

H. P. SPECKMANN.
Change-Gate.

No. 205,432.

Patented June 25, 1878

Fig. 1.

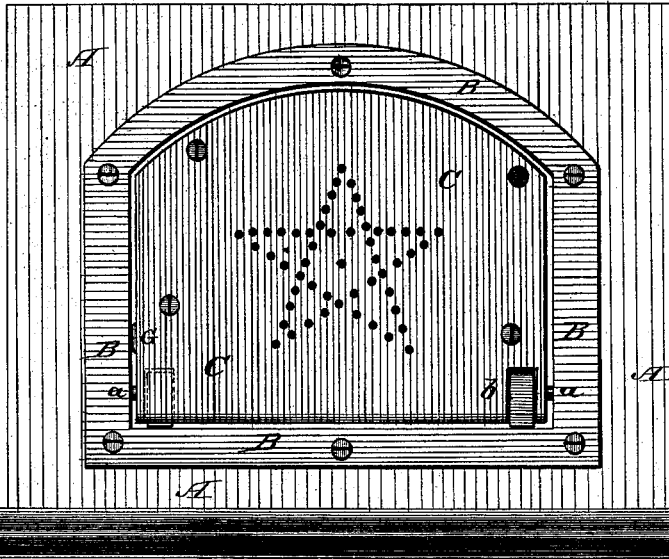


Fig. 2.

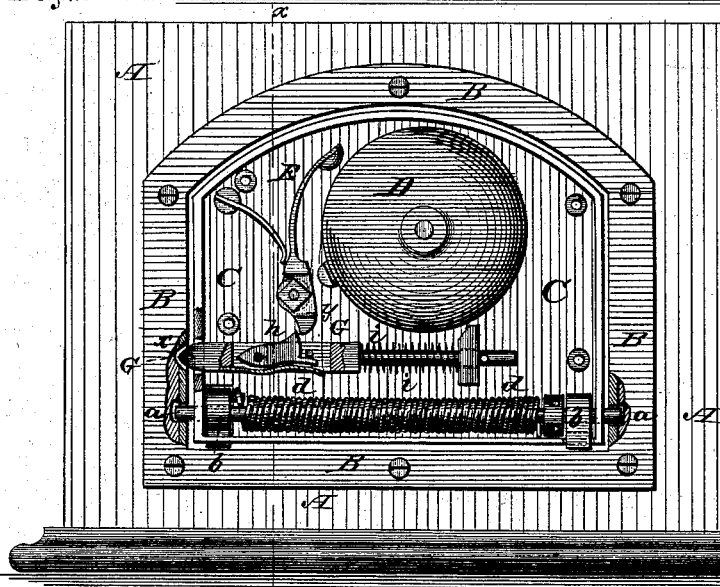


Fig. 3.

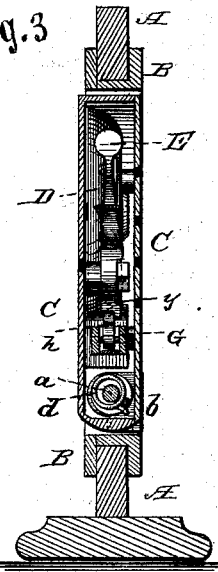
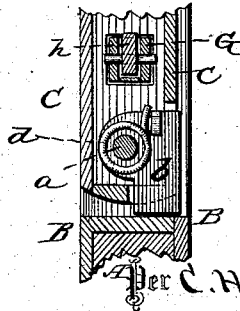


Fig. 4.



Witnesses:

P. Dieterich
Frank A. Duffy

Inventor:

Henry P. Speckmann

Per *C. H. Watson & Co.* Attorneys.

UNITED STATES PATENT OFFICE.

HENRY P. SPECKMANN, OF LOUISVILLE, ASSIGNOR OF ONE-HALF HIS
RIGHT TO TOM J. MINARY, OF JEFFERSON COUNTY, KENTUCKY.

IMPROVEMENT IN CHANGE-GATES.

Specification forming part of Letters Patent No. **205,432**, dated June 25, 1878; application filed
December 19, 1877.

To all whom it may concern:

Be it known that I, HENRY P. SPECKMANN, of Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Change-Gates; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to what is called "change-gates," to be used in public and private conveyances, or in any place where it is desired to change or interchange money or other articles between parties separated by walls, partitions, or other dividing-lines; and the nature of my invention consists in arranging a gong or bell, as well as all the operating parts, within the movable part or gate, and in the combinations of parts, as will be hereinafter more fully set forth, and pointed out in the claims.

In the annexed drawing, to which reference is made, and which fully illustrates my invention, Figure 1 is a front elevation. Fig. 2 is a similar view with the cover of the gate removed. Fig. 3 is a central vertical section on line *x x*, Fig. 2; and Fig. 4 is a detail view of my invention.

A represents a door, wall, or other partition, provided with a suitable opening, in which is secured a metal frame, B, forming, as it were, a lining for the opening. In the lower part of this frame is pivoted the gate C, by means of a rod, *a*, passing through it, as shown, and into the frame, said gate being of such dimensions that, when standing in a vertical position, it will fill the opening.

The gate C is made hollow, and contains within it a gong or bell, D, and also mechanism for sounding the same and mechanism for holding the gate in and returning it to a vertical position, all of said parts moving with the gate when the same is turned to either side.

At each side of the gate C, within the same, upon the rod *a*, is a stop, *b*, which passes through the bottom of the gate, but on opposite sides, and rests upon the frame B. *d* is a spiral spring, coiled around the rod *a* and having its ends working, either directly or indirectly, against the stops *b b*. This spring and stops cause the gate to maintain a vertical position, and when the gate is turned or pressed to either side one of the stops *b* remains stationary, while the other moves with the gate; and as the spring returns the gate to its former erect position this moving stop causes the gate to stop or stand in the desired position.

The gong or bell D is sounded by means of a hammer, E, which is operated by a spring-latch, *h*, arranged in a mortise in a sliding bolt, G. This bolt is operated upon by a spring, *i*, so that its outer end will pass through the side edge of the gate and into a mortise, *x*, in the side of the frame B.

As the gate is turned in either direction the bolt is forced inward, which causes the latch *h* to draw back the spring-hammer E by catching upon a projection, *y*, thereof. As soon as the latch has cleared said projection the hammer sounds the bell. The spring *i* acts to throw the bolt outward again, during which movement the latch slides under the projection *y*.

All these various parts are inclosed within and move with the gate.

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

1. In a change-gate, a gong or bell with mechanism, substantially as described, for sounding the same, inclosed within and moving with said gate, as herein set forth.

2. In a change-gate, a mechanism, substantially as described, for holding the gate in and returning it to an erect position, such mechanism being inclosed within and moving with the gate, substantially as herein set forth.

3. The combination, with the pivoted gate C, of the rod *a*, stops *b b*, and spring *d*, said

rod, stops, and spring located within and moving with the gate, substantially as and for the purposes herein set forth.

4. The combination, with the pivoted gate C, of the gong or bell D, spring-hammer E, and bolt G, with spring *i* and spring-latch *h*, said parts located within and moving with said pivoted gate C, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

HENRY P. SPECKMANN.

Witnesses:

OSCAR A. METZNER,
N. H. BEHREND.