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N. B. LE FEVRE.

DOOR BELL.

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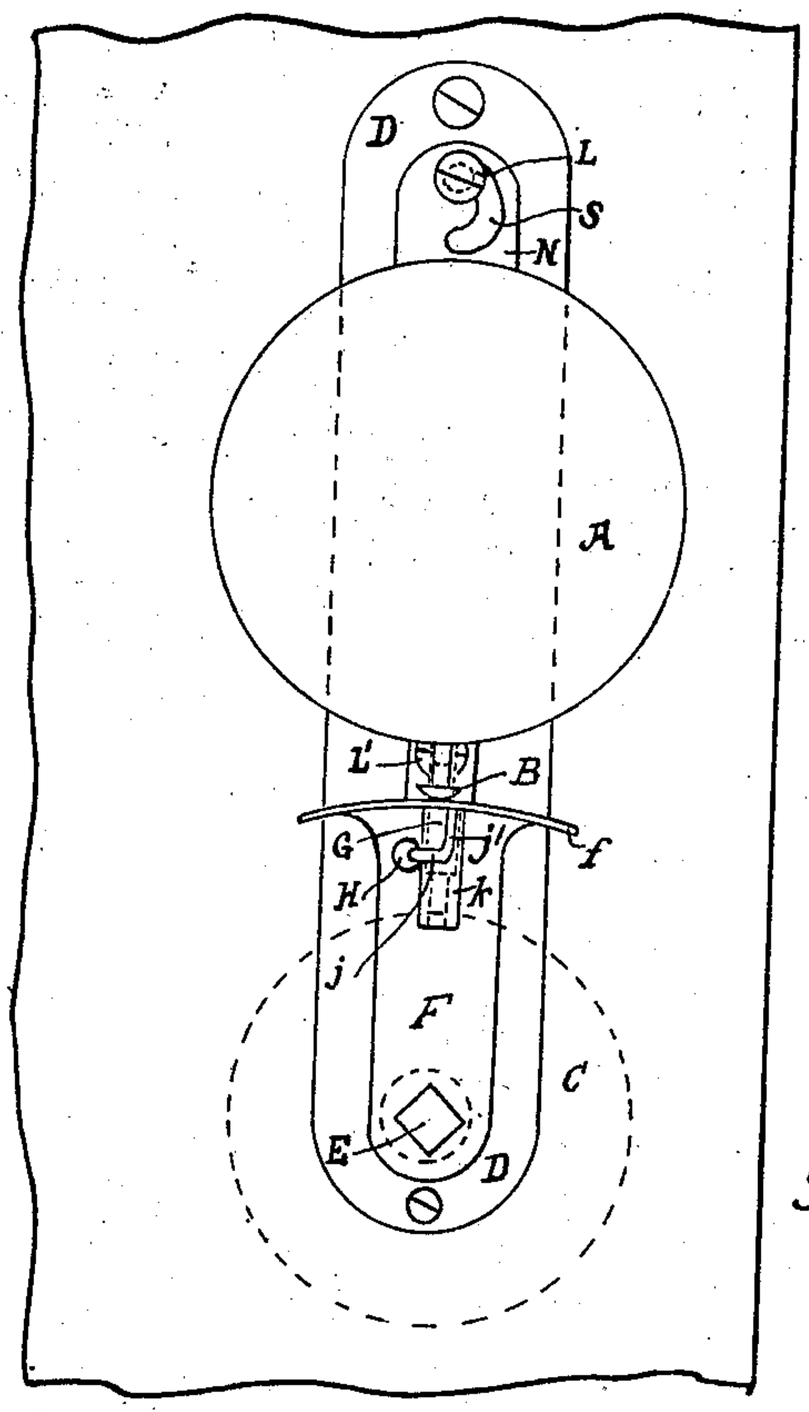

Fig. 1.

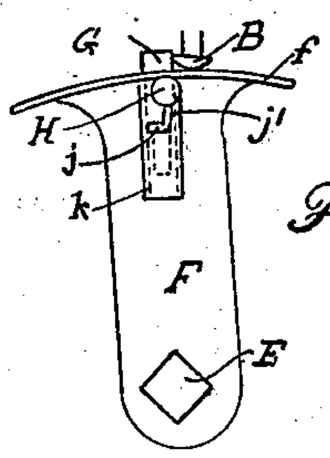

Fig. 2.

Witnesses:
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NEVIN BUFFINGTON LE FEVRE, OF LONDON, ENGLAND.

DOOR-BELL.

No. 889,316. Specification of Letters Patent. Patented June 2, 1908.

Application filed December 27, 1905. Serial No. 293,464.

To all whom it may concern:

Be it known that I, NEVIN BUFFINGTON LE FEVRE, a citizen of the United States of America, residing at 1 Cranworth Gardens, Brixton, London, England, have invented new and useful Improvements Relating to Door-Bells, of which the following is a specification.

This invention has reference to improvements relating to door-bells which are set in operation or sounded by turning the door-handle, and it consists in improved operating mechanism intermediate of the door handle and an ordinary spring-actuated alarm bell having the usual knob the depression or operation of which sets the bell ringing, mounting said bell adjustably on a plate to be fixed to the door and so that it may be readily adjusted into or out of its operative position, the said operating mechanism, when the bell is in its operative position, bringing about the ringing of the bell on the door-handle being turned in either direction, and means whereby the bell may if desired be caused to continue ringing when the door-handle has been turned to a sufficient extent.

In order that my invention may be readily understood I make reference to the accompanying drawing in which:

Figure 1 shows my invention in front elevation, the parts being in their normal position, and Fig. 2 shows it as it appears when continuous ringing of the bell is required.

In said drawing A indicates an ordinary spring or cycle bell having a knob B or equivalent the depression of which sets the bell ringing as is usual with this class of bell. Said bell may be fixed to the inner side of a door or to a plate D attached to said door so as to be in close proximity to the handle C which is indicated by dotted lines.

On the spindle E of the door handle I mount a plate or lever F whose outer or free end is made more or less flat and is formed with a flange *f* which is in contact with the knob B. The shape of said flange is such that whether the handle C be turned in one direction or the other said flange will raise the knob B and set the bell ringing. When the handle is released and returns to its normal position the bell will cease ringing.

In order that the bell may be caused to continue to ring after once the handle C has been turned to a sufficient extent I provide a spring bolt G which is pressed upwards by a spring not sufficiently strong to depress the knob B but which spring will push the bolt upwards when the handle has been turned, so as to engage at one side of the knob as shown in Fig. 2 the flange *f* now depressing the knob B while the bolt G prevents the return of the parts to their normal position.

The bolt G has a handle H whose shank passes through a slot *j*, *j'*, in the bolt case *k* so that if the continuous ringing of the bell be not desired said shank is engaged in the part *j* of said slot, as shown in Fig. 1, but when a continuous ringing of the bell is desired the handle H is moved so that its shank enters the vertical part *j'* of the slot and thereby permits the bolt G to be pushed upwards when the door handle is turned.

My invention may be applied to street, office or bed-room doors. For the two former a simple form, without the bolt G would usually be sufficient, but for bed-room doors the construction substantially as described and illustrated would usually be preferable.

The bell is preferably fixed to the door or to the plate D by screws L, L' one of which (L) passes through a curved slot S in a plate N or through the plate D by which the bell is carried and the other through a straight slot in said plate so that, say, when leaving the bed-room in the morning the bell may be moved away from the lever F so that its knob B will not be operated on turning the door handle.

I wish it to be understood that I do not confine myself to use any particular kind of bell, for example, if for some special reason it be desirable, a bell may be employed which will only give a single sound when operated or a bell which, when operated, will continue of itself to ring until stopped from within the room.

What I claim as my invention and desire to secure by Letters Patent is:—

The combination with a door-handle of a plate fixed to the door, an ordinary spring-actuated alarm bell mounted adjustably on

the said plate and having an operating knob the depression of which sets the bell ringing, an arm mounted on the door-handle spindle, a flange formed on the free end of the said arm adapted to act upon the operating knob of the bell when the handle is turned in either direction, and a spring-bolt adapted to prevent the return of the said arm to its normal position when the handle has been turned to a sufficient extent.

NEVIN BUFFINGTON LE FEVRE.

Witnesses:

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