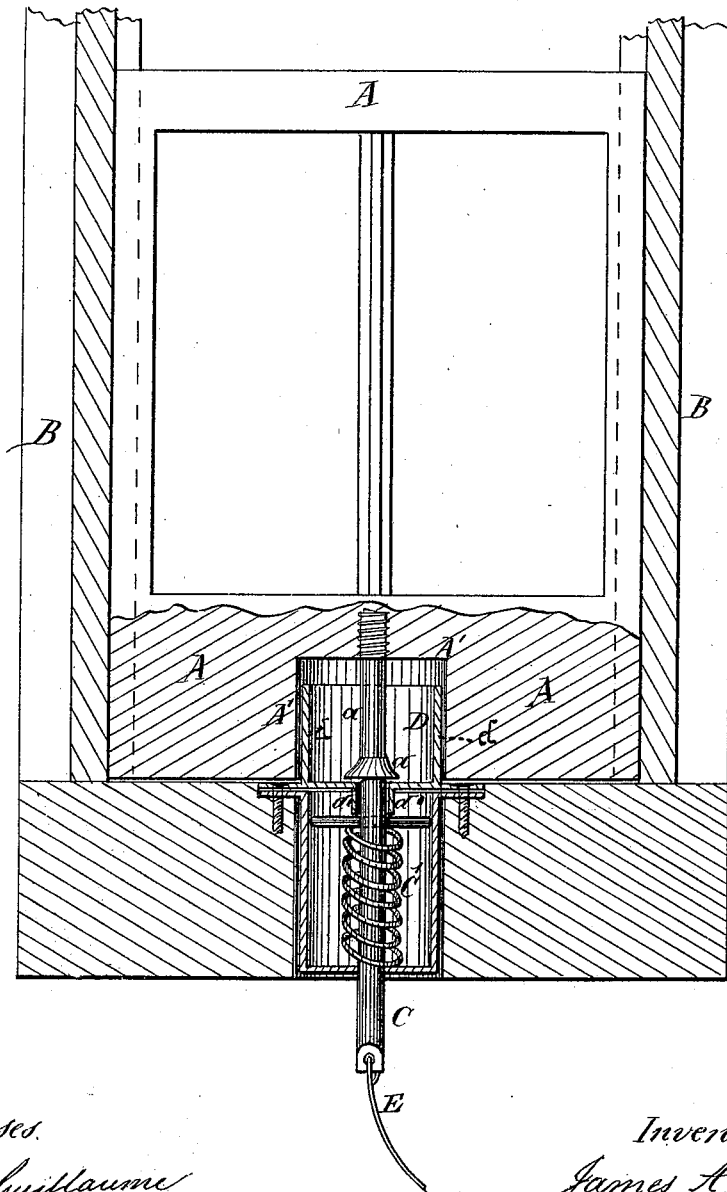


J. A. WEED.  
Burglar-Alarm.

No. 169,214.

Patented Oct. 26, 1875.



Witnesses.  
Henri Guillaume  
Charles Jacobson

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att'y.

# UNITED STATES PATENT OFFICE.

JAMES A. WEED, OF BINGHAMTON, NEW YORK.

## IMPROVEMENT IN BURGLAR-ALARMS.

Specification forming part of Letters Patent No. **169,214**, dated October 26, 1875; application filed July 12, 1875.

*To all whom it may concern:*

Be it known that I, JAMES A. WEED, of Binghamton, in the county of Broome and State of New York, have invented a new and useful Improvement in Burglar-Alarms, of which the following is a specification, reference being had to the accompanying drawings.

A is the sash mounted in a window-casing, B B, which may be of any usual or approved construction. C is a bar or pin arranged to slide vertically in the sill of the window. C' is a spring, which presses bar C upward through the sill. In practice I usually prefer to inclose the bar and spring by a socket, but in some cases it may be only necessary to employ the cap-piece D, provided with the socket or thimble *d*, for a purpose which will soon be explained. The sash A is recessed, as at A', to receive the thimble *d*, and is further provided with a stud, *a*, located centrally within the socket A'. E is a wire leading from the lower end of the bar C to either the tripping-lever of an alarm-bell, or, when electric signals are employed, to any of the well-known circuit-closers.

By an inspection of the drawings it will be readily seen that when the sash is shut down upon the sill the stud *a* will press down the sliding bar C, and that when the sash is raised the bar will be thrown up, pulling upon the wire E and giving the alarm.

It will be observed that as the bar C is surrounded by the thimble no access can be had to the bar (for the purpose of interfering with its operation) until the sash shall have been raised above the top of the thimble.

I propose to make this thimble of chilled iron, or some other specially hard or hardened metal, in order that it shall not be destroyed by a person who might wish to tamper with bar C.

A number of wires from different windows may be run to a convenient point, and there be made to strike a single bell, at which place they may be detached from the striking apparatus during the day, and connected only at night.

I do not in this application claim connecting the wires running from several windows to a central alarm-bell, as I prefer to embrace that feature in a separate application which I am about to file; nor do I wish to be limited to placing the thimble or socket *d* above the surface of the sill, as this invention consists essentially in arranging the pin or bar C within a socket, and then thrusting it (the pin) into the sill by means of a stud attached to the sash without reference to the precise location of the parts.

Having thus described my invention, what I claim is—

In a burglar-alarm, a sliding pin, C, arranged within a socket, in combination with a stud, *a*, attached to the sash, and which enters the socket surrounding the pin or sliding bar to depress said pin, substantially as set forth.

JAMES A. WEED.

Witnesses:

J. C. ROBIE,  
WM. STEWART.