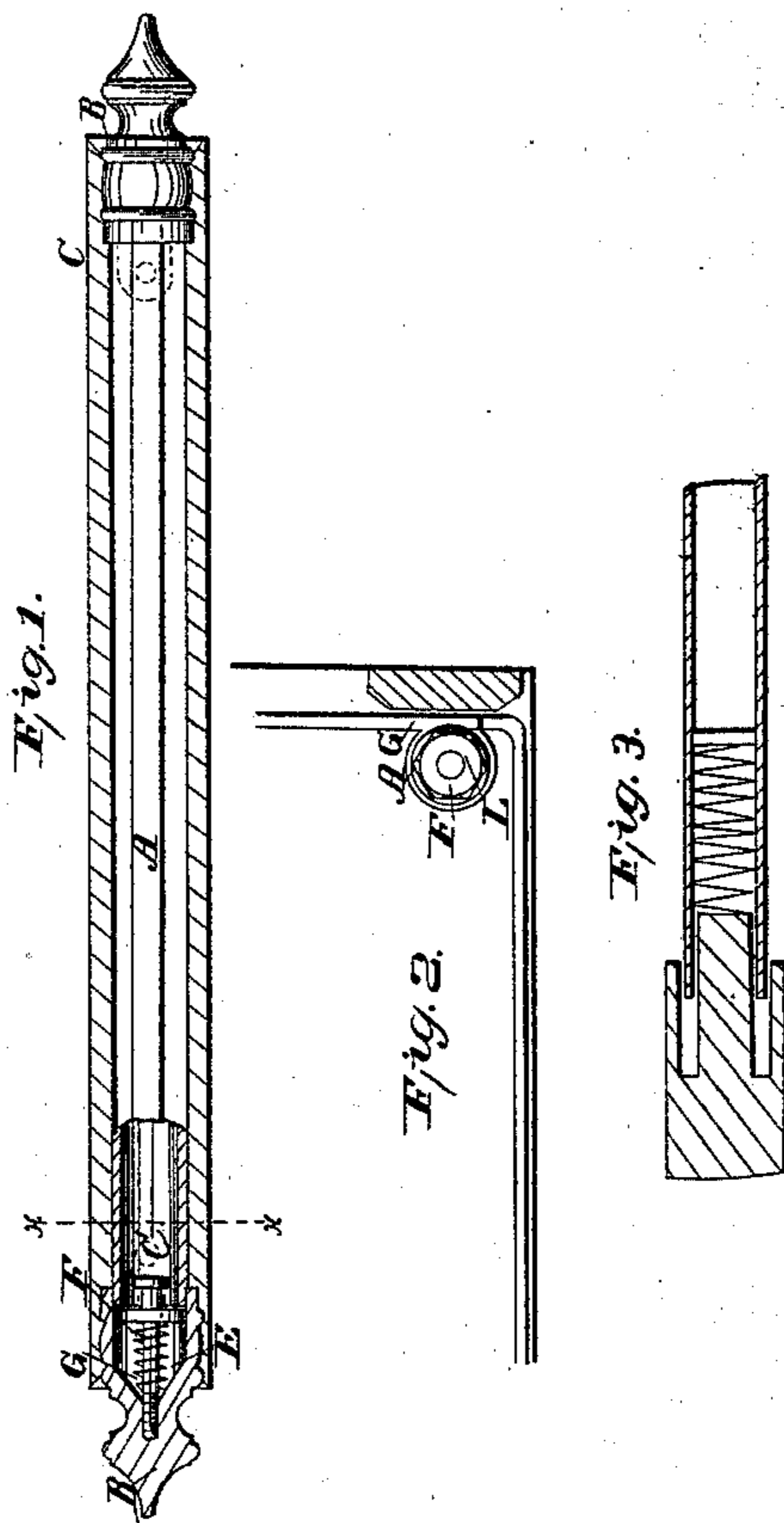


W. B. Gould,

Stair Rod,

N^o 62,027.

Patented Feb. 12, 1867.



Witnesses:
Thos. Fische.
J. A. Service.

Inventor:
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United States Patent Office.

W. B. GOULD, OF NEW YORK, N. Y.

Letters Patent No. 62,027, dated February 12, 1867.

IMPROVED STAIR-ROD.

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, W. B. GOULD, of the city, county, and State of New York, have invented a new and useful improvement in Stair-Rod Fastening; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

By the present invention the stair-rod at each end is inserted and held in a socket or hollow tip, secured to the "rise" of the stairs at the proper points, and provided, either one or both, with an adjustable or yielding bearing surface for the end of the stair-rod, whereby the rod, without disturbing or detaching the sockets or hollow tips provided for each of its ends, can be placed within such sockets or removed therefrom with the utmost ease and facility, and when it is held with sufficient firmness to prevent all lateral play. In the accompanying plate of drawings my improvement in stair-rods is illustrated.

Figure 1 is a view of the stair-rod in the direction of its length, with one end together, with the socket or hollow tip at such end in longitudinal vertical section; and

Figure 2, a transverse vertical section, taken in the plane of the line *x x*, fig. 1.

Figure 3 is a modification of my invention.

Similar letters of reference indicate like parts.

A, in the drawings, represents a stair-rod which, in the present instance, is made hollow from end to end, or of a tube form, and in transverse section of an octagonal or polygonal shape, each side of which may be ornamented by being engraved or embossed, or in any other proper manner. B B, two sockets or hollow tips or caps, both made of a similar shape and size, and provided with a bracket arm, C, by which they can be secured with the use of screws, or other suitable fastening devices, in proper position upon the rise of the stairs, to receive the ends of the stair-rod, which at each end fits or is inserted in their open ends. G, a spindle or stem secured at the centre of one of the hollow tips B. This stem is capped or headed at its outer end, and has a coiled or spiral spring, E, around it. F, a plate or disk, arranged to play upon stem G, and within the socket B, the sides of which it fits. In placing the stair-rod in position upon the stairs, it is by one of its ends first placed in one of the hollow tips, when, being brought to bear upon the plate F with sufficient force to compress the spring back of it to the proper degree to enable its other end to be placed in the other socket, the reaction of such spring then serves to firmly and tightly bind the rod in and between the sockets at its two ends. Although in the above detail description only one of the sockets B is referred to as provided with an adjustable or yielding bearing for the end of the stair-rod, it is plainly obvious that the other may be also similarly provided, the same result in either case being produced, and that, therefore, I do not intend to limit myself to the one only, but intend to employ a spring on either one or both, as I may deem to be the most desirable.

I claim as new, and desire to secure by Letters Patent—

The combination of a stair-rod A and socket or hollow tips B, when they are constructed or arranged together so as to hold the rod, at either one or both of its ends, with an elastic or yielding pressure, substantially as and for the purpose described.

W. B. GOULD.

Witnesses:

WM. F. McNAMARA,
ALBERT W. BROWN.