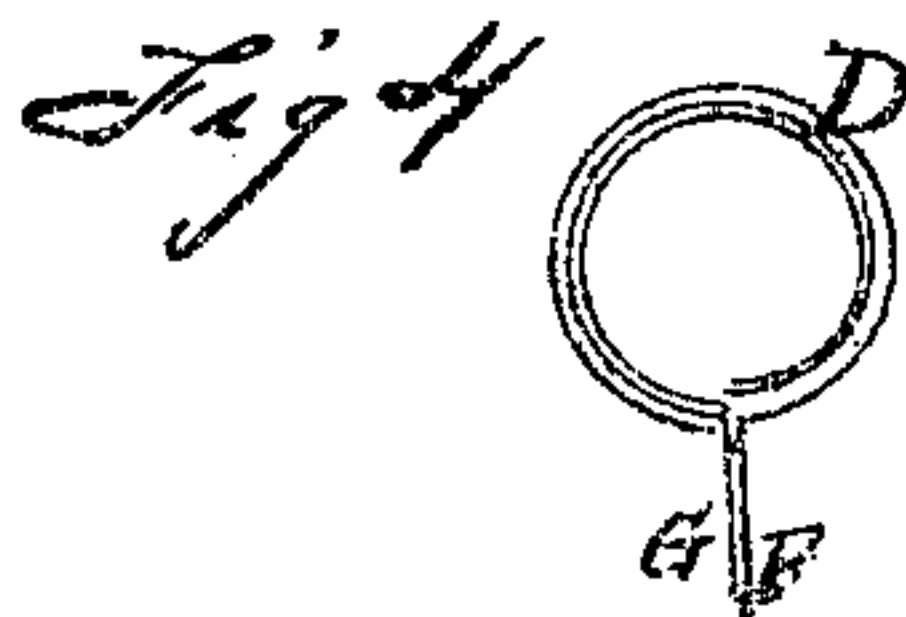
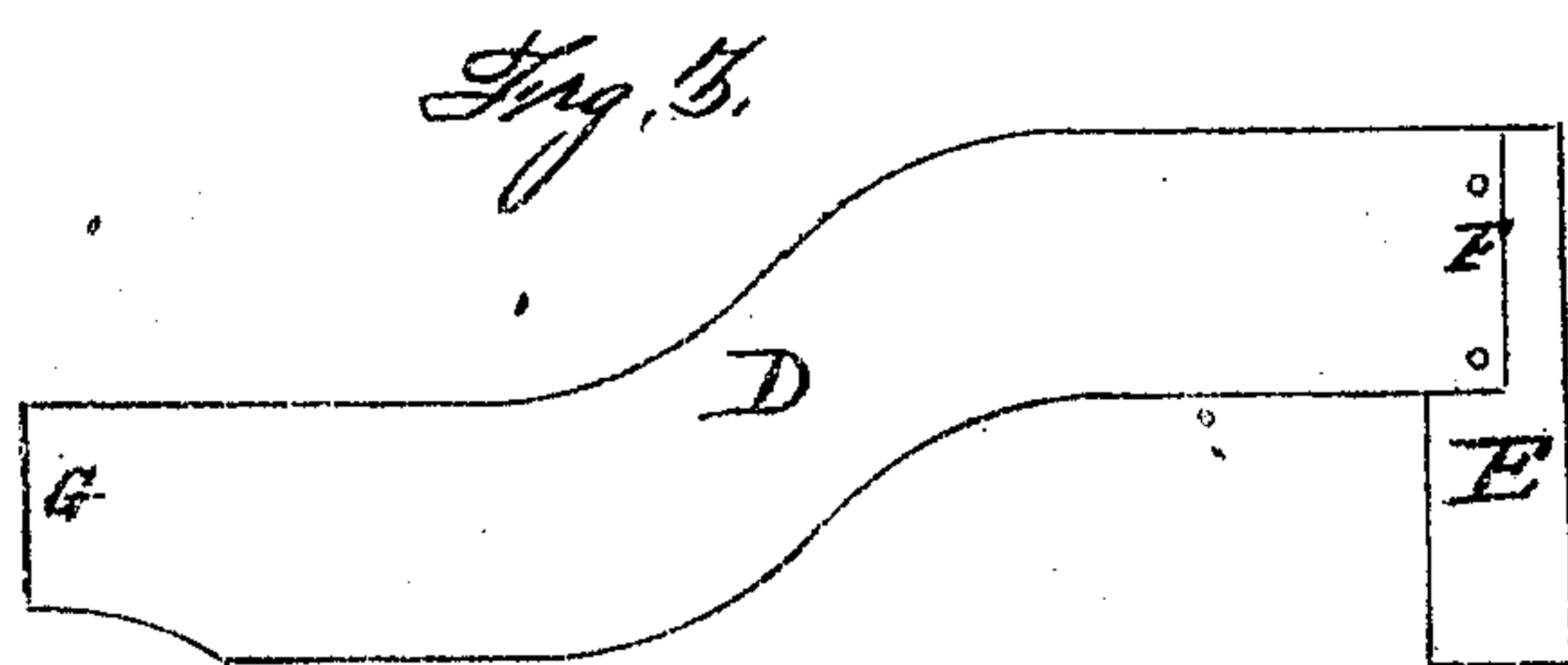
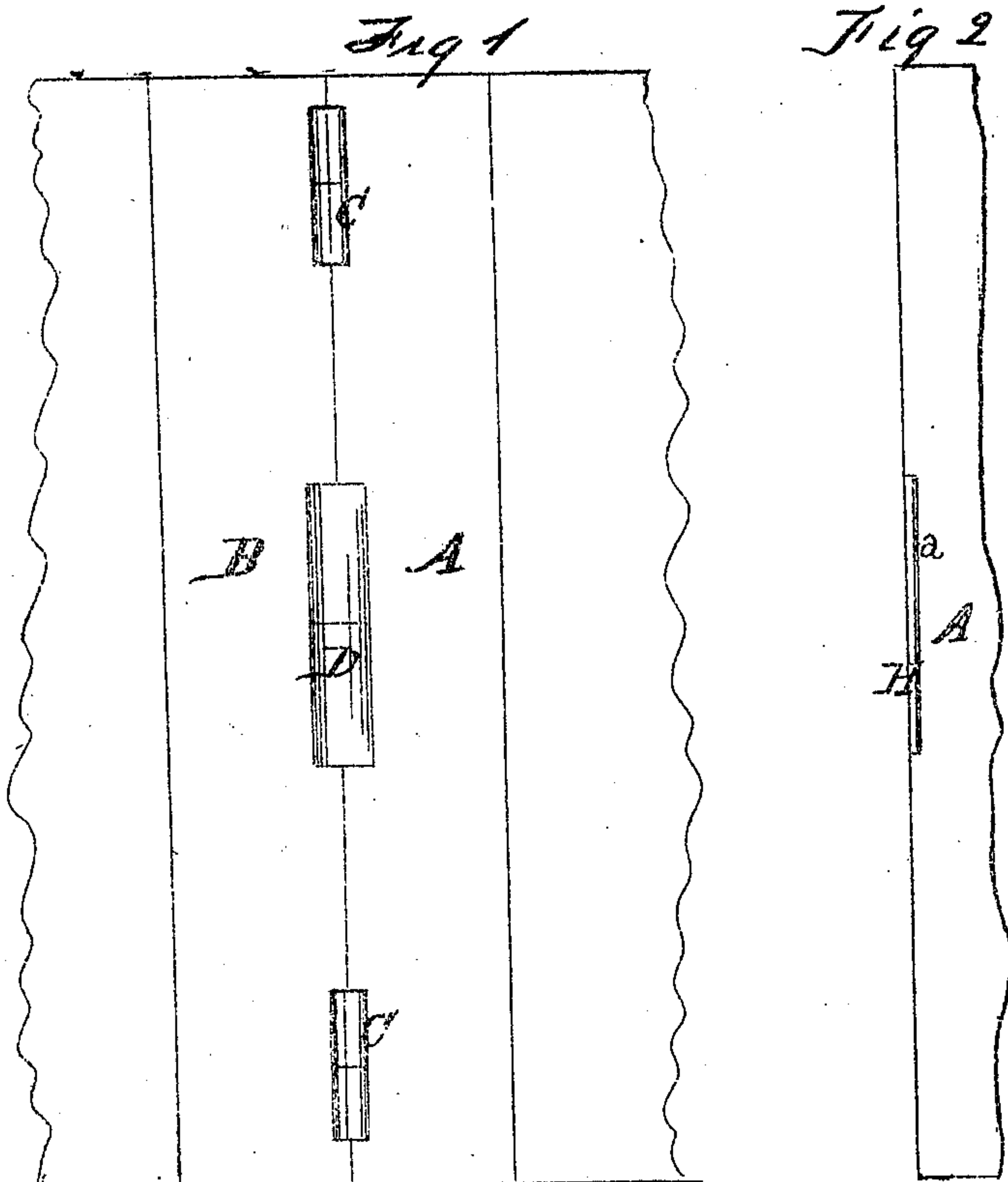


I. C. Prindle.  
73999 Door and Gate Spring

PATENTED  
FEB 4 1868



Witnesses  
A. Hayward,  
Jas. M. M. M.

Inventor,  
I. C. Prindle  
By his attorney  
J. B. Chapman

# United States Patent Office.

L. C. PRINDLE, OF CHICAGO, ILLINOIS.

*Letters Patent No. 73,999, dated February 4, 1868.*

## IMPROVEMENT IN DOOR-SPRINGS.

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, L. C. PRINDLE, of Chicago, in the county of Cook, in the State of Illinois, have invented an Improved Door and Gate-Spring; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is an elevation of my invention as applied to a door.

Figure 2, an elevation of the jamb and the plate which holds one end of the spring in place.

Figure 3, a plan view of the spring before being coiled, and the plate to which it is attached.

Figure 4, an end elevation of the spring after it has been coiled.

The nature of my invention consists in the use of a peculiar-arranged spring, in combination with plates attached to the door and jamb, for the purpose of causing the door to shut after it has been opened, and in constructing said spring and plates so as to be applicable to any common door or gate now in use.

In order to give a correct understanding of my invention, I have marked corresponding parts with similar letters, and will now give a detailed description.

D, fig. 3, represents a plate cut from fine spring-steel, and formed into a coil-shape, as seen at fig. 4, by means of any common machinery used for such a purpose, and in such a manner as will leave the ends G F projecting outward from the coil, as seen in the last-named figure. The end F, I secure to a plate, E, fig. 3, made fast to the jamb B, fig. 1, in the usual manner, and the end G is fitted in a slot, *a*, fig. 2, made between a plate, H, secured to door A, and the gain in which said plate is fitted and secured, and in such a manner that said end G may be raised out of slot *a*, when the door A is to be removed from hinges *c c*, fig. 1, as is now the case when loose joint-butts are used.

This arrangement I consider important, for it can be applied to any common door or gate, and cause the same to shut; and, further, it has an advantage over other springs, from the fact that the end G can be removed from the slot *a*, which will render the spring inoperative, as when a door is used in warm weather.

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

A door and gate-spring cut in the form shown, and coiled so as to have projections F and G, in combination with plates E H, substantially as and for the purposes herein specified.

L. C. PRINDLE.

Witnesses:

G. L. CHAPIN,

A. HAYWARD.