S. C. BOND.

Improvement in Alarm-Bells.

No. 114,521. Patented May 9, 1871.

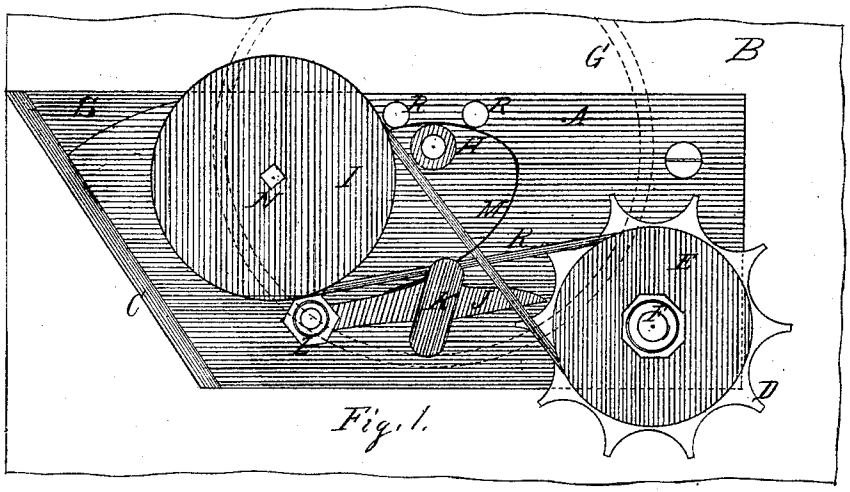


Fig. 1.

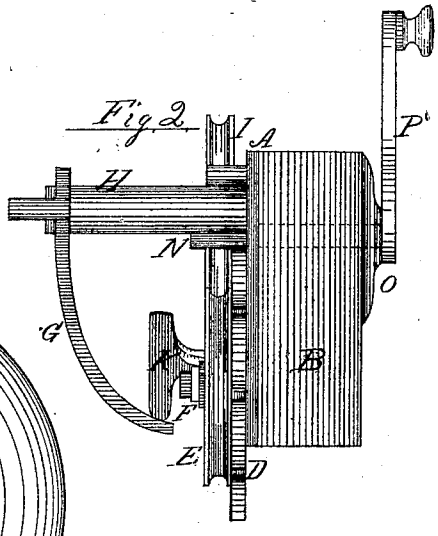


Fig. 2.

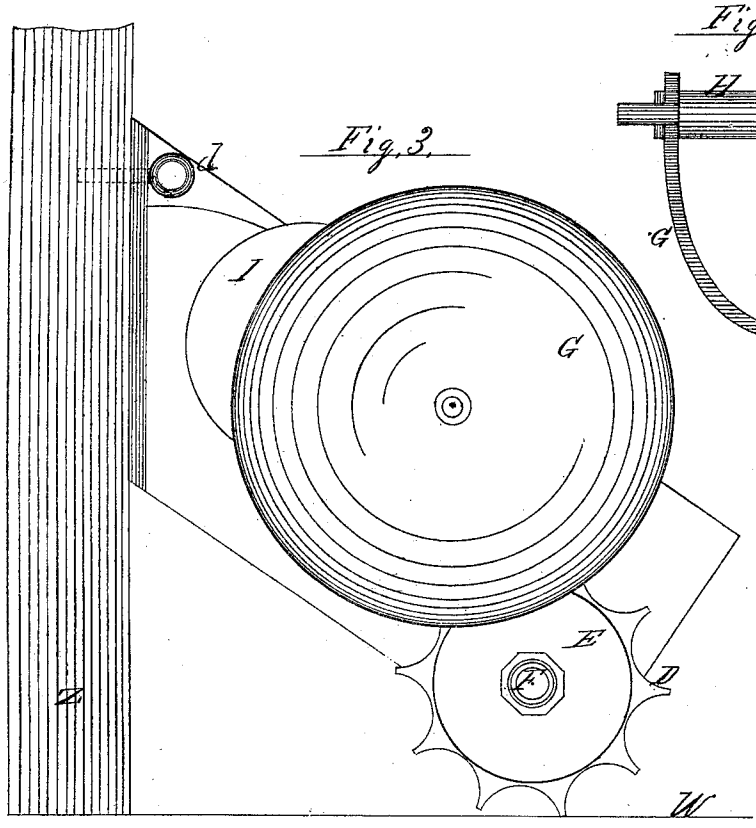


Fig. 3.

Witnesses

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A.H. PHOTO-LITHOGRAPHIC CO. N.Y. (OSBORNE'S PROCESS)

United States Patent Office.

SPENCER C. BOND, OF HAINESVILLE, ILLINOIS.

Letters Patent No. 114,521, dated May 9, 1871.

IMPROVEMENT IN ALARM-BELLS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom this may concern:

Be it known that I, SPENCER C. BOND, of Hainesville, in the county of Lake and State of Illinois, have invented a new and useful Improvement in Alarm-Bells; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and letters marked thereon, in which—

Figure 1 is an elevation of my improvement in alarm-bells as applied as a call-bell to a door.

Figure 2, an end elevation of the bell attached to the door.

Figure 3, the device attached to a door as when used as an alarm-bell.

The nature of the present invention consists in a bell so combined with suitable mechanism that the device may be used as a call-bell or an alarm-bell, both for doors and windows, as the whole is hereinafter fully described.

A represents a face-plate, which supports the bell and the mechanism for ringing it, and also a rib, C, for the convenience of attaching the plate to a door when the bell is to be used as an alarm.

H represents a post, which supports an ordinary bell, G, in the usual manner.

I is the crank-wheel, which, by means of a band, R, drives a wheel, E.

This latter wheel E is provided with a ratchet, D, which operates a bell-hammer, J K, pivoted to the plate A at L, so as to ring the bell G, said bell-hammer being held in position by a spring, M.

When the device is to be used as a call-bell a crank, P, by means of a shaft or spindle, N, is used to ring the bell; but when the device is used as an alarm the crank and spindle may be removed by simply detaching the rosette O from the door B, fig. 1.

The rib C of plate A projects far enough to the front of said plate to receive a screw for holding the device to a door, as shown at fig. 3; and the said rib, being formed diagonally across the end of plate A, permits the ratchet-wheel D to roll on the floor or carpet, and thus operate the hammer J K so as to ring the bell G when a door is being opened.

The rib C can be attached to a window-sill so as to bring the ratchet D against the sash and cause an alarm when the sash is raised.

The device can be also attached to other parts of a window so that an alarm will be given, as, for instance, to the top rail of lower sash, the ratchet running on the jamb-casing.

In the foregoing I have described a complete alarm-bell and call-bell, but, in view of the patent granted to Peerson and Hawville, granted January 12, 1869, I disclaim the arrangement of the bell, bell-hammer, spring, and ratchet-wheel, but use them in the new combination set forth in claim.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

The plate A, provided with the diagonal rib C, in combination with ratchet-wheel E D, bell G, bell-hammer J K, spring R, wheel I, crank P, and cord R, as and for the purposes set forth.

SPENCER C. BOND.

Witnesses:

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T. C. SLUSSER.