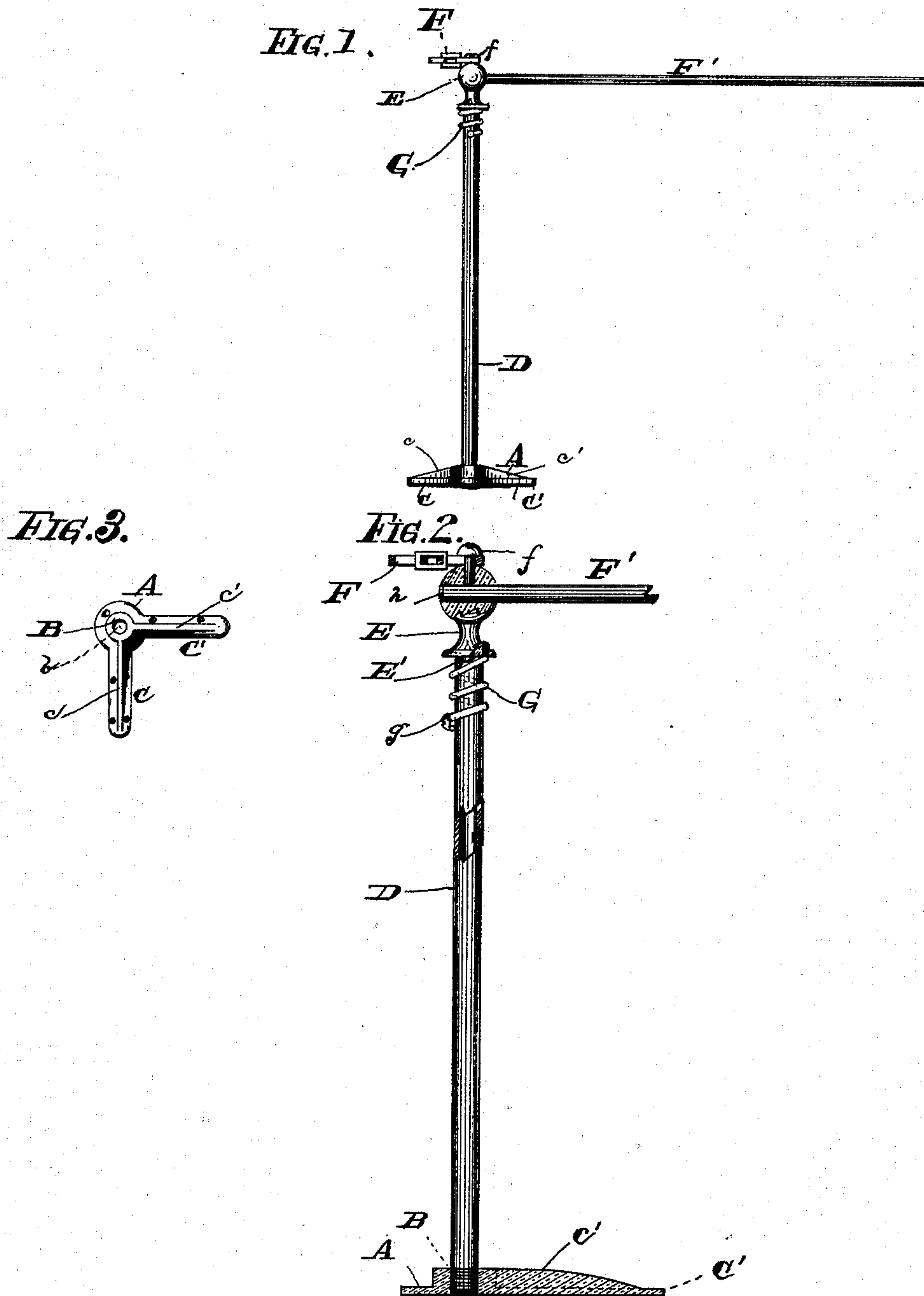


(No Model.)

F. K. PLUMBLY.
GATE.

No. 483,387.

Patented Sept. 27, 1892.



Witnesses:

Wm. O. Stark
Bertie S. Stark

Inventors:

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UNITED STATES PATENT OFFICE.

FREDERICK K. PLUMBLY, OF BUFFALO, NEW YORK.

GATE.

SPECIFICATION forming part of Letters Patent No. 483,387, dated September 27, 1892.

Application filed March 14, 1892. Serial No. 424,825. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK K. PLUMBLY, of Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Rails and Gates; and I do hereby declare that the following description of my said invention, taken in connection with the accompanying sheet of drawings, forms a full, clear, and exact specification, which will enable others skilled in the art to which it appertains to make and use the same.

This invention has general reference to improvements in a gate for voting-booths and the like; and it consists, essentially, in the novel and peculiar combination of parts and details of construction, as hereinafter first fully set forth and described, and then pointed out in the claim.

The object of this invention is the production of a light, cheap, efficient, and portable railing and gate for voting-booths, exhibits at fairs, and the like.

In the drawings, Figure 1 shows one of the standards fitted with a gate. Fig. 2 is an enlarged view of the standard and gate, parts being shown in section to illustrate the details of construction clearly. Fig. 3 is a plan of the floor-plate supporting the standards.

To understand the construction of my railing fully, I refer to the drawings, in which A is the floor-plate, having on its upper surface a boss B with a circular aperture *b* for the reception of the tubular (or solid) rod D, which is either screwed or driven therein. The floor-plate has two extensions C C', strengthened by ribs *c c'* to prevent the standard from being upset by lateral strains. This plate A is secured to the floor in any suitable manner. Into the upper end of the rod before mentioned is inserted a knob E, having a projection E' on its lower end entering said rod. This knob E has a transverse aperture *h*, Fig. 2, for the reception of a rod F', as hereinafter to be referred to.

In providing a gate for this railing I allow the knob E to fit loosely in the end of rod D and slip over the end of the rod a spiral spring G, fastening same at its lower end to the rod by a screw *g* or equivalent thereof

and at its upper extremity to the knob E, thereby preventing the knob from falling off from the end of the rod and at the same time fitting it to serve as a hinge for a gate, as hereinafter fully described. In the aperture *h*, Fig. 2, before mentioned, is secured a rod F' by a set-screw *f'*, which at the same time serves as a fastening for the end of the chain F, per Fig. 2.

The operation of the gate is as follows: A person passing through pushes the rod F' before him, and consequently creates a strain upon the spring, which when the rod is freed returns the same to its normal position, and in which normal position the gate is shut.

From the foregoing it will be seen that my gate is well adapted for use in exhibits at fairs and the like.

I wish it understood that I do not confine myself to the precise construction shown and described, but may depart therefrom in various ways on immaterial points in the construction.

The floor-plate of this railing may be cast in malleable iron and drilled for fastening to the floor and may be tapped for the threaded portion of the rod D, which rod may be made from three-fourths-inch iron pipe. The knob can be cast in iron and the whole can be tastefully japanned and bronzed and placed upon the market at a very reasonable figure.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent of the United States—

A gate for voting-booths, consisting, essentially, of a rod D, secured to a floor-plate A within the boss B, a revoluble knob E at the upper end of said rod, having a transverse opening *h*, fitted with an arm F', and a downward projection E', engaging said rod, and a spiral spring surrounding said rod and affixed with one end to the screw *g* and with the other end to the knob E, as and for the object stated.

In testimony that I claim the foregoing as my invention I have hereunto set my hand in the presence of two subscribing witnesses.

FREDERICK K. PLUMBLY.

Witnesses:

MICHAEL J. STARK,
WM. O. STARK.