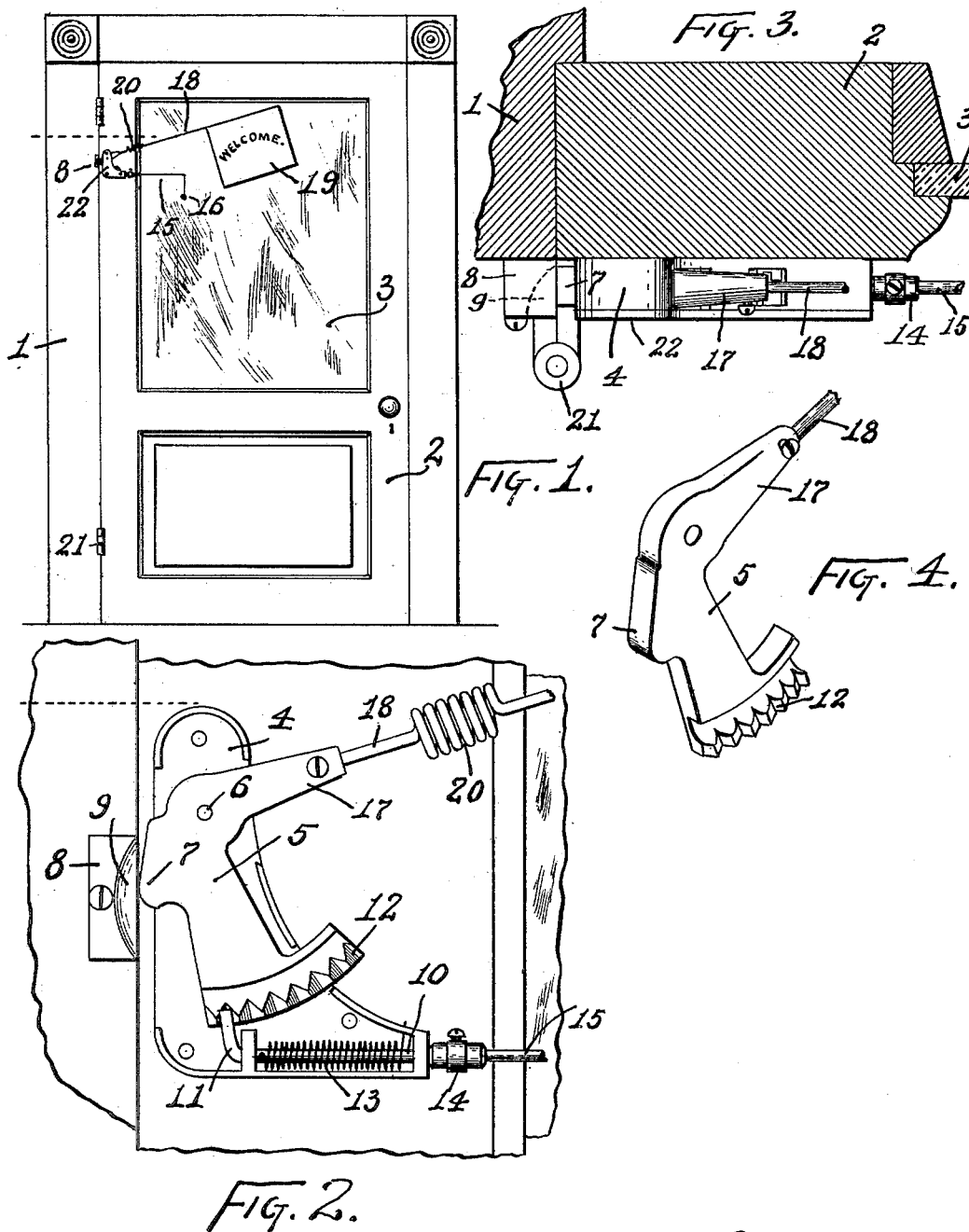


No. 647,571.

Patented Apr. 17, 1900.

P. LEHMAN.
ADVERTISING DEVICE.
(Application filed Jan. 6, 1900.)

(No Model.)



Witnesses:
E. R. Shipley.
Mr. F. Elden.

Pauline Lehman
Inventor
by *James W. See*
Attorney

UNITED STATES PATENT OFFICE.

PAULINE LEHMAN, OF HAMILTON, OHIO.

ADVERTISING DEVICE.

SPECIFICATION forming part of Letters Patent No. 647,571, dated April 17, 1900.

Application filed January 6, 1900. Serial No. 540. (No model.)

To all-whom it may concern:

Be it known that I, PAULINE LEHMAN, a citizen of the United States, residing at Hamilton, Butler county, Ohio, (post-office address, No. 229 North Third street, Hamilton, Ohio,) have invented certain new and useful Improvements in Advertising Devices, of which the following is a specification.

This invention pertains to a device for knocking on a door under the influence of the motion of opening and closing the door, such knocking being for the purpose of calling attention to an advertisement, preferably in the form of a sign, moving as the door opens and closes.

The invention will be readily understood from the following description, taken in connection with the accompanying drawings, in which—

Figure 1 is an elevation of a door having my device connected with it; Fig. 2, an elevation, on an enlarged scale, of the device itself minus the tapper, the sign, and the covering-plate of the movement-case; Fig. 3, a plan of the main portions of the device, a portion of the door and door-casing appearing in horizontal section; and Fig. 4, a perspective view of the rocking lever which actuates the tapper and the sign.

In the drawings, 1 indicates the door-casing; 2, the door; 3, the door-panel—say the usual glass of a door; 4, the movement-case attached to the hinge-stile of the door; 5, a rocking lever pivoted in this movement-case; 6, the pivot of the lever; 7, a projection from the lever toward the hinge-stile of the door-casing; 8, a block secured to the hinge-stile of the door-casing in position to engage projection 7 when the door is closed; 9, a curved inner face to block 8 of a form to permit lever 5 to swing one way upon its pivot as the door is opened and to force the lever to swing the other way when the door is closed; 10, a spindle journaled in the movement-case; 11, an arm projecting from spindle 10 toward and overlying the lower free extremity of lever 5; 12, serrations on the face of the free lower portion of lever 5 where the same is overlapped by arm 11, the notches of the serrations being engaged successively by arm 11 as lever 5 rocks on its pivot; 13, a spring engaging spindle 10 and the movement-case and

tending to so twist the spindle as to cause arm 11 to enter the notches of the serrations 12; 14, a socket on the end of spindle 10; 15, a rod having its inner end secured within socket 14 by means of a set-screw, the free portion of this rod projecting beyond the hinge-stile of the door toward and overlying the panel of the door; 16, a tapper-rod projecting from rod 15 and carrying at its end a small hammer in such relation to the door-panel as to tap upon the panel as spindle 10 is rocked by the action of serrations 12; 17, a socket formed on lever 5; 18, a rod having its end secured within socket 17 by means of a set-screw, this rod projecting over and past the hinge-stile of the door, so as to overlie the panel; 19, a sign carried by the free extremity of rod 18; 20, a somewhat flexible portion formed in rod 18 by means of a helical coiling of the rod; 21, the door-hinges, and 22 a cover-plate secured to the front of the movement-case and covering the mechanism therein.

The movement-case and its contained mechanism may be secured to the stile of the door by means of ordinary screws, the same screws serving in securing the movement-case to the door and the cover-plate to the movement-case. Lever 5 may be formed solid or recessed or hollow, as desired. Rod 15 may be made of any length needed to bring tapper 16 to the door-panel, the socket 14 thus adapting the device for use with doors having wide or narrow stiles and similarly as regards the length of sign-rod 18.

Normally the sign is up and stationary and the tapper is stationary, the parts being held in normal position by the engagement of projection 7 with block 8. When the door starts to open, the retreating face 9 of block 8 permits projection 7 to retreat, the weight of the sign and sign-rod causing lever 5 to rock upon its pivot, the sign thus moving downwardly as the door opens. At the same time the notches of serrations 12 act in succession on the tapper-spindle, thus producing a tapping on the door-panel and calling attention to the sign. When the door has been fully opened, the sign is down and the tapper silent. When the door is being closed, the lever in rocking back to normal position raises the sign and repeats the tapping upon the panel. Coil 20 in the sign-rod provides a point of

flexibility in the rod to take up shocks due to the sudden initiations and arrest of the motion of the sign.

I claim as my invention—

5 1. The combination, substantially as set forth, of a door, a sign to which attention is to be directed, a tapper adapted to tap against the door and attract attention to the sign, and mechanism independent of the latching devices of the door and connected with the tapper and door whereby the opening and closing motion of the door produces repetitive vibrations of the tapper.

15 2. The combination, substantially as set forth, of a door, a lever pivoted thereto, a part upon the door-casing adapted to engage said lever and rock the same as the door is opened and closed, a serrated part carried by said lever, a tapper-spindle, a tapper connected therewith, an arm projecting from said spindle and engaging the serrated part of the lever, and a spring engaging said spindle and holding said arm to said serrated part.

25 3. The combination, substantially as set forth, of a door, a lever pivoted thereto, a part upon the door-casing adapted to engage said lever and rock the same as the door is opened and closed, a serrated part carried by said lever, a tapper-spindle, a socket carried by said spindle, a tapper engaging said socket, an arm projecting from said spindle and engaging said serrated part, and a spring engaging said spindle and pressing said arm to said serrated part.

35 4. The combination, substantially as set forth, of a door, a lever pivoted thereto, a part upon the door-casing adapted to engage said lever and rock the same as the door is opened and closed, a serrated part carried by said lever, a tapper-spindle, a tapper connected therewith, an arm projecting from said spindle and engaging the serrated part of the lever, a spring engaging said spindle and holding said arm to said serrated part, and a sign carried by said lever.

45 5. The combination, substantially as set forth, of a door, a lever pivoted thereto, a part upon the door-casing adapted to engage said lever and rock the same as the door is opened and closed, a serrated part carried by said lever, a tapper-spindle, a tapper connected therewith, an arm projecting from said spindle and engaging the serrated part of the lever, a spring engaging said spindle and holding said arm to said serrated part, a socket formed in said lever, a sign-rod engaging said socket, and a sign carried by said sign-rod.

6. The combination, substantially as set

forth, of a door, a lever pivoted thereto, a part upon the door-casing adapted to engage said lever and rock the same as the door is opened and closed, a serrated part carried by said lever, a tapper-spindle, a tapper connected therewith, an arm projecting from said spindle and engaging the serrated part of the lever, a spring engaging said spindle and holding said arm to said serrated part, a sign-rod projecting from said lever and having a flexible portion between its free extremity and said lever, and a sign carried by the free extremity of said sign-rod.

7. The combination, substantially as set forth, of a door, a lever pivoted thereto, a part upon the door-casing adapted to engage said lever and rock the same as the door is opened and closed, a serrated part carried by said lever, a tapper-spindle, a tapper connected therewith, an arm projecting from said spindle and engaging the serrated part of the lever, a spring engaging said spindle and holding said arm to said serrated part, a sign-rod projecting from said lever and having a helical coil between its free extremity and said lever, and a sign carried by the free extremity of said sign-rod.

8. The combination, substantially as set forth, of a door, a door-casing, a rocking lever pivoted upon the hinge-stile of the door near the hinge-stile of the casing, a tapping device adapted to be operated by the rocking of said lever upon its pivot, a block secured to the door-casing and having a retreating face toward said lever, and a projection from said lever engaging the face of said block and adapted to be moved thereby during the opening and closing motion of the door.

9. The combination, substantially as set forth, of a casing adapted to be secured against a door, a cover-plate therefor, a serrated rocking lever pivoted within said casing, a tapper-spindle journaled in said casing and engaging the serrations of said lever, and a tapper carried by said spindle exterior to the casing and adapted to tap against the door.

10. The combination, substantially as set forth, of a door, a rocking lever pivoted upon the door and adapted to be rocked by the opening and closing motion of the door, a sign carried by and moving with said lever, and a tapping device connected with said lever and adapted to tap against the door.

PAULINE LEHMAN.

Witnesses:

J. W. SEE,

M. S. BELDEN.