J. E. Auld,

Match Box.

No. 58,536. Patented Oct. 2. 1866.

Fig. 1.

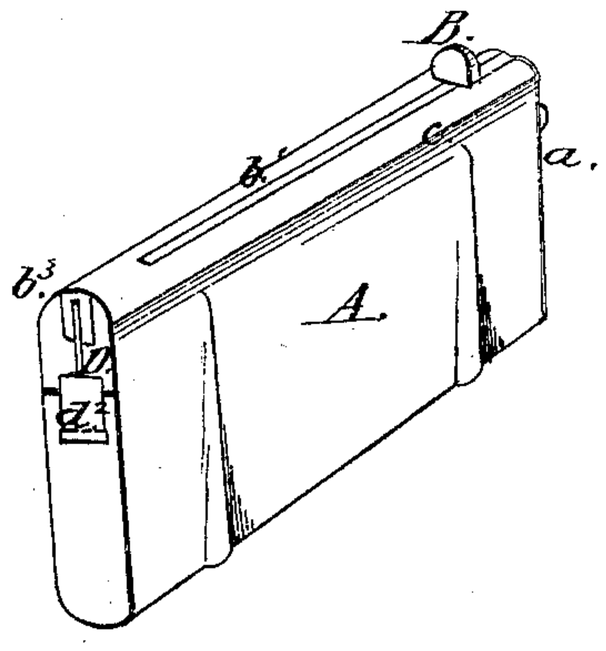


Fig. 2.

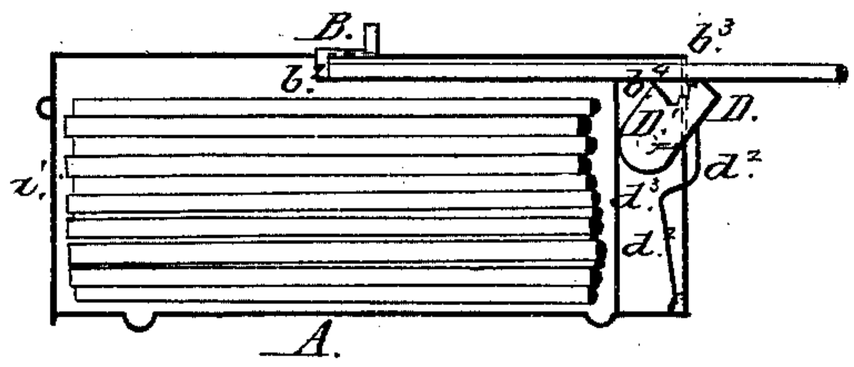
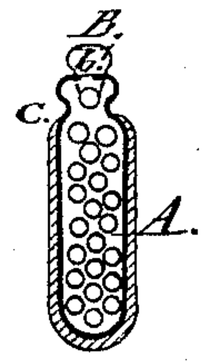


Fig. 3.



Witnesses:
F. A. Langworthy
B. F. Mueble

Inventor:
Jas. E. Auld

UNITED STATES PATENT OFFICE.

JAMES E. AULD, OF BUFFALO, NEW YORK, ASSIGNOR TO HIMSELF AND JOHN M. LAYTON, OF SAME PLACE.

IMPROVEMENT IN MATCH-SAFES.

Specification forming part of Letters Patent No. **58,536**, dated October 2, 1866; antedated September 15, 1866.

To all whom it may concern:

Be it known that I, JAMES E. AULD, of the city of Buffalo, county of Erie, and State of New York, have invented an Improved Igniting Match-Safe; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure I is a perspective view of the safe. Fig. II is a longitudinal section; and Fig. III is a cross-section thereof.

Letters of like name and kind refer to like parts in each of the figures.

A represents an oblong shell or case of thin sheet metal, forming the safe in which the matches are contained, they being inserted through an opening at one end of the case, which opening is closed by a door or cover, a'.

B represents the match-extractor, which is simply a thumb-piece working in a slot, b', cut longitudinally in one side of the case. This thumb-piece has a teat, b^2, projecting inward into the case, which catches against the end of the match, so that by moving the thumb-piece the match may be forced out of the case through an aperture, b^3, in the top thereof.

A longitudinal contraction, C, (shown in Fig. I, and more clearly in Fig. III,) is made in the case near the edge thereof, in which the extractor B works, to a size which will admit the passage of only one match at a time, thus preventing the extractor from taking hold of more than one match at a time.

D represents the igniter, which is a thin piece of steel, with a serrated edge, hinged to the case at the top thereof, as shown at D′, and shutting across the aperture b^3, through which the matches are extracted. A spring, d^2, holds the igniter down.

The igniter and spring are contained in a chamber at the top of the case, formed by a partition-head, d^3.

To extract the match from the case, the thumb-piece B must be moved to the bottom of the case and the case held with its contracted side downward. In this position the gravity of the matches in the safe will force one match through the contraction and bring it in line with the inward-projecting teat b^2 of the thumb-piece, and also in line with the igniting-aperture b^3 at the top of the case, so that by moving the thumb-piece in its slot toward the igniter the match will be forced through the aperture b^3, its phosphorated end striking and raising the igniter and passing over the serrated edge thereof with a consequent friction sufficient to ignite or light the match.

The igniter has a projection (shown at b^4) at right angles to its serrated edge, which, as the igniter is raised by the issuing of the match, strikes against the stem of the match and bears it off from the serrated edge, thus lessening the liability of breaking the match in its issue from the case.

The movement of the thumb-piece is not quite sufficient to expel the match, so that after ignition the match is held in the case in a position convenient for use.

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

The igniter D, so combined with a pocket match-safe that it shall act against the prepared end of the match as it is thrust from the safe and ignite it, and afterward hold it until extinguished, substantially as set forth.

JAS. E. AULD.

Witnesses:

F. A. LANGWORTHY,

B. H. MUEHLE.