

J. G. WARREN.

MATCH-SAFE.

No. 173,195.

Patented Feb. 8, 1876.

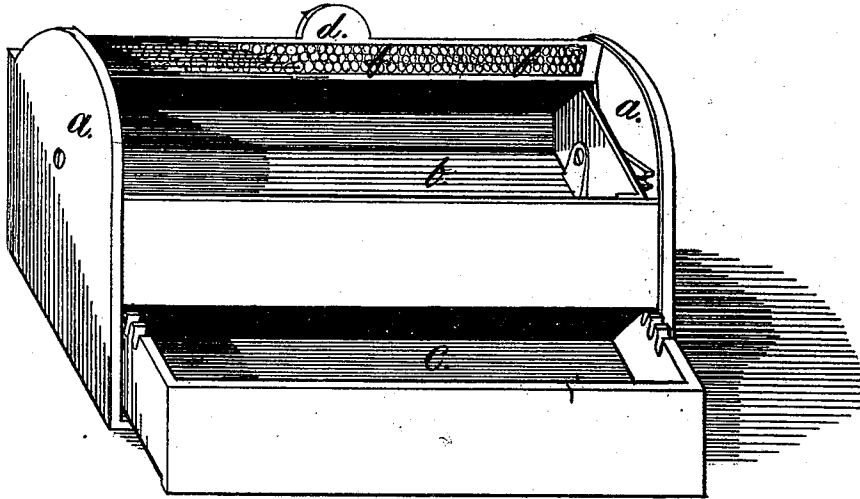


Fig. 1.

Fig. 2.

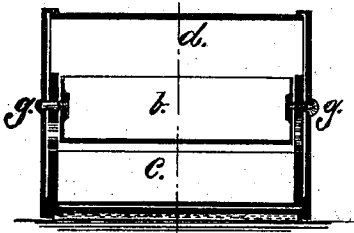
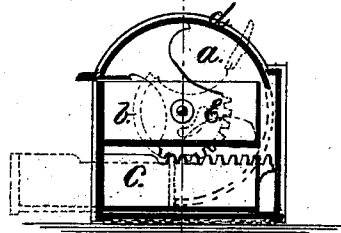


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN MATCH-SAFES.

Specification forming part of Letters Patent No. **173,195**, dated February 8, 1876; application filed January 7, 1876.

To all whom it may concern:

Be it known that I, JAMES G. WARREN, of the city and county of Providence, State of Rhode Island, have invented new and useful Improvements in Match-Safes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings forming part of this specification.

Figure 1 is a perspective view of my improved safe, showing the same open. Fig. 2 is a longitudinal vertical section of the same. Fig. 3 is a cross-section of the same.

Similar letters of reference indicate corresponding parts.

This invention has reference to a receptacle for matches or other articles, in which two receptacles are so connected that by opening one the other is pushed out, and thus the two are opened simultaneously; and consists in connecting a segmental cover in such a manner with the lower drawer and receptacle that, in pushing back the cover, the lower receptacle or drawer is pushed out, as will be more fully set forth hereinafter.

In the drawings, *a a* is a box made of any suitable material, and provided with segmental ends, in which a segmental cover may slide. *b* is the fixed upper receptacle, forming a part of the box *a a*. *c* is a drawer, forming the lower receptacle. *d* is the segmental cover, swinging on bearings or pins secured to the segmental ends of the safe. *e e* are segmental gears secured to or cast in one piece with the segmental cover *d*. These segmental gears engage in a toothed rack, forming the sides of the lower receptacle or drawer. *g g* are the pivots or bearings in which the cover *d* swings.

The cover *d* is provided with a roughened surface on top, presented when closed, and also with a roughened edge, *f f*, presented when open, and also with a projecting lip, to facilitate the opening and closing of the cover.

When the cover *d* is closed, the whole presents an agreeable and substantial appearance, indicating at a glance the use for which it is intended.

When the cover is swung back, the seg-

mental gear engages with the rack, forming the sides of the lower receptacle, and pushes the same out in front, so that both the receptacles *b* and *c* are open. Matches or other articles may be placed therein or removed therefrom.

If used for a match-safe, the matches may be placed into either one of the receptacles, and the burned matches in the other. A convenient surface for rubbing the matches is presented at *f*, where a projection is made on the cover, the surface of which is roughened and arranged to assume a vertical position when the cover is open.

On closing the cover *d*, the segmental gears draw in the drawer or receptacle *c*, so that when either is closed the whole will close, and present a neat and finished appearance.

This safe may be conveniently used and arranged for a jewel-casket or a toilet-case, and a lock may be placed so as to secure the cover, or the lock may secure the drawer; in either case both receptacles will be secured by one lock.

I am aware that match-safes have been constructed so that the raising of the cover either pushed out a receptacle for the burned matches, or opened such a receptacle by means of levers and connecting-rods; but such safes were more costly in construction, and could not utilize the whole of the space inclosed in the case, as is the case in mine.

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

1. The combination of the segmental cover *d*, provided with the segmental gears *e e*, with the drawer *c*, provided with the rack-gear, substantially as and for the purpose described.

2. The combination of the case *a a*, provided with segmental ends, the fixed receptacle *b*, and the sliding receptacle *c*, connected with the cover *d* by means of the segmental gears *e e* and rack-gear, arranged and operating substantially as and for the purpose set forth.

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Witnesses:

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