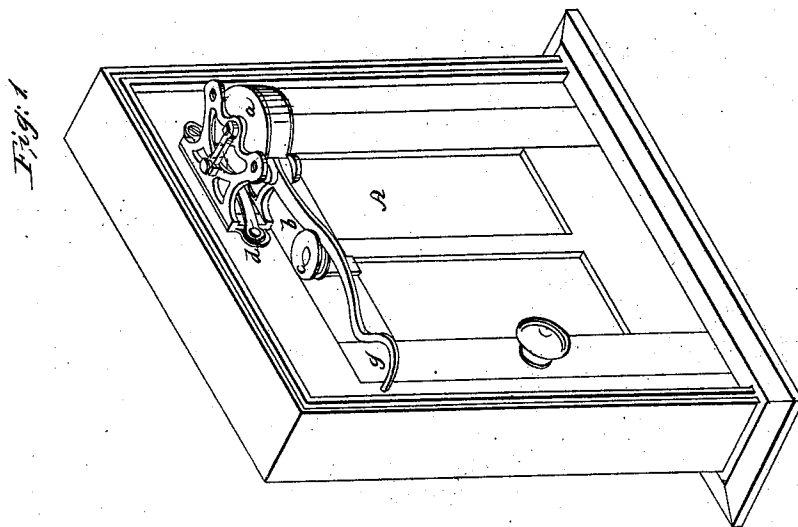
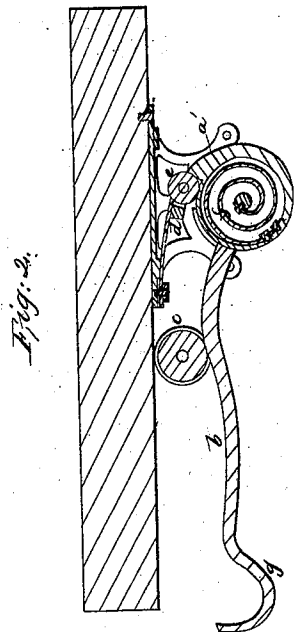


T. Peck,
Door Spring

N^o 5,124.

Patented May 22, 1847.



UNITED STATES PATENT OFFICE.

THOMAS PECK, OF SYRACUSE, NEW YORK.

DOOR-SPRING.

Specification of Letters Patent No. 5,124, dated May 22, 1847.

To all whom it may concern:

Be it known that I, THOMAS PECK, of Syracuse, in the county of Onondaga and State of New York, have invented a new and Improved Door or Gate Spring; and I do hereby declare the following to be a full, clear, and exact description of the construction and operation thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1, is a perspective view of a door and casing with one of my improved springs attached thereto; and Fig. 2, is a horizontal section of the same.

To the casing immediately over a door, I secure in suitable bearings a drum *a*, having a cam *a'*, on its periphery, terminating in a radial shoulder.

b, is a curved lever attached to the periphery of the drum *a*, extending over the top of the door.

f, is a spiral spring placed within and secured to the drum *a*.

e, is a grooved roller placed upon a vertical axle, secured to, and extending above the top of the door. Into the groove in the roller *e*, the lever *b*, fits and plays freely as the door is opened and closed.

d, is a spring placed under the drum *a*, as represented in the drawings, having a

roller *e*, secured at its extremity, which is pressed by the spring against the periphery of the drum.

The operation of my improved door spring is as follows: When the door is left partially open, the lever *b*, acted upon by the spring *f*, presses upon the roller *e*, and closes the door; the instant the door closes, the roller *e*, is sprung against the shoulder of the cam *a'*, and retains the door closed so firmly that blasts or currents of air will not open it. When it is desired to retain the door open, it is thrown back so far as to bring the roller *e*, into the hook *g*, at the end of the lever *b*, which retains the door in that position.

Having thus fully described the construction and operation of my improved door or gate spring, what I claim therein as new and desire to secure by Letters Patent, is—

The spring *d* the roller *e*, and the cam *a'*, on the periphery of the drum *a*, combined and operating with each other and with the spring *f*, lever *b*, and roller *e*, substantially in the manner and for the purpose herein set forth.

THOMAS PECK.

Witnesses:

WM. M. BREWSTER,
I. D. LAMATTE.