

I. KLEIN.
 RAZOR BLADE STROPPER.
 APPLICATION FILED NOV. 2, 1910.

1,000,923.

Patented Aug. 15, 1911.

Fig. 1.

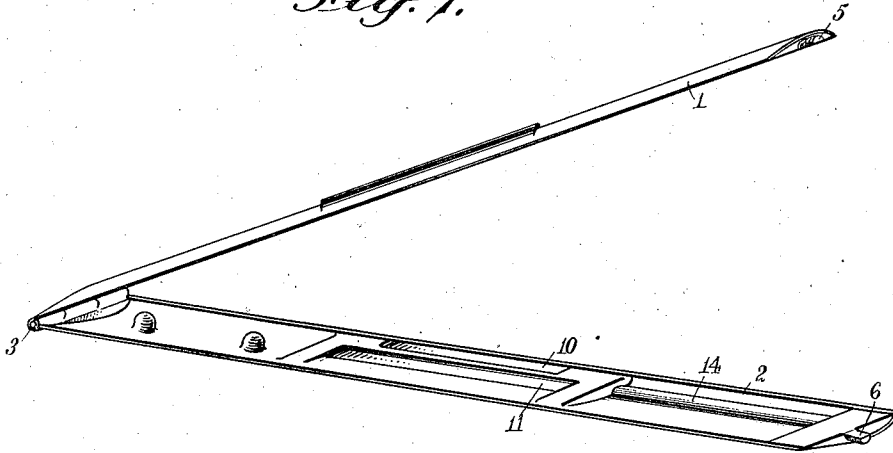


Fig. 2.

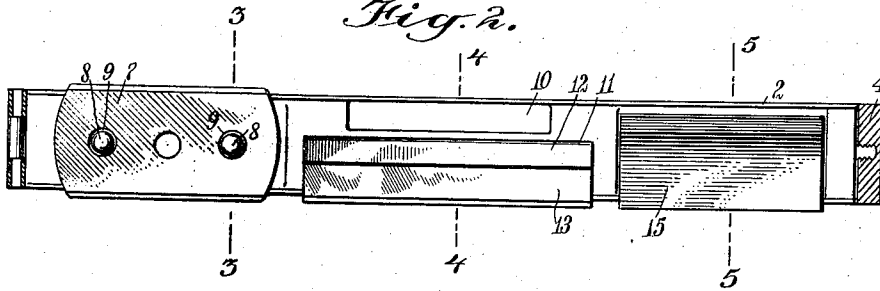


Fig. 3.

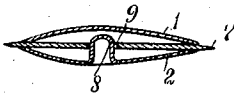


Fig. 4.

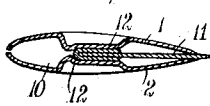
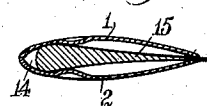


Fig. 5.



WITNESSES

Geo. W. May
A. W. H. H. H.

INVENTOR

Isidore Klein

BY *Mund*

ATTORNEYS

UNITED STATES PATENT OFFICE.

ISIDORE KLEIN, OF NEW YORK, N. Y.

RAZOR-BLADE STROPPER.

1,000,923.

Specification of Letters Patent. Patented Aug. 15, 1911.

Application filed November 2, 1910. Serial No. 590,330.

To all whom it may concern:

Be it known that I, ISIDORE KLEIN, a citizen of the United States, and a resident of the city of New York, Rockaway Beach, borough of Queens, in the county of Queens and State of New York, have invented a new and Improved Razor-Blade Strop-
per, of which the following is a full, clear, and exact description.

10 This invention relates to a new and improved device for holding safety razor blades of various types during the operation of sharpening.

15 An object of this invention is to provide a device which will be simple in construction, inexpensive to manufacture, strong, durable, and easily operated.

20 A further object of this invention is to provide a sharpener for safety razor blades, comprising a holder consisting of a plurality of leaves hinged together and having projections and recesses for securing the different types of safety razor blades so that they can be readily stropped or sharpened
25 in any suitable manner.

These and further objects, together with the construction and combination of parts, will be more fully described hereinafter and particularly set forth in the claims.

30 Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views, and in which—

35 Figure 1 is a perspective view showing the device open, ready to receive a safety-razor blade; Fig. 2 is a horizontal longitudinal section; Fig. 3 is a section on the line 3—3 of Fig. 2; Fig. 4 is a section on the line 4—4 of Fig. 2; and Fig. 5 is a section on the line 5—5 of Fig. 2.

40 Referring more particularly to the separate parts, it will be seen that this holder comprises a pair of members 1 and 2, hinged together at 3 by any suitable form of hinge joint. These members are of the nature of leaves, and are adapted to be locked together in their closed position by means of a nut 4, which engages a screw formed of
50 two half screws 5 and 6 provided on the end of each of the leaves 1 and 2. These half screws 5 and 6, when they come together, form a whole screw, which will engage in the screw-threaded socket on the
55 nut 4, and thereby lock the two leaves in their closed position. The nut 4 preferably

conforms to the quasi-elliptical form of the cross section of the two leaves when closed together. While these leaves may be made of any suitable form and material, they are preferably stamped out of sheet metal, and have various projections and concavities therein, to hold various types of safety razor blades between them.

For the Gillette blade, the form of which is indicated at 7, there are provided a plurality of projections 8, which engage in openings 9 normally found in the Gillette safety razor blade. The width of the leaves of the holder at this point is such as to permit each edge of the Gillette blade to project a sufficient amount to permit both edges to be sharpened without removing the blade from the holder.

For such blades as the "Ever-Ready", the "Gem Junior" and "Kampfe Bros.", there is provided a recess 10 in each of the leaves 1 and 2, which is adapted to engage the ridge or fold normally found on these razor blades, and is located at such a distance from one of the edges of the holder as to permit the edge of the razor blade to project beyond the latter a sufficient distance to permit the edge of the razor blade to be sharpened.

For such safety razor blades as the "Sex-to-Blade", the width of which is of somewhat less magnitude, there is provided a recess 11, in which fits the enlargement 12 on this type of blade, indicated at 13. This recess 11 is located at the proper distance from the edge of the holder or sharpener, so that it will permit the edge of the blade to project a sufficient distance to be sharpened.

For such blades as the "Gem", which more nearly resembles an ordinary razor in cross section, and is provided with a considerable enlargement formed integral with the blade and extending gradually from the front edge to the back, there are provided recesses 14 in each of the leaves, so located and formed as to secure such type of blade, indicated at 15, between the leaves of the holder, in such a position that the edge thereof will project beyond the holder a sufficient distance to permit the blade to be sharpened.

The utility of the device will be readily understood when taken in connection with the above description.

This device can be sold with the understanding that it can be used with any one

of a plurality of different types of safety-razor blades. If the owner happens to have a Gillette razor, a blade similar to the blade 7 can be inserted between the leaves of the holder or sharpener, and the leaves secured together by the nut 4. The projections 8 will secure the blade in such a position that it will be prevented from swinging, and it will be possible to sharpen both edges of the blade without opening the sharpener.

If the "Gem" type of blade is used, the opposite end of the holder or sharpener can be used to secure the blade, as indicated in Figs. 2 and 5, and the operator then grasps the hinge end of the holder during the sharpening operation. Other types of blades can be conveniently sharpened by securing them in the depressions or cavities 10 and 11.

It will be seen that the device can be made very cheaply from sheet-metal, by any well-known stamping operation, and can be adjusted to any type of blade in a very short time.

It will be noted that, inasmuch as the recesses and projections are formed by stamping out of the sheet metal, on one side of the holder, those portions of the holder which are used to retain the razor blades will be in the form of projections on one side, and on the opposite side will be in the form of cavities or recesses.

While I have shown one embodiment of my invention, I do not wish to be limited to the specific details thereof, but desire to be protected in various changes, alterations and modifications which may come within the scope of the appended claims.

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

The combination with a holder, comprising a pair of leaves pivotally connected together at one end, and means for detachably connecting said leaves at the other end, one of said leaves having a pair of projections arranged in spaced relation at one end of said holder, adapted to engage in openings in a razor blade, said leaves having depressions on their opposed faces at the end opposite to that at which said projections are provided, adapted to receive a razor blade, said leaves also having a plurality of depressions interposed between said projections and said first-mentioned depressions, adapted to receive other types of razor blades.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ISIDORE KLEIN.

Witnesses:

H. WHITING,

PHILIP D. ROLLHAUS.