

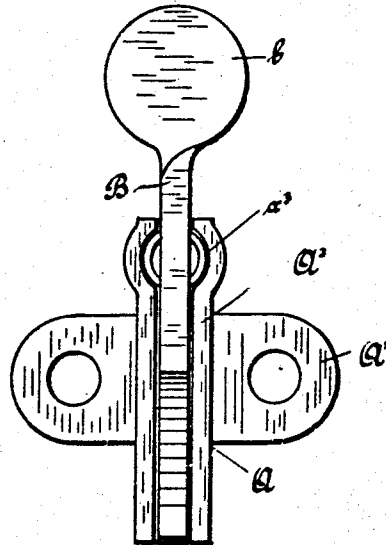
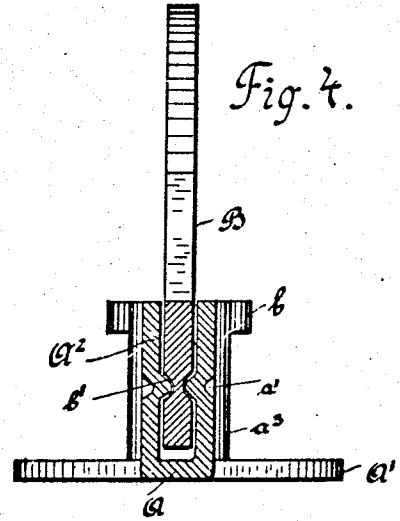
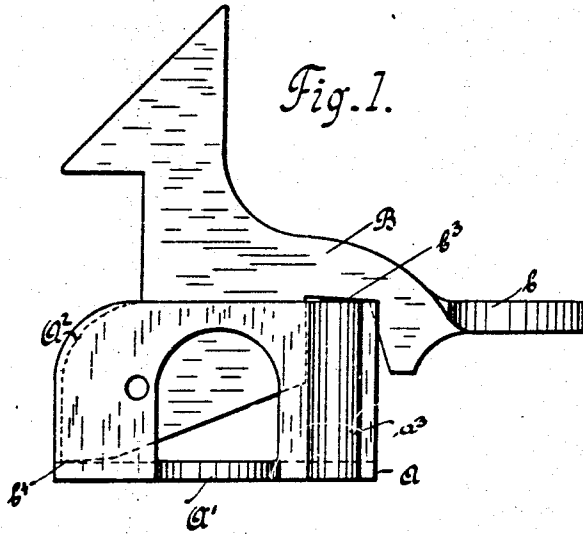
No. 832,020.

PATENTED SEPT. 25, 1906.

H. F. KEIL.
DOOR CATCH.

APPLICATION FILED MAY 15, 1905.

2 SHEETS—SHEET 1.



Witnesses
S. Herzog
Rob. Schwarz

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By his Attorney J. O. Foster

UNITED STATES PATENT OFFICE.

HENRY FRANCIS KEIL, OF BRONXVILLE, NEW YORK.

DOOR-CATCH.

No. 832,020.

Specification of Letters Patent.

Patented Sept. 25, 1906.

Continuation of application Serial No. 217,195, filed July 19, 1904. This application filed May 15, 1905. Serial No. 260,556.

To all whom it may concern:

Be it known that I, HENRY FRANCIS KEIL, a citizen of the United States of America, and a resident of Bronxville, in the county of Westchester and State of New York, certify that I have invented a certain new and useful Door-Catch, of which the following is a specification, the same being a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, this application being a continuation of my former application, Serial No. 217,195, filed July 19, 1904.

This invention relates to devices for holding or retaining articles or keeping the same in an inactive relation, and in particular for means for holding movable or swinging doors, gates, or analogous articles in a closed position and which is designated by me as a "door-catch;" and it has for its object the production of an article of the class described simple in construction, inexpensive to manufacture, and efficient in practical use.

With this object in view the invention consists in certain novel features of construction and arrangement of parts, all of which will be hereinafter described, and pointed out in the drawings, in which—

Figure 1 represents a side elevation of a door-catch made according to my invention. Fig. 2 is a plan view, and Fig. 3 is a rear elevation of the same. Fig. 4 is a view in section through the pivot, and Fig. 5 is a view in section through the latch adjacent to the spring; and Fig. 6 is a view in section of another article constructed according to my invention, showing my latch and base-plate connected by a rivet.

Referring particularly to the drawings, A denotes the base-plate of my door-catch, made from sheet metal and formed with two integral lateral projections or wings A', located in the horizontal plane of the said base-plate and also constructed with two parallel and vertical integral parts A², which are formed with means whereby the latch may be pivoted and retained therein in working position, as projections a' in Fig. 4 or a hole a² in Fig. 6, the said upbent parts also having two vertically-disposed grooves or recessed portions a³ to contain a spring D, which

serves to hold the latch in its proper normal position.

The latch B is provided with oppositely-disposed hollows, cavities, or recessed portions or openings in the two faces thereof, as shown in Fig. 4, indentations b', which coact with the projections a', or, as shown in Fig. 5, a hole which is adapted to receive a rivet C, said rivet being supported by the members A², so as to form a pivoted bearing for said latch. The said latch B also has a slot or recessed portion b³, the upper part and sides of which slot constitute, together with the vertical grooves a³ and bottom of the base-plate, a chamber for the spring D. The end b of the latch B, which forms the handle thereof, is bent at an angle to the plane of the said latch and also serves to limit the downward movement of the rear portion of the latch, while the front portion or nose b⁴ of the same serves as a means of affording a stop for the forward movement of the latch.

Having thus particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, it being kept in mind that in law the substitution of equivalents works no variation in the substance of the same, I would have it understood that what I claim as my invention is—

1. In a door-catch made of sheet metal, a latch formed with oppositely-disposed hollows in the two faces thereof, in combination with a base-plate having two parallel portions bent up vertically to contain the latch, means to engage the said recessed portions or openings, the two upbent parts having oppositely-disposed vertical grooves or recessed portions to contain a spring, and also with a spring to engage therewith and also with the latch.

2. In a door-catch made of sheet metal, a latch, a base-plate having two parallel portions bent up vertically, and means to engage the latch, the two upbent parts also having two oppositely-disposed grooves or recessed portions to contain a spring located between the latch and the base-plate.

3. In a door-catch made of sheet metal, a latch formed with a slot or recess and two oppositely-disposed indentations on the two faces thereof, in combination with a base-plate having two portions bent up vertically

to contain the latch and having two projec-
tions to engage the said indentions, whereby
the latch may be pivoted without the use of
a spindle, the two upbent parts having op-
5 positely-disposed grooves or recesses.

In testimony of the foregoing specification
I do hereby sign the same, in the city of New

York, county and State of New York, this
10th day of May, 1905.

HENRY FRANCIS KEIL.

Witnesses:

JOSEPH FETYK,
DIEDRICH STEGEN.