

No. 675,809.

Patented June 4, 1901.

E. BITTNER.
SASH FASTENER.

(Application filed May 15, 1900.)

(No Model.)

Fig. 1.

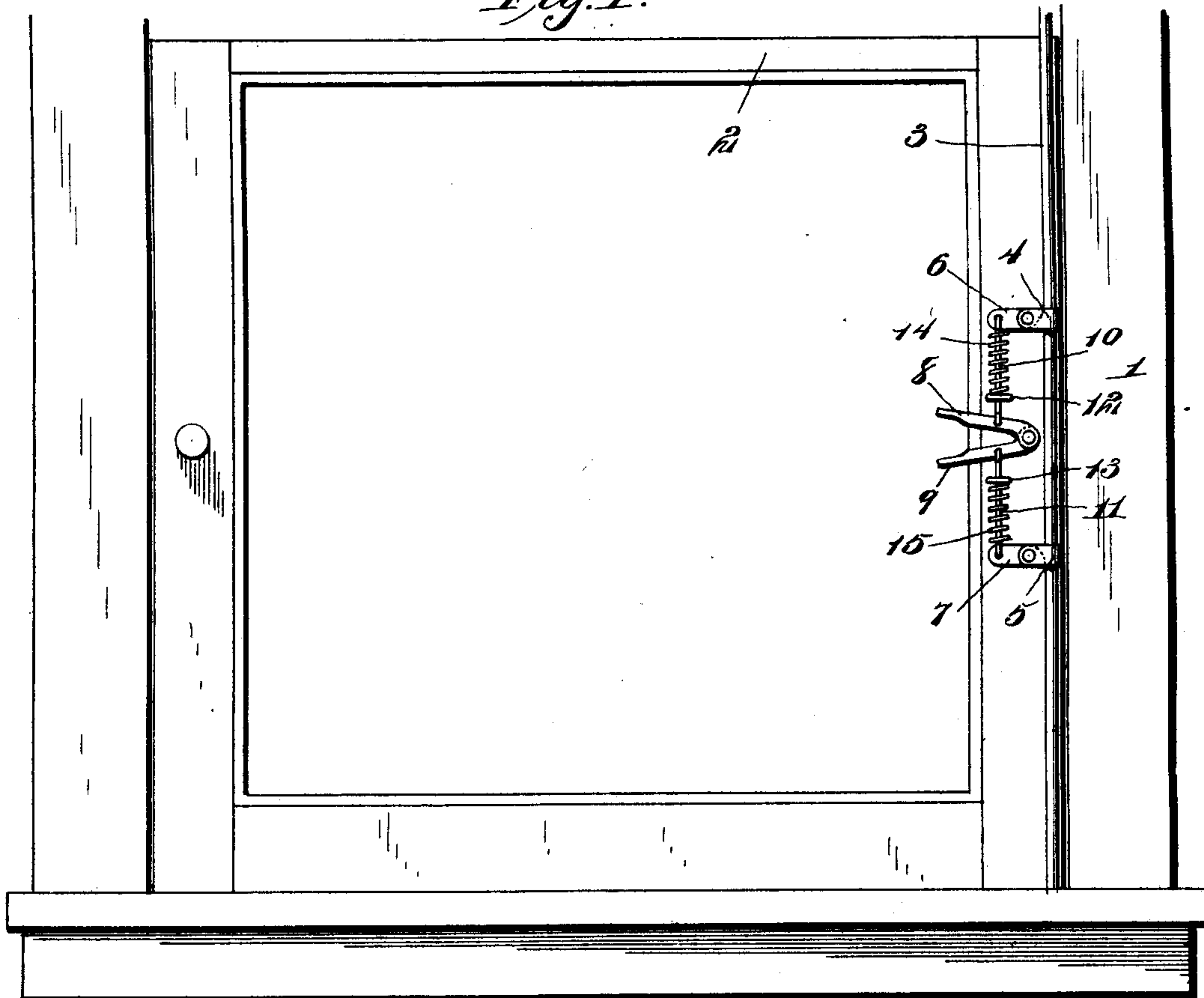
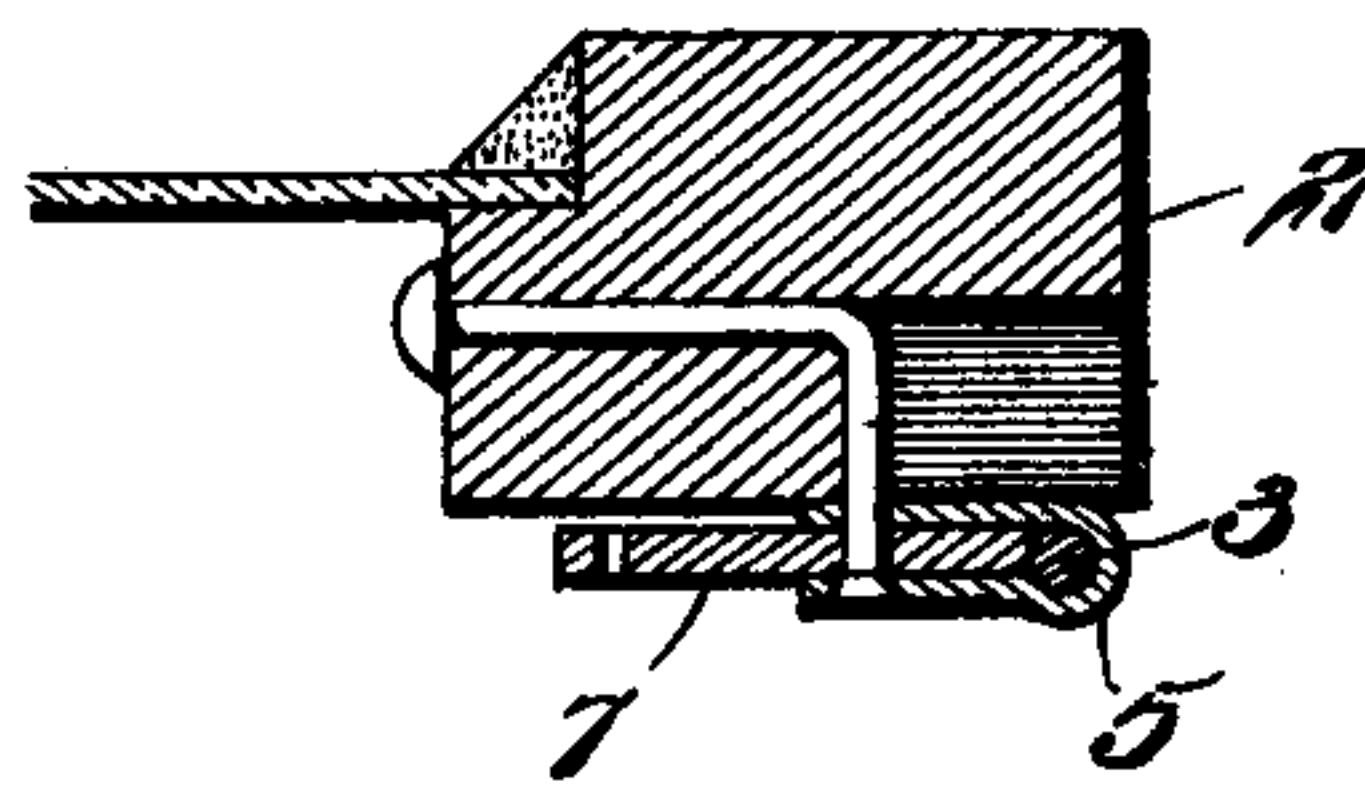


Fig. 2.



Witnesses

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EMANUEL BITTNER, OF HARBINE, NEBRASKA.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 675,809, dated June 4, 1901.

Application filed May 15, 1900. Serial No. 16,791. (No model.)

To all whom it may concern:

Be it known that I, EMANUEL BITTNER, a citizen of the United States, residing at Harbine, in the county of Jefferson and State of Nebraska, have invented certain new and useful Improvements in Sash, Door, or Gate Hinges, of which the following is a specification.

This invention relates to a device adapted to be used as a sash, door, or gate hinge, whereby the article to which it is attached may be conveniently elevated or lowered without detaching any of the component parts.

The object of the invention is to provide a more simple, durable, and efficient device of the character described than has heretofore been produced.

The peculiar constructions and novel combinations of parts of my invention will be clearly disclosed in the following description, recited in the appended claim, and illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of a window-sash to which my invention has been applied. Fig. 2 is a cross-section on the line 2 2 of Fig. 1.

Referring now to the drawings by reference-numerals, 1 designates a side of a window-frame or vertical support, and 2 represents a window-sash or other swinging member.

3 designates a vertically-arranged rod of metal parallel with but spaced apart from the support in any suitable manner.

The gate or window-sash 2 is securely fastened to but slidable upon the rod 3 by two loops 4 and 5, each of which is positioned at convenient points upon the gate or sash.

Within the respective loops 4 and 5 I arrange oppositely-disposed cam-levers 6 and 7, pivotally secured, so that their extreme ends will be caused to impinge upon the rod to lock the swinging member 2 thereto. Intermediate these levers and at a point about midway between their position on the swinging member I pivot the ends of two oppositely-operating arms or levers 8 and 9 and connect the same with the ends of the cam-levers by connecting-rods 10 and 11, respectively. These rods 10

and 11 pass through suitable screw-eyes 12 and 13, against which bear coil-springs 14 and 15, one end of each spring also bearing against one of the levers 6 and 7.

When it is desirable to adjust the vertical member 2 vertically, the operator presses upon the free ends of the levers 8 and 9 to bring them together, which action causes the cam ends of the levers 7 and 8 to be thrown out of engagement with the rod 3. Pressure can then be exerted to raise the swinging member 2 to the desired position. As soon as the predetermined adjustment is attained the operator will release the levers 8 and 9, and the swinging member will be retained in position because the cam ends of the levers 6 and 7 will impinge upon the rod 3 sufficiently to prevent the member 2 from slipping down.

While I have specifically described what to me at this time appears to be the very best means of accomplishing the desired result, I would have it understood that I do not limit myself to the exact construction shown, but reserve the right to make such changes and alterations as would properly come within the scope of the appended claim without departing from the spirit thereof.

I claim—

A sash-fastener as herein described, comprising the combination with a vertical rod and its support; of a swinging member, loops secured to the said swinging member and embracing the rod, cam-levers pivoted in the loops, a second set of levers having their ends pivotally connected to each other, connecting-bars between the levers in the loops and the second set of levers, and springs on the connecting-bars adapted to normally hold the cam-levers in engagement with the vertical rod.

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

EMANUEL BITTNER.

Witnesses:

GEO. H. EDWARDS,
J. R. CARPENTER.