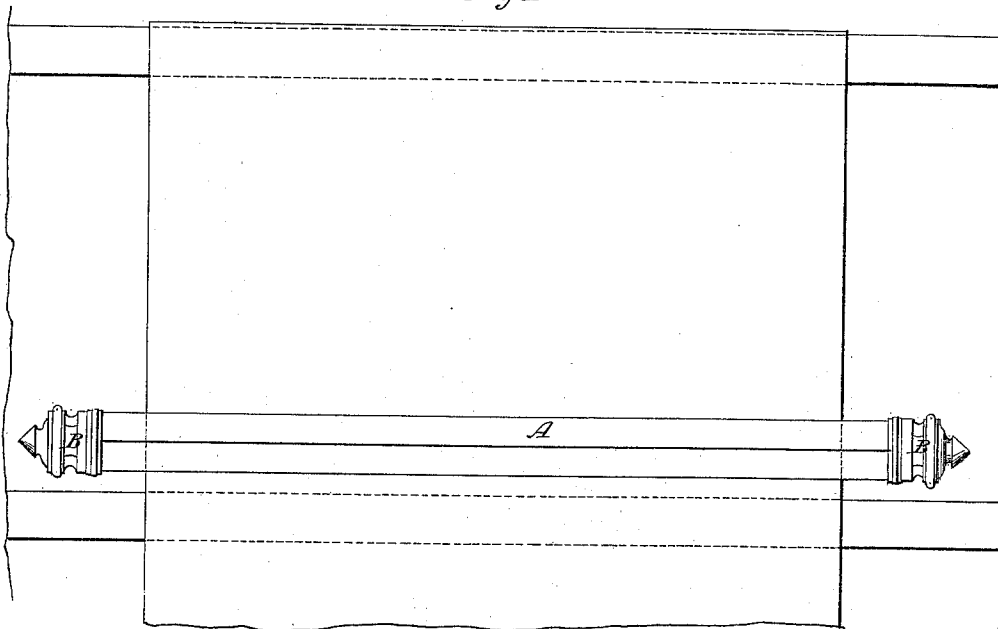


*H. Wray.*  
*Stair Rod.*

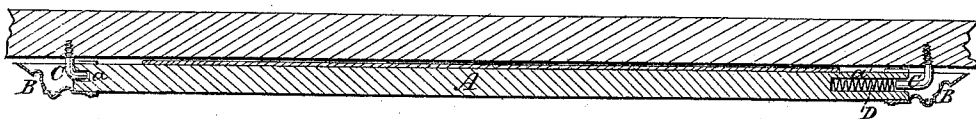
*N<sup>o</sup> 86,714.*

*Patented Feb. 9, 1869.*

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*A. Sellere*  
*A. Kimmer*

*Inventor*

*Hyppolite Wray*

# United States Patent Office.

HYPOLITE UHRY, OF NEW YORK, N. Y.

Letters Patent No. 86,714, dated February 9, 1869.

## IMPROVEMENT IN CARPET-RODS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HYPOLITE UHRY, of the city, county, and State of New York, have invented a new and useful Improvement in Stair-Rods, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figure 1 represents a face or front view of one of my improved stair-rods as applied to a stair in fastening down a carpet; and

Figure 2, a horizontal section through the same.

Similar letters of reference indicate corresponding parts.

My improvement is mainly adapted to wooden rods for fastening down carpets on stairs; and

Said invention consists in a peculiar mode of fastening, which is effected by constructing the rod with a hole drilled or formed longitudinally at its one end, and fitted or provided with a spring, compressible in direction of the length of the rod, for use in concert with a hook or bent pin, applied as a fixture to the stair, at or near its one end, the longitudinal hole in the rod receiving the hook or bent arm of the pin within it on sliding said rod in the one direction, while the other end of the rod, in afterward sliding it in the opposite direction, is made to lock with a pin or fixture arranged to project from or near the opposite end of the stair.

Referring to the accompanying drawing,

A is a rod made of wood, of any desired length and suitable configuration, but preferably of a flat or straight character on its inside face.

B B are metallic hollow caps secured to the ends of the rod, for giving an ornamental finish to the latter, and for covering or concealing the fastening-attachments by which the rod is held to the stair and against or on the carpet.

These fastening-attachments consist of two hooks or bent pins, C C', screwed or otherwise made to bite into the stair, at or near its ends, the outer bent ends or arms of said hooks being arranged to face each other, and the bent end or arm of the one hook being of greater length than the arm of the opposite hook.

The rod A has holes *a a'* drilled in it longitudinally at either end, of a diameter to receive freely within them the arms of the hooks.

In the one of these holes, *a'*, which is designed to receive the arm of the hook C', and which is represented as of greater length than the hole *a* at the op-

posite end of the rod, is inserted a spiral or other suitable spring, D, compressible in direction of the length of the rod.

To fasten the rod to the stairs on or over the carpet, it is simply necessary first to pass the hole *a'* over or so as to receive within it the arm of the hook C' and push the rod up against or toward the shank of said hook, in doing which the spring D is compressed. The opposite end of the rod is then adjusted to receive within its hole *a* the arm of the opposite hook C, which may be effected by releasing hold on the rod, when the spring D will shoot the rod into lock with said hook, or if the spring be not sufficiently strong for that purpose, by sliding with the hand the rod into gear with such hook. Thus fastened, the rod is restrained from end-play, or working loose, by the pressure of the spring D against the arm of the hook C.

The rod is unfastened by sliding it toward the hook C', which action compresses the spring D, and allows of the end of the rod that gears with the hook C to be drawn out or away from said hook, when the rod may be slid to unhitch from the opposite hook.

Instead of the hole *a*, in the one end of the rod, a projecting plate, constructed to form prongs at its outer extremity, may be rigidly fastened to said end for lock, with a screw applied as a fixture in place of the hook C, the pronged or forked end of the plate, in the sliding of the rod, clipping the shank of the screw in a crosswise direction to and within its head. This, so far as the fastening at the one end of the rod is concerned, I regard as an equivalent.

From this description it will be seen that the fastening and unfastening of the rod are effected with ease and dispatch, without bending or straining it, and that when in place it is secure, both against end-play and getting loose; also, that there is no objectionable complication about the device, which may be manufactured at but a trifling cost.

What is here claimed, and desired to be secured by Letters Patent, is—

The rod A, provided with longitudinal holes *a a'*, spring D, and hollow ornamental ends or caps B, for use in combination with the hooks C C', all constructed and arranged in the manner shown and described.

HYPOLITE UHRY.

Witnesses:

A. LE CLERC,  
A. KINNIE.