

No. 779,355.

PATENTED JAN. 3, 1905.

F. FESSLER.
SPRING LATCH.

APPLICATION FILED APR. 23, 1904.

Fig. 1.

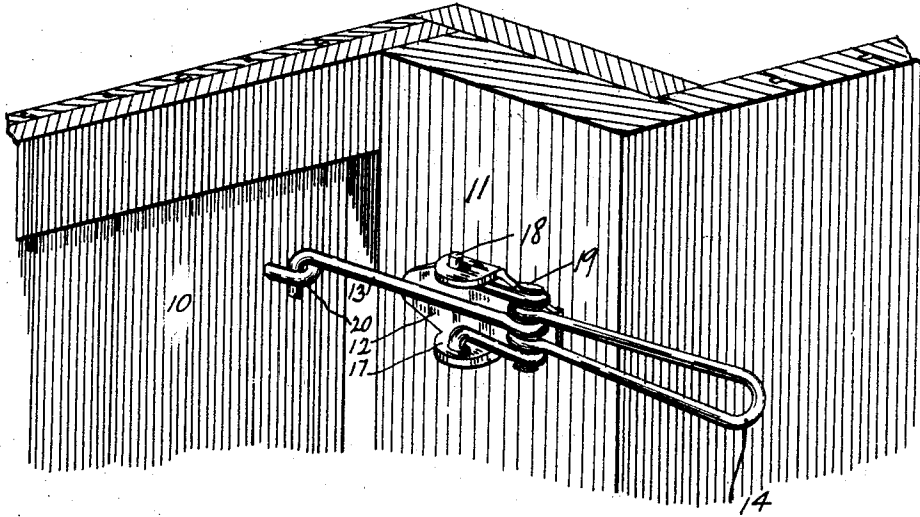


Fig. 2.

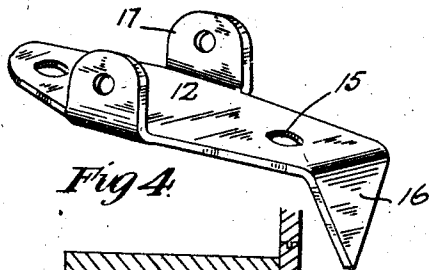


Fig. 3.

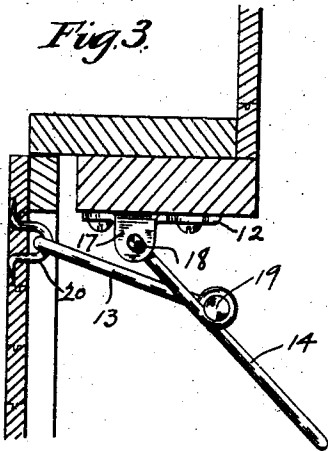
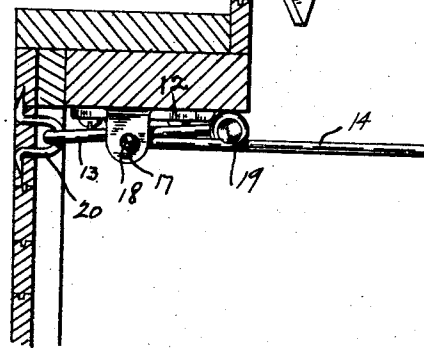


Fig. 4.



Witnesses
Carl Krausmann
R. P. Kirby.

Inventor
Frederick Fessler,
By V. H. Lockwood
Attorney

UNITED STATES PATENT OFFICE.

FREDERICK FESSLER, OF INDIANAPOLIS, INDIANA.

SPRING-LATCH.

SPECIFICATION forming part of Letters Patent No. 779,355, dated January 3, 1905.

Application filed April 23, 1904. Serial No. 204,525.

To all whom it may concern:

Be it known that I, FREDERICK FESSLER, of Indianapolis, county of Marion, and State of Indiana, have invented a certain new and useful Spring-Latch; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, in which like figures refer to like parts.

The object of this invention is to provide convenient and practical means that is at the same time very simple and cheap for holding closed stable-doors and the like.

The nature of this invention will be understood from the accompanying drawings and the following description and claims.

In the drawings, Figure 1 is a perspective view of a portion of a building or similar structure with the spring-latch in place, parts broken away. Fig. 2 is a perspective view of the base-plate of the spring-latch. Fig. 3 shows a plan view of the spring-latch with the parts of the building in horizontal section, the spring-latch being loose. Fig. 4 is the same as Fig. 3, showing the spring-latch tightened.

In the drawings, 10 represents a door, such as one would find in connection with a stable or similar building, and 11 is the door-casing.

The spring-latch consists of three parts—a base-plate 12, a latch 13, and a lever 14. The base-plate 12 consists of a plate with suitable screw-holes 15 for securing it to the casing 11 of the building adjacent the door to be held. It also has an intumed point 16, that may be driven into the door-casing for assisting and holding it in place. It has two oppositely-placed ears 17, perforated, and through the perforations the ends 18 of the lever 14 are fulcrumed.

The lever 14 consists of a strong wire bent in the middle and near each end coiled once about a pin 19 and at each end turned at a right angle outward to form the ends 18, that are fulcrumed in the ears 17. The coils about the pin 19 are preferably loose enough to give to the ends of the lever 14 some yielding

movement. Between the arms of the lever 14 the hook 13 is pivoted on the pin 19. The hook is adapted to be caught into engagement with a staple 20, secured to the door 10. The hook is of such length or the plate 12 is so located on the door-casing as to require considerable force comparatively to push the lever 14 in against the door-casing so as to move the hook 13 past the fulcrum-point of the ends 18 of the lever, as shown in Fig. 4. The spring-latch is in its loose position in Fig. 3. Then the hook 13 is outside or beyond the fulcrum-point. The result is that the door is held very tightly, and the spring-latch is easily manipulated for opening and closing the door.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A spring-latch including a hook adapted to engage the thing to be held in place, a lever formed of spring-wire bent in the middle loop-like, and with its sides parallel and the extreme ends turned at a right angle in opposite directions, a pin about which the sides of the lever are coiled and to which the end of the hook is connected between the sides of the lever, and means for pivotally mounting the ends of said lever.

2. A spring-latch consisting of a base-plate adapted to secure the spring-latch in place and having a pair of outwardly-extending ears perforated, a lever formed of wire bent in the middle with the two sides parallel and the extreme ends turned outwardly and fulcrumed in said ears, a pin about which the two sides of the lever are coiled between their ends, and a wire hook connected with said pin between the sides of the lever at one end and at the other end adapted to engage the thing to be held.

In witness whereof I have hereunto affixed my signature in the presence of the witnesses herein named.

FREDERICK FESSLER.

Witnesses:

N. ALLEMONG,
G. FOLTZ.