

R. MARX.
 HOLDER FOR SAFETY RAZOR BLADES.
 APPLICATION FILED APR. 26, 1912.

1,103,977.

Patented July 21, 1914.

Fig. 1.

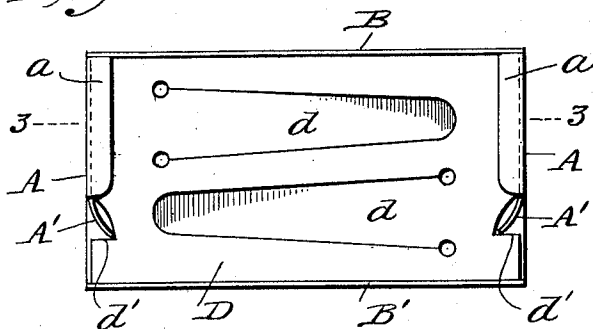


Fig. 2.

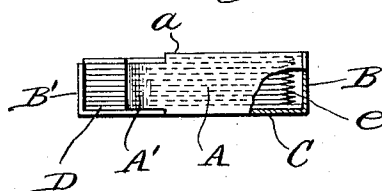


Fig. 3.

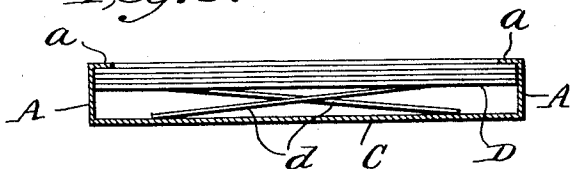


Fig. 4.

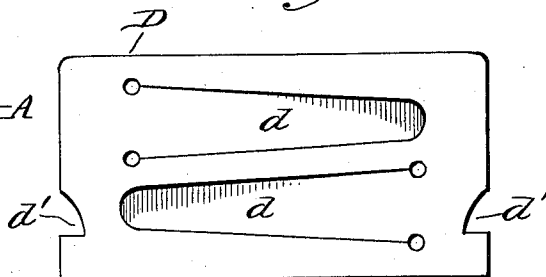


Fig. 7.

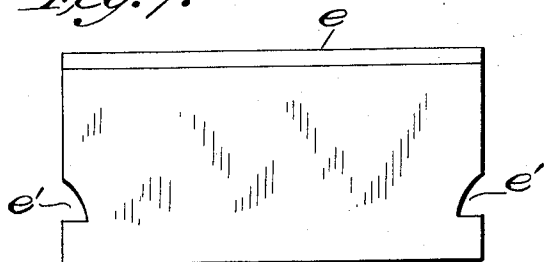


Fig. 5.

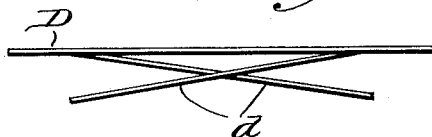
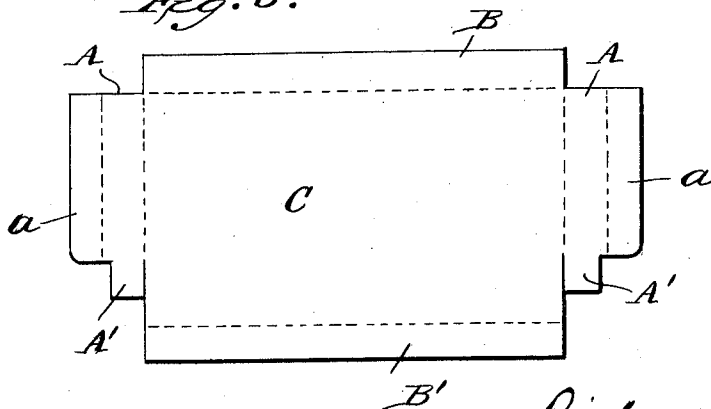


Fig. 6.



Inventor

Richard Marx

Witnesses

Halbert Brown.
 Elizabeth Griffith

By

Charles T. Church

his Attorneys

UNITED STATES PATENT OFFICE.

RICHARD MARX, OF PHILADELPHIA, PENNSYLVANIA.

HOLDER FOR SAFETY-RAZOR BLADES.

1,103,977.

Specification of Letters Patent.

Patented July 21, 1914.

Application filed April 26, 1912. Serial No. 693,443.

To all whom it may concern:

Be it known that I, RICHARD MARX, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Holders for Safety-Razor Blades; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification, and to the figures and letters of reference marked thereon.

One of the difficulties found to exist in both the manufacture and use of the modern safety razor is due to the fact that adequate provision has not been heretofore made for protecting the cutting edges of the wafer blades between the time that said blades are sharpened and the time when they are inserted in the razor heads for use.

The object of the present invention is to provide a holder for a number of wafer blades in which the blades will be individually supported in such wise that their cutting edges cannot contact with any surface or object which would be liable to damage or dull them and from which the blades may be withdrawn in succession with the utmost facility, thus dispensing with the necessity of wrapping each blade in a separate package and overcoming the danger of injury to the cutting edges when wrapping the same or by contact of said edges with the wrapping material.

The invention consists in a wafer razor blade holder embodying certain novel details of construction and combinations and arrangements of parts, all as will be now described and pointed out particularly in the appended claims.

Referring to the accompanying drawings,—Figure 1 is a plan view of a blade holder embodying the present improvements; Fig. 2 is an end elevation of the same showing several blades in position; Fig. 3 is a section through the holder on the line indicated at 3—3 in Fig. 1; Figs. 4 and 5 are a plan and elevation respectively of the yielding follower; Fig. 6 is a plan view of the blank from which the holder is formed; and Fig. 7 is a plan of a wafer blade such as the holder of the present invention is designed to carry.

Like letters of reference in the several figures indicate the same parts.

The body of the device is preferably formed up of sheet metal which may be initially cut to the shape shown in Fig. 6, the blank being adapted to have its edge portions bent upwardly to form end walls A, side walls B, B' with a bottom C. The end walls A are at their upper edges provided with inwardly extending overhanging flanges *a*, and at their front ends the said end walls A are bent inwardly to form projections A'. One of the side walls, preferably that indicated by the letter B is of substantially the height of the end walls and flanges *a*, while the other side wall B' and the projections A' are both of a height slightly less than the end walls, the upper edges of the said parts A' and B being a distance below the level of the under face of the overhanging flanges, which is substantially equal to the thickness of one of the razor blades.

Mounted within the holder is a yielding follower D preferably also formed of a single piece of sheet metal having centrally arranged downwardly projecting spring tongues *d*, said tongues, as shown in Fig. 5, being crossed so as to exert a practically uniform upward pressure on the whole follower. Each end of the follower is provided with recesses *d'* into which the projections A' on the holder extend, and in general outline the said follower conforms to the interior shape of the holder, in this respect corresponding to the general shape of the blades, as shown in Fig. 7 of the drawing. The blades, however, are made of such size that their cutting edges *e* will be held a sufficient distance away from the side wall B to prevent any possibility of the edges being marred or injured by contact with said wall, and this result is accomplished by the engagement of the projections A' with the end recesses *e'* in the razor blades.

In use it is designed that holders such as herein set forth shall be made so cheap that a holder will be furnished with each dozen blades, without increasing the cost of the blades, and the blades when mounted in the holders will be given a very thin coating of paraffin or other rust resisting material, so that no individual wrapping of the blades will be necessary or desired. With the construction described, not only may the blades be readily inserted by being slipped into position under the overhanging end flanges, but they may be readily removed by sliding

the topmost blade out of the holder, the remaining blades being held in place by the projections A' and walls of the holder. Obviously either or both side walls B and B' may be of such height that the topmost blade may slide over the same, but it is preferred that the wall B' normally at the rear edge of the razor blade be the one over which the blade is removed, for with this construction there is less danger of the user being cut by the blade as it is being removed and its cutting edge is always protected. Of course, the package comprising the holder and blades mounted therein may be wrapped or placed in a suitable carton for distribution, but owing to the fact that the blades are firmly clamped against the overhanging end flanges there will be little or no danger of even the upper blade being accidentally displaced or working into a position where the cutting edge of the same can be injured.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States, is:

1. A razor blade holder embodying a receptacle having end and side walls and overlying flanges on the end walls having their inner faces above the level of the edge of a side wall and rigid inwardly extending projections on the end walls extending from the bottom of the receptacle upwardly for cooperation with end recesses in the blades there being a space above said projections for the

escape of the uppermost blade in a horizontal plane above the projection, and a yielding follower for holding the blades up against the flanges on the end walls.

2. A razor blade holder embodying a receptacle formed of sheet metal with bottom, end and side walls, the end walls having overlying flanges with their inner faces above the level of the edge of a side wall and projections in the ends of the receptacle for cooperation with end recesses in the blades, said projections being of the same height as the side wall of least height, whereby the blades may be withdrawn from the holder edgewise in a plane above the projections and a yielding follower for holding the blades against the said flanges.

3. A razor blade holder embodying a receptacle formed of sheet metal with bottom, end and side walls, the end walls having overlying flanges with their inner faces above the level of the edge of one side wall and the end walls being bent inwardly to form blade engaging projections of substantially the same height as the last mentioned side wall whereby the blades may be withdrawn from the holder edgewise in a plane above the projections, and a yielding follower plate having recesses for cooperation with said projections.

RICHARD MARX.

Witnesses:

THEO. C. BROOKS,
JOHN B. STETSON, Jr.