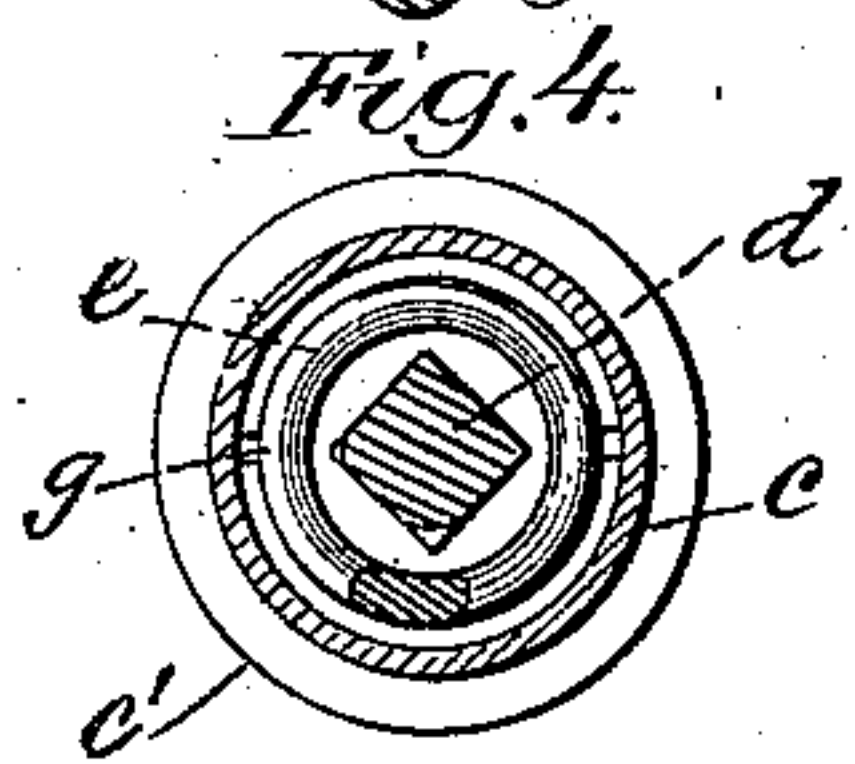
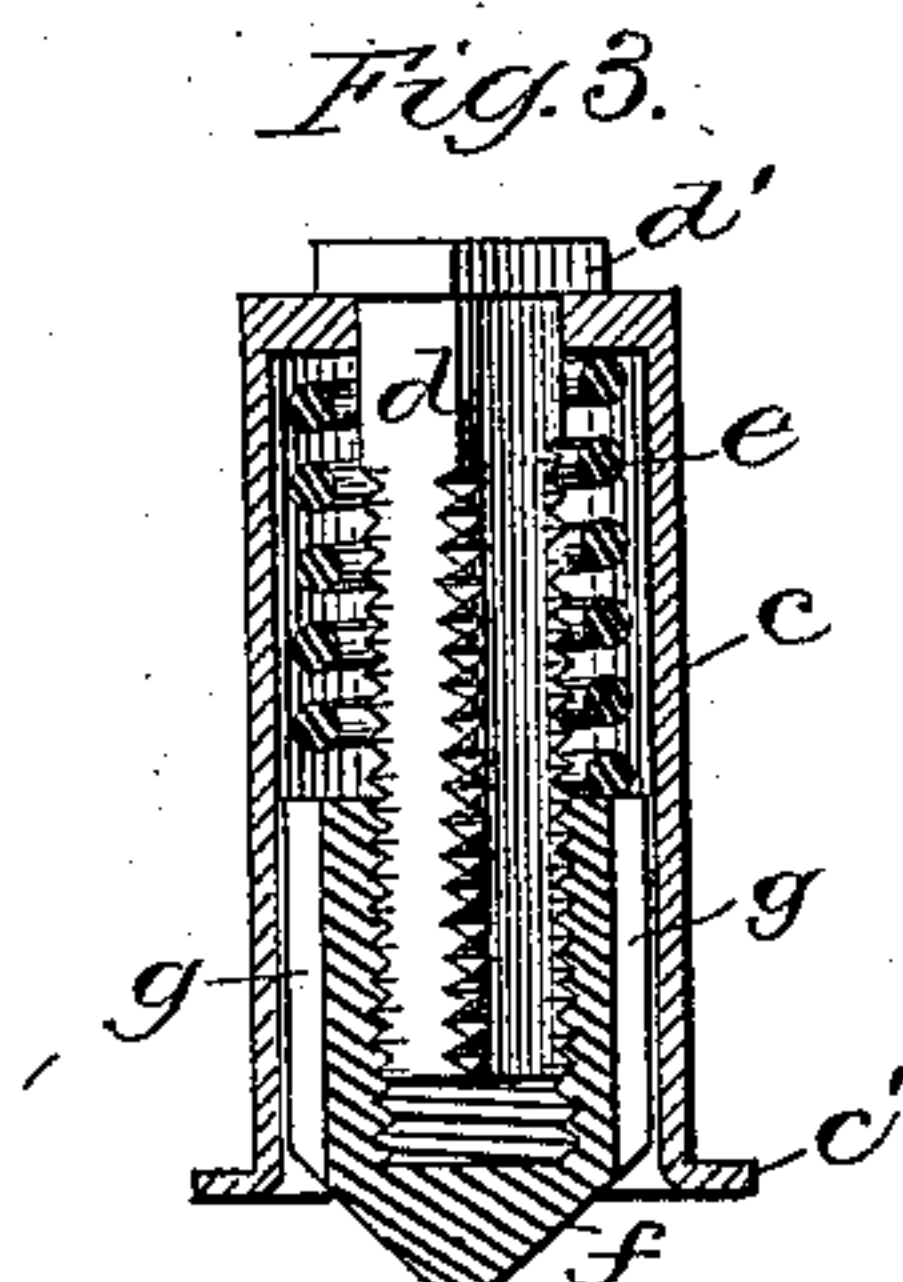
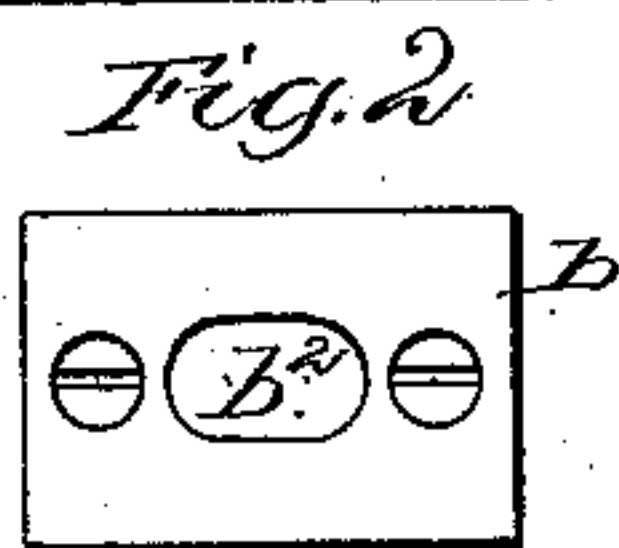
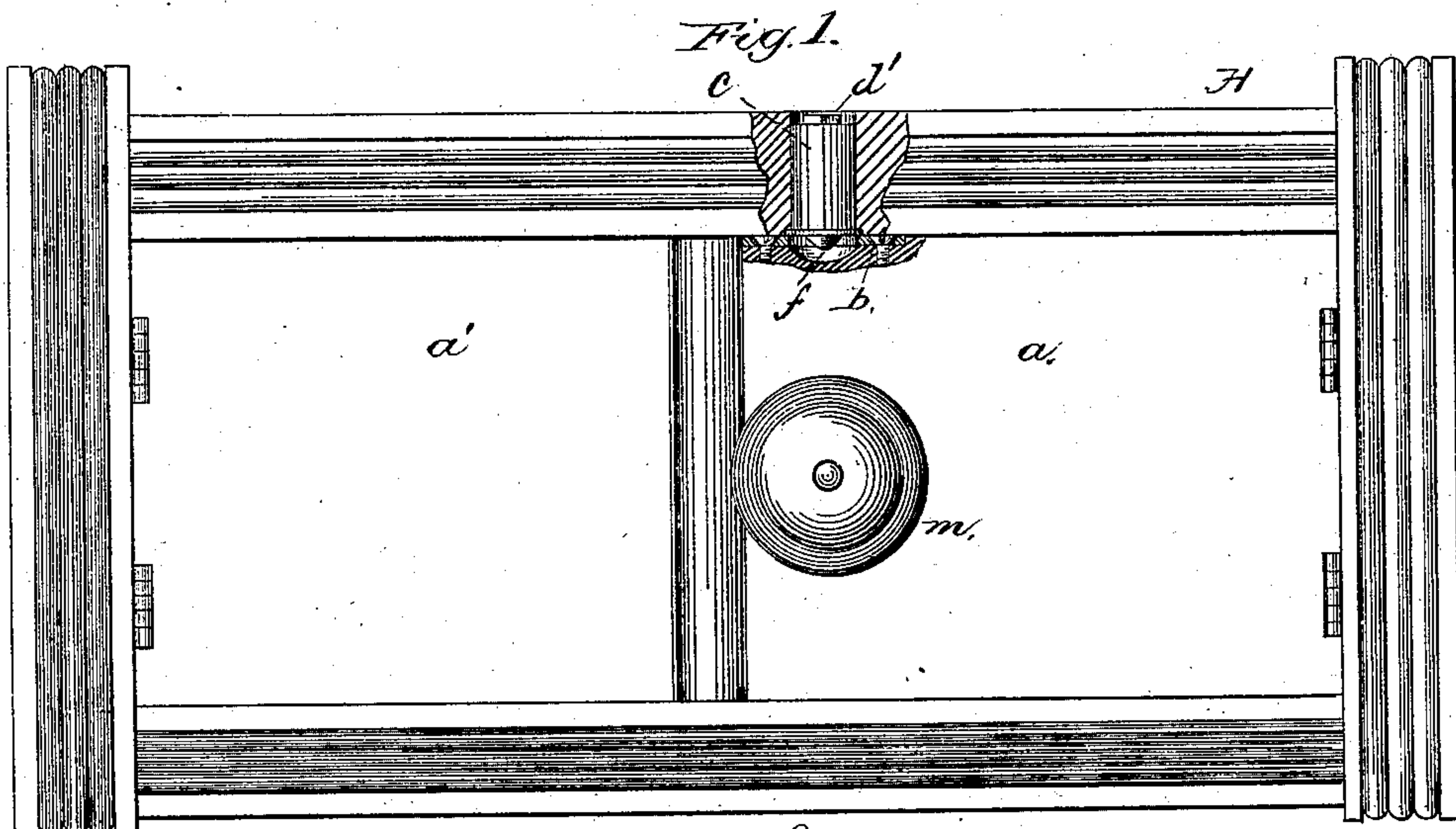


(Model.)

P. FORG.
ADJUSTABLE SPRING BOLT.

No. 256,559.

Patented Apr. 18, 1882.



Witnesses.
Arthur Reynolds
L. F. Connor.

Inventor.
Peter Forg,
by Crosby Gregory
Attys

UNITED STATES PATENT OFFICE.

PETER FORG, OF SOMERVILLE, MASSACHUSETTS.

ADJUSTABLE SPRING-BOLT.

SPECIFICATION forming part of Letters Patent No. 256,559, dated April 18, 1882.

Application filed March 29, 1881. Renewed November 4, 1881. (Model.)

To all whom it may concern:

Be it known that I, PETER FORG, of Somerville, county of Middlesex, State of Massachusetts, have invented a new and useful Improvement in Catches, of which the following description, in connection with the accompanying drawings, is a specification.

This invention relates to catches for wardrobe and other doors, and for general cabinet and carpentry work; and it consists essentially of a case having within it a spring-supported screw-threaded stud provided with an adjustable bolt, substantially as hereinafter described, whereby the extent of the protrusion of the bolt beyond the case may be regulated at will.

Figure 1 represents in front elevation a pair of doors supposed to form part of a wash-stand, the wood-work being somewhat broken out to show the catch and striking-plate. Fig. 2 is a detail of the striking-plate. Fig. 3 is a longitudinal vertical section of the bolt-case, bolt, and spring, the stud being shown in elevation. Fig. 4 is a cross-section of the catch, and Fig. 5 represents a device for adjusting the bolt upon the stud.

In the drawings, *a a'* represent a pair of doors of, say, a wash-stand, only a part of which is shown, the said doors being hinged, so as to be opened or closed. In this instance of my invention the striking-plate *b* is connected with the upper end of the door *a*, and the catch is shown as inserted in a horizontal cross-strip above the door; but it will be understood that this catch may be placed either in the door or at its outer edge or at its bottom, the striking-plate being placed opposite to it, or, if desired, the catch might be placed in any other fixed part of the frame in which the door works, except at that end where it is hinged.

The catch is composed of a case, *c*, preferably a small cylinder having a flanged end, *c'*, a screw-threaded stud, *d*, extended loosely into the case, having a head, *d'*, and the spring *e* and adjustable bolt *f*, secured upon the said stud, the bolt having one or more grooves or openings, *g*, or it may be shoulders, to receive the points *h* of a device, *i*, resembling a fork,

as shown in Fig. 5. The case *c* will preferably be formed by drawing a tube of metal and flanging it, as at *c'*, the case being made round in order that it may be readily and quickly inserted into a hole made by an auger. The stud *d* is free to move longitudinally in case *c* as the conical outer end of the bolt *f* hits the striking-plate *b*, the spring *e* being then compressed and the flanged head *d'* of the stud moving backward away from the inner end of the case.

When the door *a* is closed more or less power will have to be applied to the knob *m* to open the door, the power depending entirely upon the stiffness of the spring *e*, which acts upon the bolt *f*.

By adjusting the bolt *f* out and in upon the screw-threaded portion of the stud *d* more or less of the power of the spring *e* can be utilized to keep the conical end of the bolt pressed into the hole *b²* of the striking-plate *b*, and this adjustment of the bolt, in accordance with my invention, may be quickly and easily made from the outer end of the bolt by the device *i*, the prongs of which may be inserted into the opening *g*, to turn the bolt and screw it off or on the stud *d*, while the square or other irregular surface of the latter near its head is prevented from turning in the case.

I do not broadly claim a beveled bolt pressed or held outwardly by a spring to hold a door closed until by strain on the door the force of the spring is overcome.

I claim—

As an improved article of manufacture, the herein-described catch, composed of the case, the spiral spring, and the screw-threaded stud, extended loosely in the said case and provided with the bolt *f*, made adjustable longitudinally thereon, all substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PETER FORG.

Witnesses:

G. W. GREGORY,
ARTHUR REYNOLDS.