E. W. BASSICK.

SPRING LATCH.

APPLICATION FILED AUG. 11, 1911.

1,019,216. Patented Mar. 5, 1912.

Fig. 1.

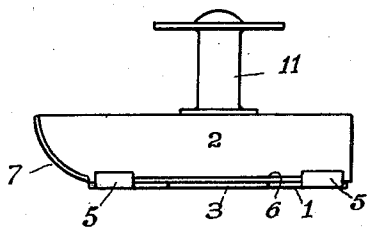


Fig. 2

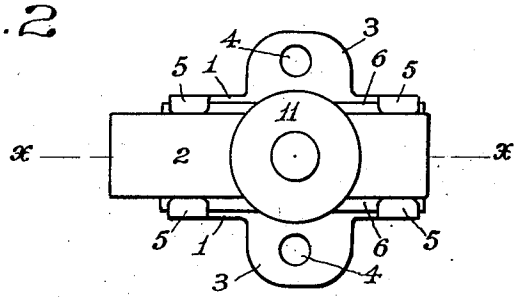


Fig. 3.

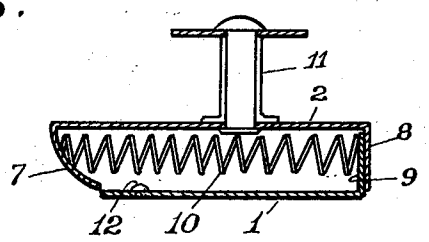


Fig. 4.

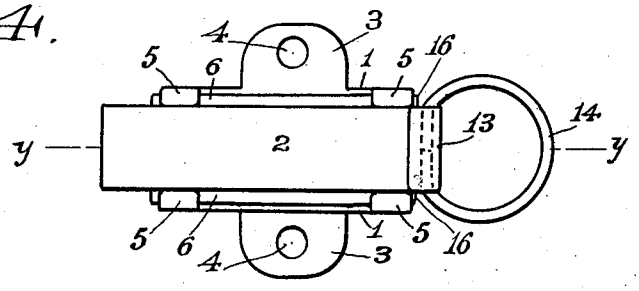
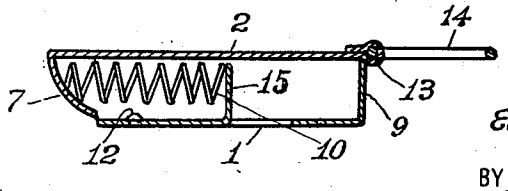


Fig. 5.



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EDGAR W. BASSICK, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE BURNS & BASSICK COMPANY, OF BRIDGEPORT, CONNECTICUT, A CORPORATION OF CONNECTICUT.

SPRING-LATCH.

1,019,216. Specification of Letters Patent. Patented Mar. 5, 1912.

Application filed August 11, 1911. Serial No. 643,560.

To all whom it may concern:

Be it known that I, EDGAR W. BASSICK, a citizen of the United States, residing in the city of Bridgeport, county of Fairfield, and State of Connecticut, have invented certain new and useful Improvements in Spring-Latches; and I do declare the following to be 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.

My invention relates to certain improvements in spring latches, and has for its object to produce a very simple and effective device of this description, and my invention consists in certain details of construction hereinafter fully set forth and then particularly pointed out in the claims which conclude this description.

In the accompanying drawing Figure 1 is a side elevation of my improved latch—Fig. 2 a plan view—Fig. 3 a sectional elevation at the line *x*, *x*, of Fig. 2—Fig. 4 a plan view of a modified form of my improvement, and Fig. 5 a sectional elevation at the line *y*, *y*, of Fig. 4.

Similar numerals of reference denote like parts in the several figures of the drawing.

My improvement comprises a base portion 1 and a casing or housing 2, the base having oppositely extending ears 3 that are perforated at 4 whereby the said base may be secured to a door by means of screws or the like, and lips 5 are formed at the ends of the base and are curled inwardly and within these lips extend flanges 6 which project outwardly from the bottom edge of the casing 2 the flanges 6 being capable of sliding freely through the lips 5 said flanges being formed integral with the casing.

The top wall at the front end of the casing is bent downwardly and inwardly to form a beveled nose 7, while the rear end of this wall is bent downwardly at right angles as shown at 8 for the purpose presently to be explained.

The rear end of the base 1 is bent upwardly at right angles as shown at 9, and between this part 9 and the inner wall of the nose 7 is confined a coil spring 10.

11 is any suitable handle or button secured to the top of the casing 2 for purposes of ready manipulation, and when the casing is forced rearwardly the coil spring will be compressed owing to the shortening of the distance between the nose 7 and the part 9, and when the casing is released the spring will throw it forward to normal position, and the part 8 will abut against the part 9 thus affording a stop to limit the forward throw of the casing.

12 is a small teat or projection formed by forcing the stock of the base inwardly, and the lower edge of the nose 7 will abut against this teat when the casing is retracted and thereby afford a stop to limit the rearward movement of said casing.

It will be observed that my improvement is exceedingly simple in that the base and the casing are each made of an integral piece of sheet metal and are confined together in proper engagement without the use of any extra parts, and therefore the device consists merely of three parts, namely, the base, the casing, and the spring, the handle 11 being a mere auxiliary part.

Instead of having the handle secured to the top casing the rear end of the latter may be curled around as shown at 13 in Figs. 4 and 5 and a ring 14 contained within this curled portion thus equipping my improvement for use in a vertical plane so that a chain or cord may be attached to the ring and suspended within convenient reach. Also, a lip 15 may be lanced and turned up from the base and the spring confined between said lip and the nose 7, as shown at Fig. 5, and I therefore do not wish to be limited to any special manner of confining said spring.

In the construction shown at Figs. 4 and 5, in order to prevent any overshooting of the casing, any suitable stop 16 is provided at the bottom of the casing which stop abuts against the neighboring lip 5. But I do not wish to be limited to any nature or location of stop since this may be varied without departing from the spirit of my invention.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

1. A device of the character described, comprising an integral flat base portion having inwardly turned lips and having a part bent upwardly to form an abutment, an integral bolt having downwardly extending sides that terminate in lateral flanges adapted to slidably engage said lips and also having its forward extremity bent downwardly and inwardly to form a beveled

nose, and a coil spring confined between said abutment and nose.

2. In a device of the character described, the combination of an integral base having lips formed at its side edges and having a portion bent upwardly at substantially right angles to provide an abutment, an integral bolt element consisting of a casing having downwardly extending sides that terminate in flanges adapted to engage said lips whereby said base and casing are slidably connected said casing having its forward end bent downwardly and inwardly to form a beveled nose while its rear extremity is provided with a stop adapted to abut against the base to limit the forward movement of the bolt element, a coil spring within the bolt element and confined between said nose and abutment, and suitable means connected with the bolt element for the ready manipulation of the same.

3. In a device of the character described, the combination of an integral base having lips formed at its side edges and having its rear edge bent upwardly at right angles and provided with a stop extending upwardly near the forward end of said base, an integral casing provided with laterally extending flanges at its base portions adapted to engage said lips whereby said base and casing are slidably connected, said casing having its forward end bent downwardly and inwardly to form a beveled nose while its rear end is bent downwardly at right angles and is adapted to abut against the outer surface of the rectangular bent portion of the base, a coil spring within the casing and confined between said nose and the rectangular bent portion of the base, and suitable means connected with the casing for the ready manipulation of the same.

In testimony whereof I affix my signature in presence of two witnesses.

EDGAR W. BASSICK.

Witnesses:
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