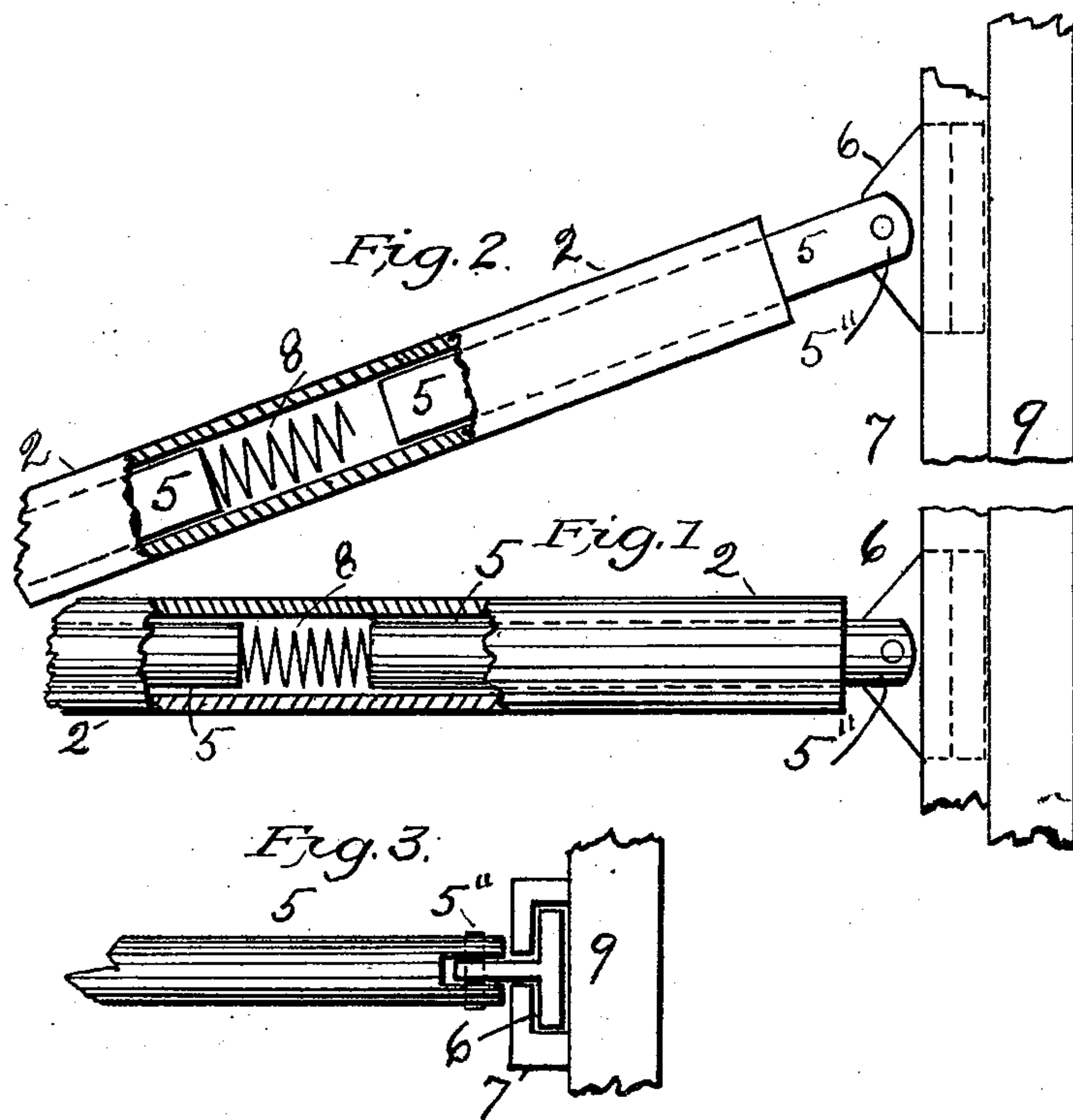


(No Model.)

G. L. BAILEY.
CURTAIN STICK AND GUIDE.

No. 528,709.

Patented Nov. 6, 1894.



Witnesses.
Warren H. Cole.
Frank S. Beal.

Inventor:
Gilbert L. Bailey

UNITED STATES PATENT OFFICE.

GILBERT L. BAILEY, OF PORTLAND, MAINE.

CURTAIN-STICK AND GUIDE.

SPECIFICATION forming part of Letters Patent No. 528,709, dated November 6, 1894.

Application filed March 5, 1892. Serial No. 423,946. (No model.)

To all whom it may concern:

Be it known that I, GILBERT L. BAILEY, a citizen of the United States, residing at Portland, in the county of Cumberland and State of Maine, have invented a new and useful Improvement in Curtain-Sticks and Guides, of which the following is a specification.

My invention relates to certain improvements on the curtain stick for which Letters Patent were granted to Gilbert L. Bailey and Warren W. Cole, dated February 16, 1892, No. 468,861; and the objects of my improvements are, first, to provide means for greater freedom of action in the curtain stick; and, second, to prevent the rattling of the traveling guides when a car is in motion; all as hereinafter set forth. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1, is a front view of a portion of the curtain stick, in its normal position and with a part cut away, to better show my improvements. Fig. 2 is a similar view, but with the stick placed in an oblique position. Fig. 3, is a top view, drawn on a smaller scale, which better shows the traveling guide, and the window frame guide in which it slides.

Similar figures refer to similar parts throughout the several views.

Each end of the tubular stick 2 is provided with a loosely fitting guide-rod 5, extending within said stick and projecting slightly therefrom. A traveling guide, or shoe 6, of any desired length, and T-shaped, in cross section, (see Fig. 3) works in a rabbeted groove in the upright guide 7, fixed on the side of the window frame 9. The body part of said traveling guide projects out from said groove and is pivoted to the outer end of the guide rod 5.

A coiled spring 8, is placed within the tube 2 and between the inner ends of the two rods; which spring, acting against the inner ends of said rods, serves to hold the traveling guide 6 against the window frame, or upright guides, thus preventing any rattling of said guides, when the car, to which they may be attached, is in motion, and, at the same time creating a frictional resistance to the action of the winding up, spring roller, to which the top of the curtain is attached. Spring 8 is of such length as to act on the traveling guides only when the curtain stick is in the normal position seen at Figs. 1 and 3; but, whenever one end of said stick may be sud-

denly raised, the rods 5 are drawn away from the spring 8, by means of the traveling guides, and are released from its pressure; as clearly shown at Fig. 2. This permits the elevated end to easily drop back, or the opposite end to be easily raised by the spring roller, so that the stick will resume a horizontal position, when the hand is removed.

The pivotal joint 5'', between each of the guide-rods and its traveling guide 6, makes available a closer fitting, and a more desirable form of traveling guide, and gives a freer movement to the curtain stick when lifted on an angle.

A detailed description of the operation of the extensible curtain stick may be found in the aforementioned patent to Bailey and Cole.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a curtain stick; a sliding rod projecting from the end thereof; and a traveling guide, adapted to engage with a guide on the frame of a window, of a pivotal connection between said traveling guide and said sliding rod; all substantially as and for the purposes set forth.

2. The combination of a hollow curtain stick; guide-rods which slide in and project from the ends of said stick; traveling guides which engage with fixed guides of the window frame; and hinge-joints connecting said guide-rods and said traveling guides; all substantially as and for the purposes set forth.

3. The combination with the curtain stick; the sliding rods; and upright guides on a window frame, of the traveling guides having body-parts that project from said upright guides; and hinge-joints between said projecting body-parts and the outer ends of said guide-rods; all substantially as hereinbefore set forth.

4. The combination with a tubular curtain stick; guide-rods projecting from the ends thereof; traveling guides connected with said guide-rods; and guides on, the frame of a window, with which said traveling guides connect, of a spring, located intermediately of the inner ends of said guide-rods, and operating thereon, substantially as hereinbefore described, for the purposes set forth.

GILBERT L. BAILEY.

Witnesses:

WARREN W. COLE,
FRANK S. BEAL.