

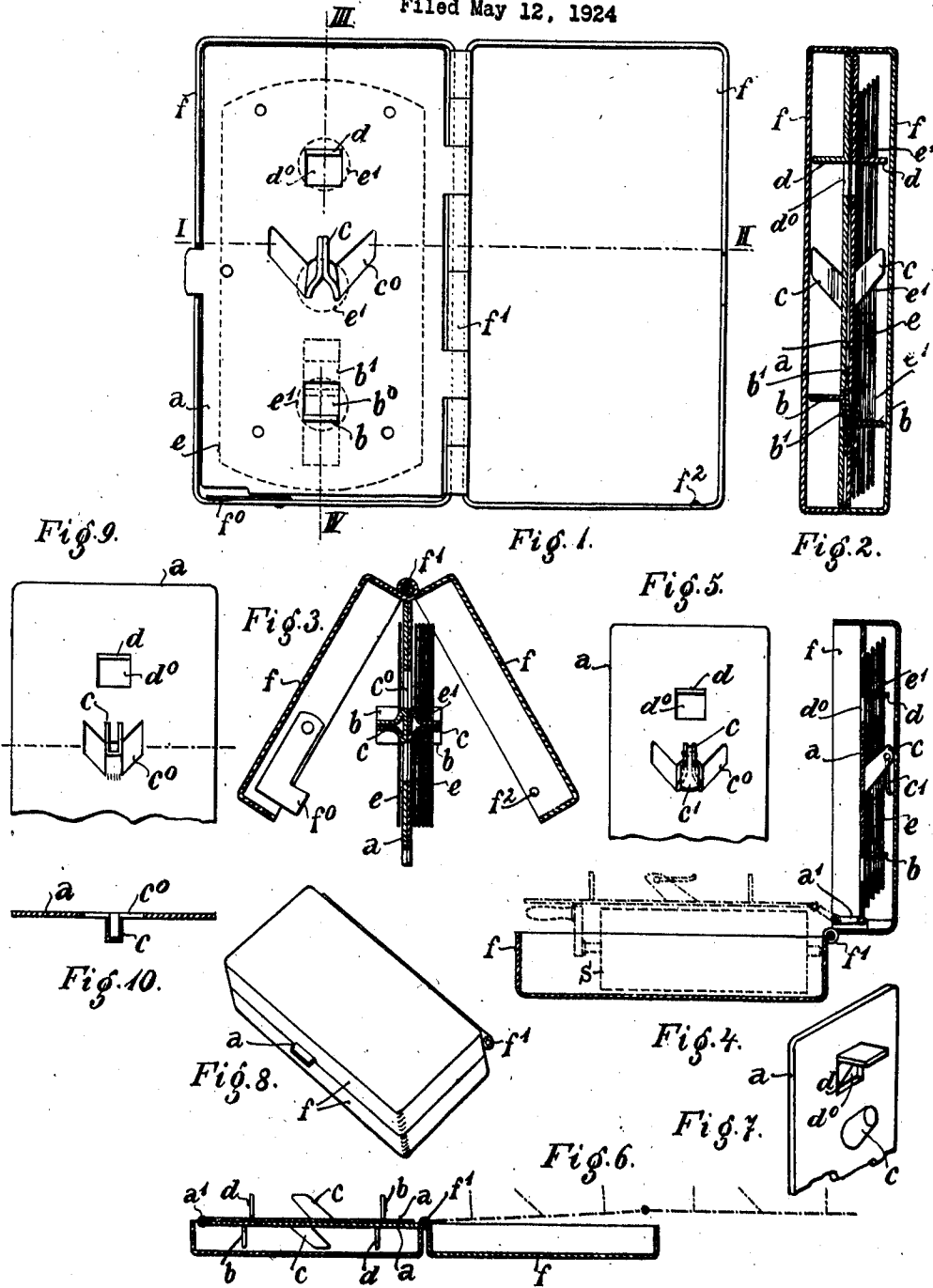
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CASE FOR SAFETY RAZOR BLADES

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CASE FOR SAFETY-RAZOR BLADES.

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This invention relates to a case for safety razor blades constructed so that the paper covers hitherto used to protect the edges may be dispensed with, while the blades can nevertheless be easily taken out for use and replaced, and the used and unused blades moreover are kept clearly separate from each other.

The case has the shape of a box suited to the form of the blades and it is provided with a movable plate with holders or studs on which the blades sit or hang in such a manner that the top blade requires only a slight push to rise and separate itself from the rest to such a degree that it can be easily grasped and without danger to the edges, taken off, and after use replaced. These holders for the blades, consist of two or three tongues, studs, or pegs, attached to the said plate which pass through the holes in the blades, and of which one at least is rounded or is in a sloping position to the plate and thereby causes the rising of the blade when pushed forward as described above. The fact that one or more of the studs has a sloping surface or edge causes the pile of blades also to take up a sloping position longitudinally, which facilitates the grasping of the top blade when pushed forward as above. The case and the plate for the blades can be made of various materials such as metal, wood, vulcanite, celluloid, and so on. To prevent the blades from slipping off the studs when not required they may be held in position by a small spring, lever, or bolt, attached to one of the holders or to the plate.

One of the holders is however adapted to be moved to or fro, so that by this means the edge or edges of the blades can be pressed against one or more of the other studs, the blades being thus held in position.

To keep the used and unused blades separate from one another and to avoid confusion, the plate is provided with two or more sets of studs, so that the used and unused blades are arranged in separate piles. This arrangement permits of using the blades in correct succession, whereby each blade can be given a rest.

Several embodiments of the invention are shown by way of example on the accompanying drawings in which:—

Fig. 1 shows the case in open position.

Fig. 2 is a vertical section on line III—IV of Fig. 1.

Fig. 3 is a cross section on line I—II of Fig. 1.

Figs. 4, 5 and 6, 7 show each another form of construction.

Fig. 8 shows the closed case.

Figs. 9 and 10 show another form of construction of the middle stud.

The case consists of two half-boxes of metal or other suitable material *f* connected by a hinge *f'* on which hinge the supporting plate *a* for the blades is also hingedly mounted. This plate *a* is composed of two plates of sheet metal rigidly connected with one another. Studs *b*, *c*, *d* designed to receive the razor blades *e* project from either surface of plate *a*. The middle stud *c* is upwardly inclined so that the blades *e* in the pile placed on this middle stud *c* slope correspondingly (Fig. 2), whereby the grasping and removal of the top plate from the pile is facilitated. The studs *b*, *c*, *d* are preferably stamped out of plate *a* and bent into the required forms. *b*^o, *c*^o, *d*^o, designate in all figures the holes resulting from the stamping out of the studs from the plate. The inclined middle stud *c* instead of being tongue-shaped as shown in Figs. 1, 3 and 5 may be of conical shape as shown in Fig. 7. Or the middle stud *c* may be of U-shaped cross section as shown in Figs. 9 and 10.

The blades can be secured in their position on the studs in various ways. According to Figs. 1–3 the studs *b* are movable so that they can be adjusted in the holes *e'* of the razor blades whereby the edges of the holes in the blades are pressed against one of the inclined sides of the middle stud *c* and locked in their position as soon as the stud *b* is pushed in downward direction (Fig. 2 at the right), so that none of the blades can drop off the studs. By pushing stud *b* upward, towards the middle stud, all the blades are released. The arrangement is preferably made so that the lower hole of the razor blades *e* has slightly more play on stud *b* (Fig. 1 positions of *b* and *c* indicated in dotted lines) than the central hole *e'* has on the middle stud *c*. When, in order to remove the top blade from the pile, the pile of blades is somewhat pushed in upward direction the lower edge of the middle hole of this top blade strikes against stud *c* and ascends, as the greater play on stud *b* permits it, upon the inclined surface of stud *c* so that, the upper end of the top

plate separating from, the blade beneath can be easily gripped by the hand, and the blade can be removed from the pile. This is the same for all the other forms of construction where the shape and arrangement of the studs *b*, *c* are the same in relation to the holes in the blades.

To prevent accidental opening of the case, for instance when carried in the pocket, the case is provided with a locking arrangement consisting of a spring *f*^o on the one half of the box and of a catch *f*² on the other half of the box. Fig. 8 shows the case closed and of approximately natural size.

Instead of on the two sides of plate *a*, the studs *b*, *c*, *d* for the razor blades *e* may be arranged on two plates *a*, *a'* (Fig. 6) connected the one with the other by a hinge *a'*. One of these plates *a* is also mounted on the hinge *f* of the case. For use the two plates can be pulled out into one level as indicated by the dotted line in Fig. 6.

The supporting plate for the blades with the studs *b*, *c*, *d* instead of being mounted in a case, might for instance be mounted in the lid of a safety razor strop-case (Fig. 4). In this case the plate *a* is hingedly mounted on a hinge or joint *a'* in such a manner that it can be lowered from the lid together with the blades as indicated in dotted lines, the blades being thus made more accessible. In the form of construction shown in Figs. 4 and 5 the pile of blades *a* can be held securely to the studs by means of a lever *c'*. If the crank of the stropping apparatus leaves sufficient space to mount the pile of blades on the bottom plate of the apparatus the studs *b*, *c*, *d* might be fixed on this bottom plate.

I claim:-

1. A case for safety razor blades comprising in combination a case composed of two parts, a hinge connecting said two parts, a plate mounted on said hinge between said two parts, three studs on said plate over which holes of the razor blades are to be placed the middle of said studs being upwardly inclined so that when the top blade on the pile of blades is pushed upward the edge of the middle hole of said top blade ascends on the inclined surface of the middle stud so that the blade being separated from the pile can be easily gripped by the hand and removed.

2. A case for safety razor blades comprising in combination a case composed of two parts, a hinge connecting said two parts, a plate mounted on said hinge between said two parts, three studs on either surface of said plate over which holes of the razor blades are to be placed the middle one of said studs on each side of the plate being upwardly inclined so that when the top blade on the corresponding pile of blades is

pushed upward the edge of the middle hole of said top blade ascends on the inclined surface of the middle stud so that the blade being separated from the pile can be easily gripped by the hand and removed, the lower of the three studs being of such a form and so arranged that the corresponding hole in the blades is allowed more play on this stud than the middle hole on the middle stud, whereby the rising of the blades when pushed forward is facilitated.

3. A case for safety razor blades comprising in combination, a case composed of two parts, a hinge connecting said two parts, a plate suspended on said hinge between said two parts of the case, three studs on either side of said plate over which holes of the razor blades are to be placed the middle one of said studs on each side of the plate being upwardly inclined so that when the top blade on the corresponding pile of blades is pushed upward the edge of the middle hole of said top blade ascends on the inclined surface of the middle stud so that the blade being separated from the pile can be easily gripped by the hand and removed, the lower of the three studs being of such a form and so arranged that the corresponding hole in the blades is allowed more play on this stud than the middle hole on the middle stud, whereby the rising of the blades when pushed upward is facilitated.

4. A case for safety razor blades comprising in combination a case composed of two parts, a hinge connecting said two parts, a plate mounted on said hinge between said two parts, three studs on said plate over which holes of the razor blades are to be placed the middle one of said studs being upwardly inclined so that when the top blade on the pile of blades is pushed upward the edge of the middle hole of said top blade ascends on the inclined surface of the middle stud so that the blade being separated from the pile can be easily gripped by the hand and removed and one of said studs being movable for locking said plates in their position.

5. A case for safety razor blades comprising in combination a case composed of two parts, a hinge connecting said two parts, a plate mounted on said hinge between said two parts, said plate being composed of two sheets fastened together, three studs on said plate over which holes of the razor blades are to be placed the middle of said studs being upwardly inclined so that when the top blade on the pile of blades is pushed upward the edge of the middle hole of said top blade ascends on the inclined surface of the middle stud so that the blade being separated from the pile can be easily gripped by the hand and removed.

6. A case for safety razor blades comprising in combination a case composed of two

parts, a hinge connecting said two parts, a plate mounted on said hinge between said two parts, three studs stamped out of one of the sheets composing the supporting plate
5 over which studs holes of the razor blades are to be placed the middle one of said studs being upwardly inclined so that when the top blade of the pile of blades is pushed up-

ward the edge of the middle hole of said top blade ascends on the inclined surface of the middle stud so that the blade being separated from the pile can be easily gripped by the hand and removed. 10

In testimony whereof I affix my signature.

WILFRID HENRY WELLS.