

No. 775,854.

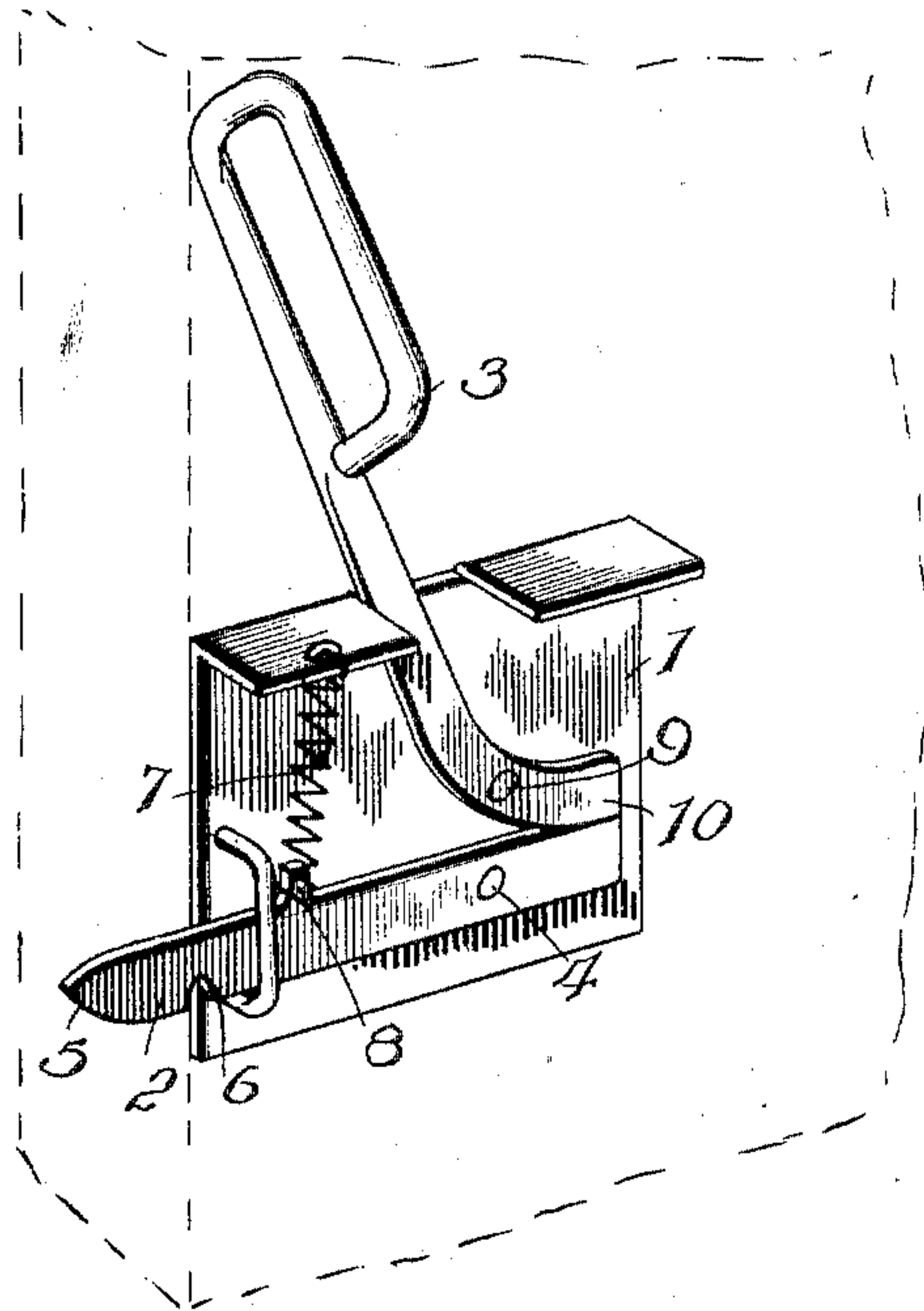
PATENTED NOV. 22, 1904

R. F. PINEGAR.

DOOR LATCH.

APPLICATION FILED FEB. 1, 1904.

NO MODEL.



Inventor

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UNITED STATES PATENT OFFICE.

ROBERT F. PINEGAR, OF OAKWOOD, ILLINOIS.

DOOR-LATCH.

SPECIFICATION forming part of Letters Patent No. 775,854, dated November 22, 1904.

Application filed February 1, 1904. Serial No. 191,566. (No model.)

To all whom it may concern:

Be it known that I, ROBERT F. PINEGAR, a citizen of the United States, residing at Oakwood, in the county of Vermilion and State of Illinois, have invented certain new and useful Improvements in Door-Latches, of which the following is a specification.

This invention relates to improvements in latches particularly adapted for use on sliding doors, the object of the invention being to provide a device of this class admitting of simultaneous opening of the door and disengagement of the latch.

The invention is advantageously used in connection with doors of closed vehicles where it is desirable to utilize the same handle means for opening or closing the door and effecting the disengagement or unlocking thereof at the same time.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawing.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawing, in which the figure is a perspective view showing the construction of my latch.

Corresponding and like parts are referred to in the following description and indicated in the drawing by the same reference characters.

The invention when applied to one side of a sliding door only consists of the casing 1, the latch member 2, and the operating-handle 3. The latch 2 is pivoted at a point between its ends, as shown at 4, and is adapted for locking engagement in a manner readily apparent. The outer end of the latch 2 is beveled, as at 5, in the usual manner and is provided with a notch 6 to engage the locking parts of the door-casing. The spring 7 normally holds the latch-bar 2 in locking engagement, said spring being interposed between the upper portion of

the casing 1 and the latch-bar 6. To prevent disengagement of the spring 7 from the latch-bar, the latter is provided with a lug 8, receiving one end of the coil-spring 7. The handle 3 is pivoted to the casing 1 at its lower portion, as shown at 9, and is provided at its lower end with an integral angular extension 10, which coöperates with the inner end of the latch-bar 2 to effect a rocking disengaging movement of the latch-bar when the handle is actuated. The extension 10 forms a tumbler adapted to engage the latch-bar, as above described. The casing 1 may be closed by a face-plate in the usual manner.

The latch-bar and operating-handle and the engaging extension, which is integrally formed with the handle, comprise two parts only of the device, and the body portions of the handle and the latch-bar are located in the same relative plane and are adapted for movement in the same relative plane. The structure of the two parts, as shown most clearly in the drawing, is exceedingly simple and may be very cheaply produced as regards the cost of manufacture thereof. The tilting of the handle 3 is accomplished by pressure thereagainst, and the said pressure forces the door open as well as disengaging the latch-bar 2. The latch mechanism is very simply constructed and is adapted for broad application to sliding doors for the purposes before set forth.

Having thus described the invention, what is claimed as new is—

In a latch device of the class described, the combination of a casing, a horizontally-disposed latch-bar mounted in the casing and pivoted between its ends to the said casing, one of the ends of the latch-bar being extended without the casing and provided with a hook forming an engaging member, the opposite end of the latch-bar constituting an engaging portion, a handle extending through the upper portion of the casing and having its lower end extended rearwardly to form an integral engaging extension coöperating with the engaging portion of the latch-bar, a pivot-pin

disposed adjacent the engaging extension of
the handle and forming a support for the said
handle, and a spring disposed between the up-
per portion of the casing and the latch-bar
5 adjacent the hook member thereof and nor-
mally holding the latch-bar in an ascertained
position.

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

ROBERT F. PINEGAR. [L. s.]

Witnesses:

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