L. W. STETSON.

DEVICE FOR HOLDING SAFETY RAZOR BLADES.

APPLICATION FILED OCT. 10, 1911.

1,028,626. Patented June 4, 1912.

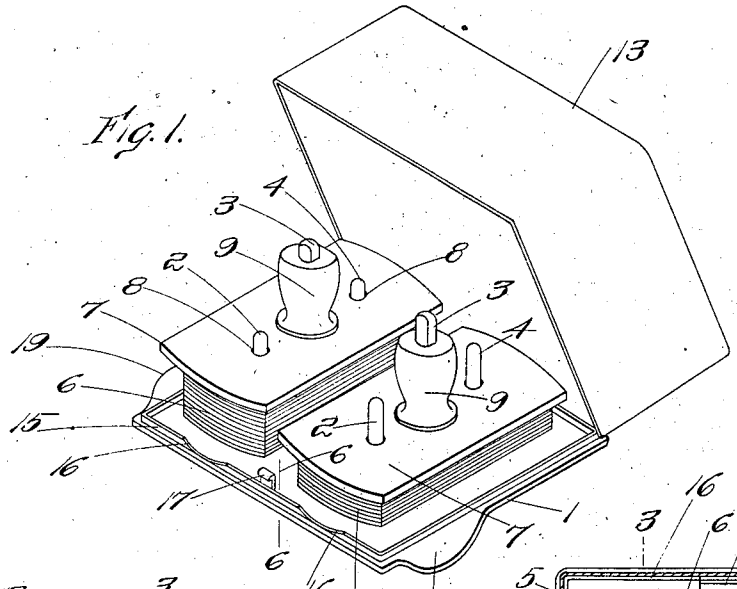

Fig. 1.

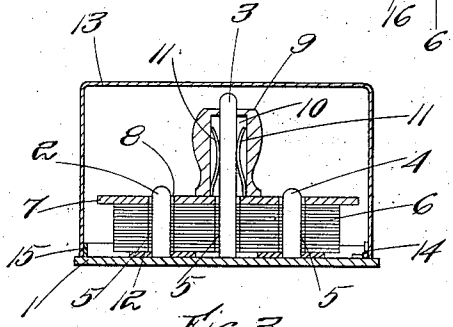

Fig. 3.

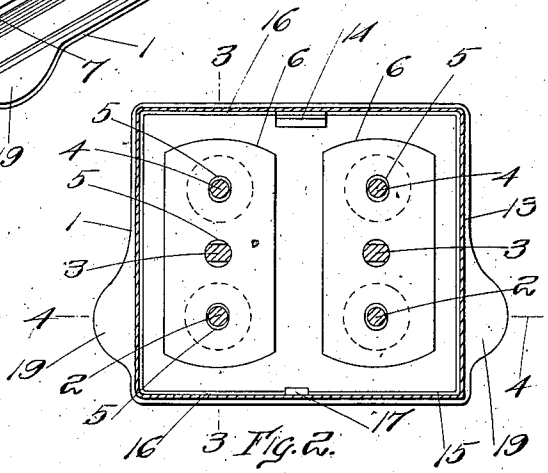

Fig. 2.

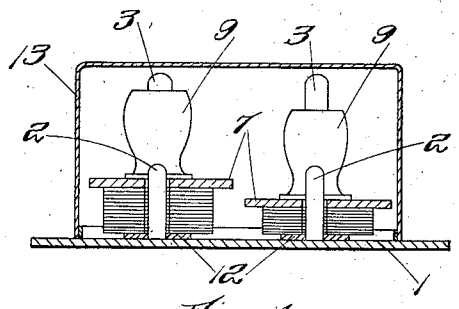

Fig. 4.

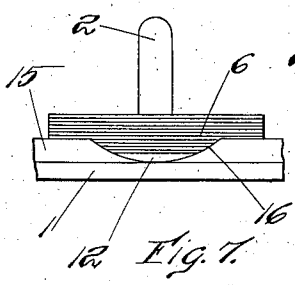

Fig. 7.

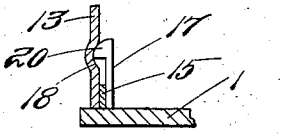

Fig. 5.

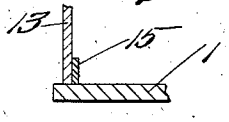

Fig. 6.

Witnesses:
John H. Parker
Jessie E. Morrison

Inventor:
Leon W. Stetson
by Macleod, Calver, Copeland & Dike
Attorneys.

UNITED STATES PATENT OFFICE.

LEON W. STETSON, OF WHITMAN, MASSACHUSETTS.

DEVICE FOR HOLDING SAFETY-RAZOR BLADES.

1,028,626. Specification of Letters Patent. Patented June 4, 1912.

Application filed October 10, 1911. Serial No. 653,807.

To all whom it may concern:

Be it known that I, LEON W. STETSON, a citizen of the United States, residing at Whitman, county of Plymouth, State of Massachusetts, have invented a certain new and useful Improvement in Devices for Holding Safety-Razor Blades, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to a device for holding and protecting safety razor blades when not in use.

As is well known, safety razor blades become dulled after a short time of use so that it is necessary to frequently substitute a new blade or a freshly sharpened old blade and to this end it is necessary to have at hand a number of sharp blades ready for use. In order to protect the edges of the sharp blades from coming in contact with objects which would dull them before they are attached to the razor handle each blade is usually inclosed in a separate wrapper and the packages of blades thus separately wrapped are packed in a box.

The object of the present invention is to provide a holding device whereby a number of blades may be held in a stack without individual wrapping and so protected that the edges of the blades will not come in contact with each other or any abrading surface and so retained that a single blade can be readily obtained when desired.

Another object of the invention is to provide means for double stacking the blades so that the same holding device may be employed for stacking and holding the sharp blades and for the dulled blades which have already been used until it is desired to remove them in a bunch to be newly sharpened.

The device is adapted for a holder for safety razor blades in common use. Many of the razor blades in common use are formed with a row of three perforations for attaching them to a handle of the safety razor and the drawings illustrate the holding device as constructed so as to take advantage of this form of construction of the blade although the invention is adapted for use with blades of other construction.

The invention will be fully understood from the following description taken in connection with the accompanying drawings, and the novel features will be pointed out and clearly defined in the claims at the close of this specification.

In the drawings, Figure 1 is a perspective view of a device embodying the invention showing the cover open and two stacks of blades. Fig. 2 is a horizontal section through the two stacks shown in Fig. 1. Fig. 3 is a vertical section on line 3—3 of Fig. 2. Fig. 4 is a vertical section on line 4—4 of Fig. 2. Fig. 5 is a sectional view of the base and front wall of the cover, partly broken away, to show the dust strip and catch. Fig. 6 is a sectional view of the cover and dust strip, partly broken away, on line 6—6 of Fig. 1. Fig. 7 is a front elevation, partly broken away, of the base and dust strip and one of the platforms.

Referring now to the drawings:—1 represents the base of the holding device which may be a plate of metal or any other suitable material. Rising from this base are two rows of pins, three pins 2, 3, 4, in each row, the pins in each row being spaced apart from each other equal to the distance between the three perforations 5 of each safety razor blade 6 so that the razor blades may be placed in a stack with the pins 2, 3, 4, passing through the perforations. One row of pins may be used for stacking sharp blades and the other row of pins may be used for stacking the dulled blades.

The middle pin 3 of each row is preferably made higher than the other two pins and is also preferably formed with flattened sides as shown in Fig. 2. A follower or press plate 7 is provided for each stack of blades, each press plate being formed with a row of perforations 8 corresponding in relative location to the row of pins so that the press plate may be placed on top of a stack of razor blades, the pins passing through the perforations in the press plate. Each press plate 7 is preferably provided with a handle or knob 9 attached to the press plate and having an aperture 10 therethrough for the passage of the middle pin 3. This aperture 10 should be of somewhat larger diameter than the pin 3 so as to allow a space on each side of the pin to receive a spring. Inclosed in the aperture 10 are binding springs 11 which bear against the flat faces of the pin 3, these springs being preferably secured at their lower ends to the inner periphery of the handle 9 or to the plate 7 within the aperture, it being imma-

terial to which one they are secured so long as they are made fast to prevent displacement. The springs are bowed so as to frictionally engage the flat faces of the pin 3, the upper end of the spring being free so as to yield when the press plate is pushed down over the pin. The tension of the spring is sufficient to prevent the plate from accidentally or too freely sliding on the pin. The press plate when shoved down onto a stack of blades will hold them firmly in position but it may be readily withdrawn by the hand so as to remove one of the blades.

In order that the lowermost blade may be grasped by the fingers after the other blades have been removed it is preferable to provide a slightly raised platform 12 of smaller size than the blade on which the bottom blade rests so that there will be a slight space under the blade to enable the fingers to grasp a blade. This platform may be simply a washer which is removable or it may be fast to the base as preferred. A cover 13 is preferably provided with a hinge 14 at one edge so that the cover may be swung back to gain access to the stack but which is ordinarily kept closed so as to protect the blades from dust. In order to still further protect the blades from dust which might come in between the base and the bottom of the cover a dust strip 15 is provided which rises from the base just inside of the cover. This dust strip may be of any suitable material and is formed with a depression 16 in its upper edge opposite each end of the razor blade so that when the cover is turned back the dust strip will not interfere with the fingers gaining access to the lowermost razor blade.

In order to retain the cover closed a catch is preferably provided on the inside in such manner as to hold the cover without making any hole through the cover because with such hole dust would enter the case. The form of fastening shown is a spring-catch 17 rising from the base 1 having a nose 20 which is adapted to engage with an indentation 18 in the front end of the cover 13 to hold the cover in closed position, the nose 20 being cam faced so that when it is desired to open the cover the spring will yield to release the catch if pressure is exerted to turn up the cover by one hand while the base is firmly held by the other hand. A projection 19 on the base is provided as a hand grasp to hold down the base while the cover is being turned back on its hinge.

While I have shown the invention as embodied in a holder having two stacks of blades because I deem that the preferred construction it is obvious that the invention may be embodied in a device having only one row of pins provided to hold a single stack of blades or it may be made larger so as to afford room for more than two stacks. It is also obvious that the number of pins in each row may be more or less than three according to the perforations in the razor and furthermore it is not absolutely necessary to have a stack-pin for each perforation although that is preferred.

What I claim is:—

1. A device for holding safety razor blades having a base provided with at least three pins rising therefrom adapted to loosely engage perforations in a stack of razor blades, a presser plate formed with perforations which are also engaged loosely by said pins, a handle which is rigidly connected with said presser plate and rises therefrom above an intermediate one of said perforations, said handle having an aperture which is of larger diameter than the perforation in the plate and extends vertically through said handle, and a spring friction device mounted within the said aperture in the handle and engaging the pin which passes through the handle.

2. A device for holding safety razor blades having a base provided with a plurality of pins rising therefrom adapted to loosely engage perforations in a stack of blades, one of said pins being formed with two flattened faces, a presser plate formed with perforations which are engaged loosely by said pins, a handle which is rigidly connected with said presser plate and rises vertically therefrom above that perforation in the presser plate which is engaged by the flat faced pin and has an aperture extending vertically therethrough to receive the said flat faced pin, and friction springs in said aperture in the handle which engage the said flat faces of the flat faced pin.

3. A device for holding safety razor blades having a base provided with a series of pins rising therefrom adapted to engage perforations in a plurality of razor blades, a presser plate formed with perforations also adapted to be engaged by said pins and to rest upon the top of the razor blades engaged by said pins, a platform surrounding some of the pins at the base thereof and of less diameter than the blades and forming a seat for the bottom blade slightly elevated above the base of the holder.

In testimony whereof I affix my signature, in presence of two witnesses.

LEON W. STETSON.

Witnesses:

WILLIAM A. COPELAND,

ALICE H. MORRISON.