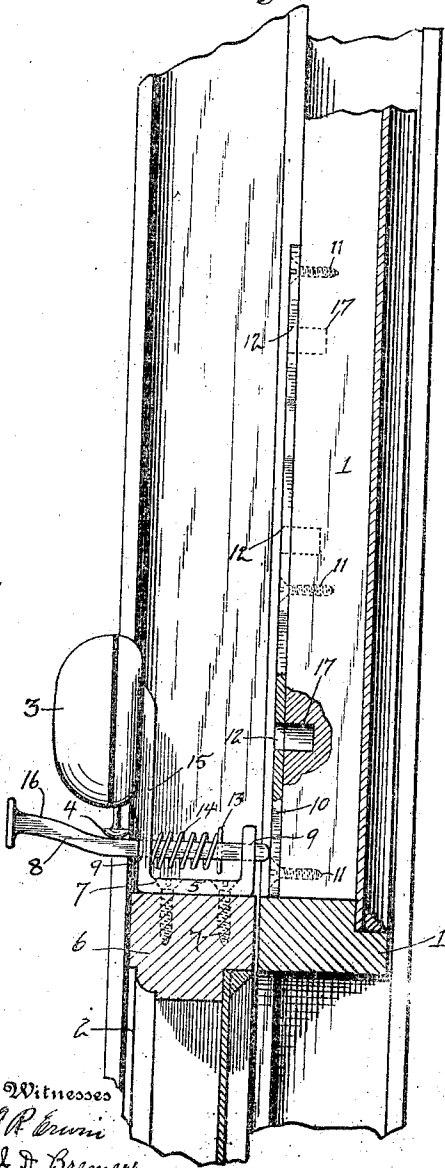


E. C. KAHN.
BURGLAR ALARM AND LOCK FOR WINDOWS.
APPLICATION FILED MAR. 14, 1910.

1,031,008.

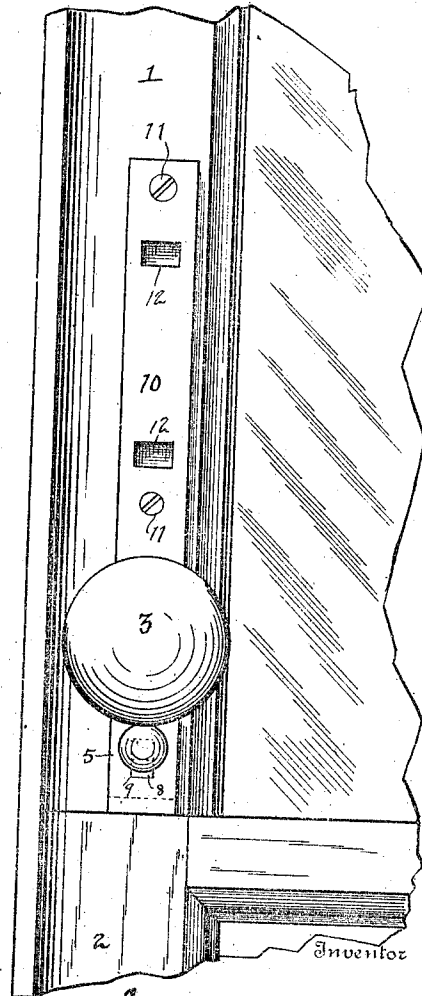
Patented July 2, 1912.

Fig. 1.



Witnesses
O. R. Brown
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Fig. 2.



Edward C. Kahn

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UNITED STATES PATENT OFFICE.

EDWARD C. KAHN, OF MILWAUKEE, WISCONSIN, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO BURGLAR ALARM LOCK COMPANY, A CORPORATION OF WISCONSIN.

BURGLAR-ALARM AND LOCK FOR WINDOWS.

1,031,008.

Specification of Letters Patent.

Patented July 2, 1912.

Application filed March 14, 1910. Serial No. 549,315.

To all whom it may concern:

Be it known that I, EDWARD C. KAHN, a citizen of the United States, residing at Milwaukee, county of Milwaukee, and State of Wisconsin, have invented new and useful Improvements in Combined Burglar-Alarms and Locks for Windows, of which the following is a specification.

My invention relates to improvements in burglar alarms for windows, and it pertains more especially, among other things, 1st, to the device for automatically starting the alarm signal when either one of a pair of window sash is raised or lowered, and 2nd, to the device for simultaneously locking the two sashes of a window together as the alarm signal is sounded.

My invention is further explained by reference to the accompanying drawings, in which—

Figure 1 represents a side view of a portion of a window provided with my combined signal alarm and lock, and Fig. 2 is a front view of the device shown in Fig. 1.

Like parts are represented by the same reference numerals in both views.

1 represents the upper and 2 the lower window sash.

3 is a signal bell. The bell 3 is of ordinary construction, such for example, as those known as spring actuated bicycle signal bells, the spring of which, when wound up and released, causes a hammer to vibrate rapidly against the bell.

4 is a push button, which is connected with the releasing mechanism of the signal bell, whereby as said push button is moved toward the bell, the alarm signal will be released and the alarm will be sounded until the actuating mechanism of the signal has run down. The bell 3 is provided with a supporting bracket 5, by which it is rigidly connected with the upper rail 6 of the lower window sash.

7 are bracket retaining screws.

8 is a locking bar, which is slidably supported from the bracket 5 in apertures 9, 9, and is adapted to yieldingly bear at its inner end against the vertical plate 10. The vertical plate 10 is rigidly secured to the front surface of the upper sash 1 by a plurality of screws 11 and is provided with a plurality of apertures 12 located at short intervals apart for the reception of the inner end of said actuating bar. The bar 8 is provided

with a transversely arranged pin 13, which serves as a stop to the spiral spring 14, said spring 14 being interposed between said pin 13 and the vertical member 15 of said bracket 5; whereby said actuating bar 8 is yieldingly retained, as stated, against the vertical plate 10, and whereby said bar is forced into the apertures 12, as soon as it is brought in front of the same. Thus it will be obvious that when the lower sash is raised, or the upper sash lowered, said locking bar 8 and apertures 12 will be caused to register with each other, when said bar 8 will be thrown by the recoil of said spring into one of said apertures, whereby the window sash will be locked. The outer end of the bar 8 is provided with an upwardly and outwardly inclined bearing surface 16, which is retained in contact with the push button 4 of said signal bell, whereby as said locking bar 8 is thrown into the locking position with the upper sash, as stated, said push button 4 will be forced inwardly, whereby the actuating spring of the signal bell will be released and the signal bell will be sounded, as stated.

It is obvious that while the plate 10 is preferably used to prevent wear and friction of the sash, such plate may be dispensed with, in which case, the actuating bar will bear directly against the front surface of the sash and will be thrown by the recoil of said spring into the holes 17 of the sash, which are formed beneath the apertures 12 of said plate.

It will be understood that the front or protruding end of the locking bar 8 is curved upwardly terminating on a higher plane than its inner end in such a manner that as it is thrown forwardly by the recoil of the spiral spring 14 into locking engagement with the sash, its upper edge is adapted to yieldingly bear against the lower end of the push button, whereby said push button will be moved upwardly, thereby causing the signal bell 3 to be sounded.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of a pair of window sashes, a signal bell provided with a push button connected with the lower member of said sash, a locking bar connected with said sash, means for retaining said bar in yielding contact with said push button and the upper sash of said pair, said upper sash be-

ing provided with one or more recesses for the reception of one end of said locking bar, said locking bar being adapted as either one of said sashes is moved to be automatically thrown into locking engagement with one of said recesses and the signal bell thereby sounded.

2. The combination of a pair of window sashes, a bracket provided with two vertical members connected with the upper rail of the lower sash, a signal bell provided with a push button supported from the front member of said bracket, a locking bar curved upwardly at its front end slidably supported by both of the vertical members of said bracket with its curved portion in contact with said push button, a vertical plate provided with a plurality of recesses for the reception of one end of said locking bar, said

plate being rigidly secured to one of the vertical members of the upper sash, spring actuated means for retaining said locking bar in yielding contact with said vertical plate and the lower side of said push button, said bar being adapted as either one of said sashes is moved to be automatically thrown into locking engagement with one of the recesses of said bar, said bar being adapted as it is thrown forward into one of said recesses to actuate the push button of said signal bell, all substantially as and for the purposes specified.

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

EDWARD C. KAHN.

Witnesses:

JAS. B. ERWIN,
O. R. ERWIN.