No. 827,890. PATENTED AUG. 7, 1906.

O. C. SOBOLEWSKI.

MATCH BOX.

APPLICATION FILED MAR. 31, 1905.

Fig. 1.

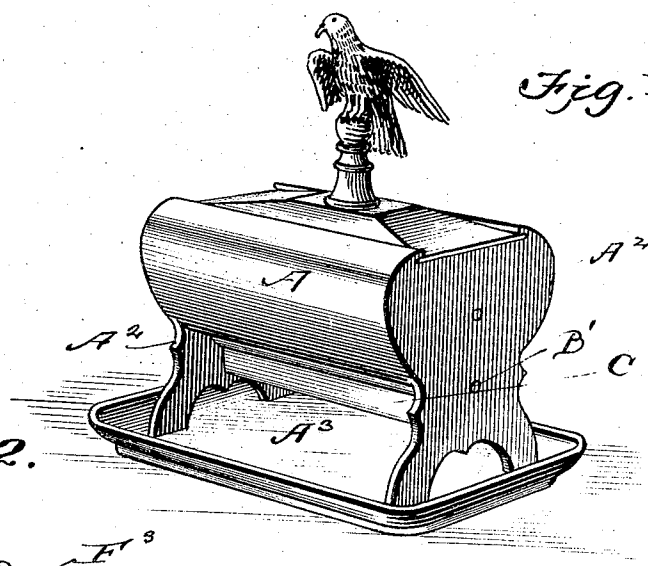


Fig. 2.

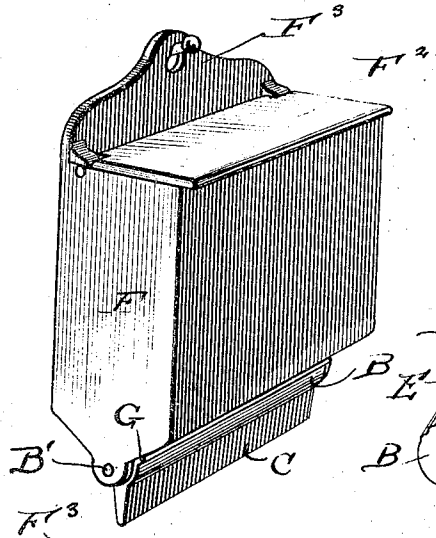


Fig. 4.

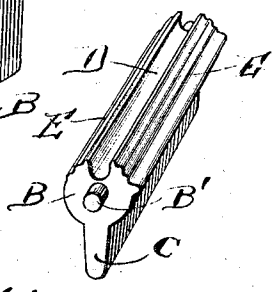


Fig. 3.

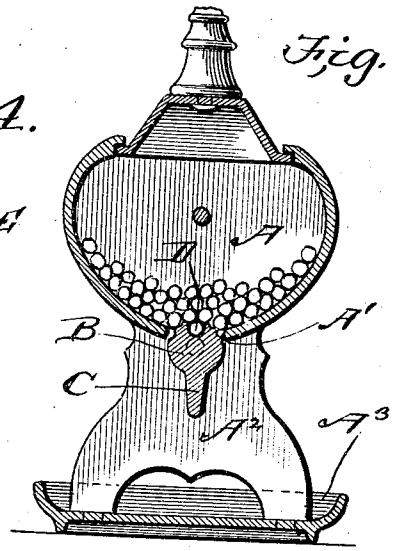


Fig. 6

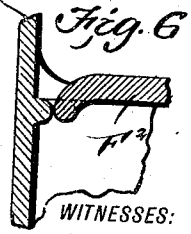
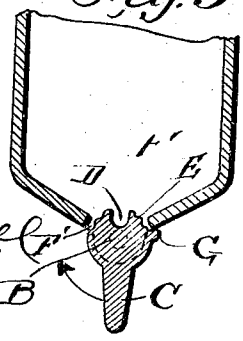


Fig. 5



WITNESSES:

M. D. Blondel

C. B. McBath.

INVENTOR

O. C. Sobolewski

BY

Howard & Brock

ATTORNEYS

UNITED STATES PATENT OFFICE.

OTTO C. SOBOLEWSKI, OF CINCINNATI, OHIO.

MATCH-BOX.

No. 827,890. Specification of Letters Patent. Patented Aug. 7, 1906.

Application filed March 31, 1905. Serial No. 253,067.

To all whom it may concern:

Be it known that I, OTTO C. SOBOLEWSKI, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in a Match-Box, of which the following is a specification.

This invention is an improved construction of match-box, the object being to provide a simple and efficient construction of box by means of which the matches can be fed therefrom one at a time by the manipulation of the feeding device by hand.

Another object of the invention is to provide a match-box from which the matches are fed one at a time by means of a hand-operating feeding device, said feeding device being so constructed as to automatically arrange the matches in proper order for feeding; and a still further object is to provide a device which can be constructed either as a wall-box or one designed to rest upon a table or other support.

With these various objects in view the invention consists in the details of construction hereinafter fully described, and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a perspective view of a device embodying my invention, said match-box being arranged for table use. Fig. 2 is a perspective view of a wall-box embodying my invention. Fig. 3 is a transverse sectional view of the box illustrated in Fig. 1. Fig. 4 is a detail perspective view of the feed-roller. Fig. 5 is a transverse sectional view showing the lower portion of the wall-box. Fig. 6 is a detail perspective view of the upper portion of the said wall-box.

I shall first describe the table-box and then the wall-box; but the feeding device, which constitutes the essential feature of my invention, is identically the same in both constructions.

The box or receptacle A is formed with a sloping bottom having a central longitudinal opening, in which works the feed-roller B, having pintles B′, which are journaled in the ends A^2 of the box, said ends being extended below the receptacle A for the purpose of providing supporting-legs, which legs are connected to a tray A^3, which may be used as an ash-receiver. The feed-roller B is provided with a depending rib C, which is made quite heavy and not only provides a suitable handle, but also serves to maintain the said roller in its normal position, as shown in Figs. 2, 3, and 5. The upper face of the roller is provided with a longitudinal groove D, into which a match is adapted to drop and from which the match is fed or carried out of the box one at a time by swinging the roller to such a position that the groove is made to clear the box or receptacle A, and this movement of the roller is accomplished by pressing upon the depending rib or handle C. The feed-roller is corrugated longitudinally, as shown at E, upon opposite sides of the central groove D and adjacent thereto, said corrugations serving to agitate the matches as the feed-roller is operated, and they also serve to arrange the matches in parallel order, so that one match is sure to drop into the central groove D when the roller is returned to its normal position.

In the wall-box (shown in Fig. 2) the box F is made of any desirable material and is constructed with a sloping bottom having a longitudinal opening F′ therein and in which the feed-roller is arranged substantially the same as in the construction shown in Figs. 1 and 3. In additon, however, to the depending rib, central groove, and longitudinal corrugations this feed-roller is provided with a longitudinal shoulder G, which serves as a stop to limit the movement of the said feed-roller, so that it has a feeding movement in one direction only, as indicated by the arrow in Fig. 5. Thus by removing a match from the box F the handle or rib of the feed-roller is pressed rearwardly, and a match will be deposited in the hand of the operator. As soon as the rib or handle is released the weight thereof will automatically return the same to its normal position, and the stop-shoulder G will limit the return movement of the feed-roller.

The box F is provided with a suitable hinged cover F^2, and the rear wall of the box is extended upwardly beyond the said cover and provided with a suitable opening, so that the box can be hung upon a nail driven into the wall or other object.

By having the feed-roller provided with a depending weighted rib said roller is always held in its normal position, and by having the longitudinal corrugations upon opposite sides of the central groove the matches are arranged in parallel order and are assisted into the groove, so that the feeding operation is uniformly certain.

Having thus fully described my invention,

what I claim as new, and desire to secure by Letters Patent, is—

1. A match-box having a sloping bottom, provided with a central opening, a feed-roller arranged in said opening and having a depending weighted rib upon the lower side thereof, the upper side of said roller having a longitudinal groove produced therein, longitudinal corrugations arranged upon the roller on opposite sides of the longitudinal groove and adjacent thereto, and a longitudinal stop-shoulder arranged upon one side of the roller and adapted to operate as set forth.

2. A match-box having a sloping bottom and downwardly-projecting ends, a central opening formed in said bottom, a feed-roller having a depending weighted rib journaled in said ends, and arranged in the opening in the bottom, the upper side of said roller being provided with a longitudinal groove, longitudinal corrugations formed on the upper side of said roller to each side of said groove, and an outwardly-projecting member formed on one side of the roller adapted to engage the edge of the opening, for the purpose set forth.

OTTO C. SOBOLEWSKI.

Witnesses:
JOHN HARTMANN
FRED PETERS, JR