

Oct. 26, 1954

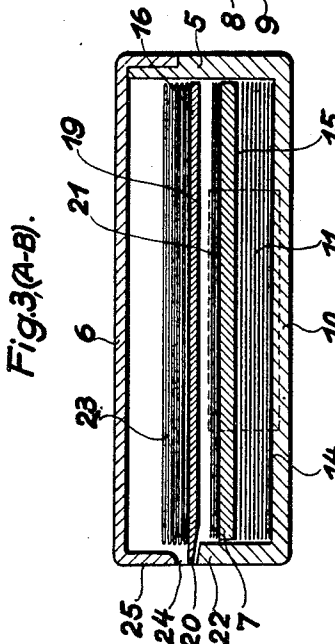
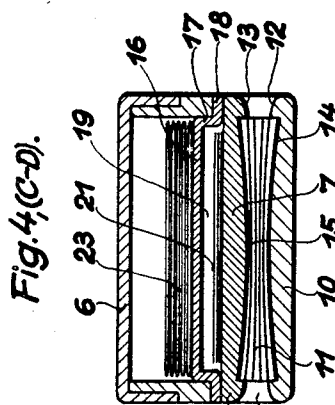
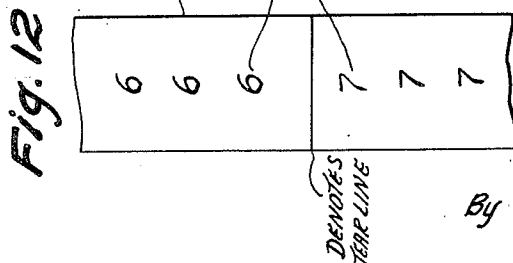
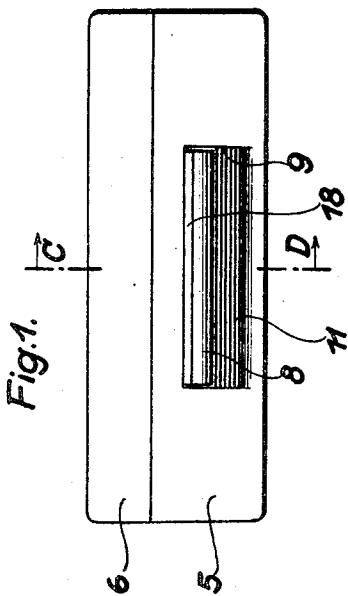
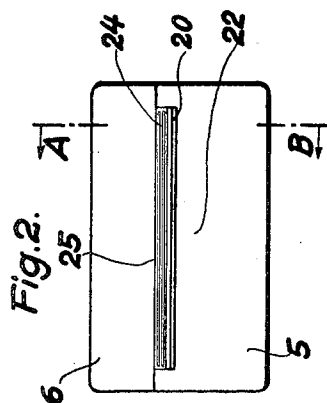
H. KRUFFT

2,692,673

BOX FOR RAZOR BLADES

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2 Sheets-Sheet 1



Inventor
Heinrich Krufft

By *James H. Poyton*
Agent.

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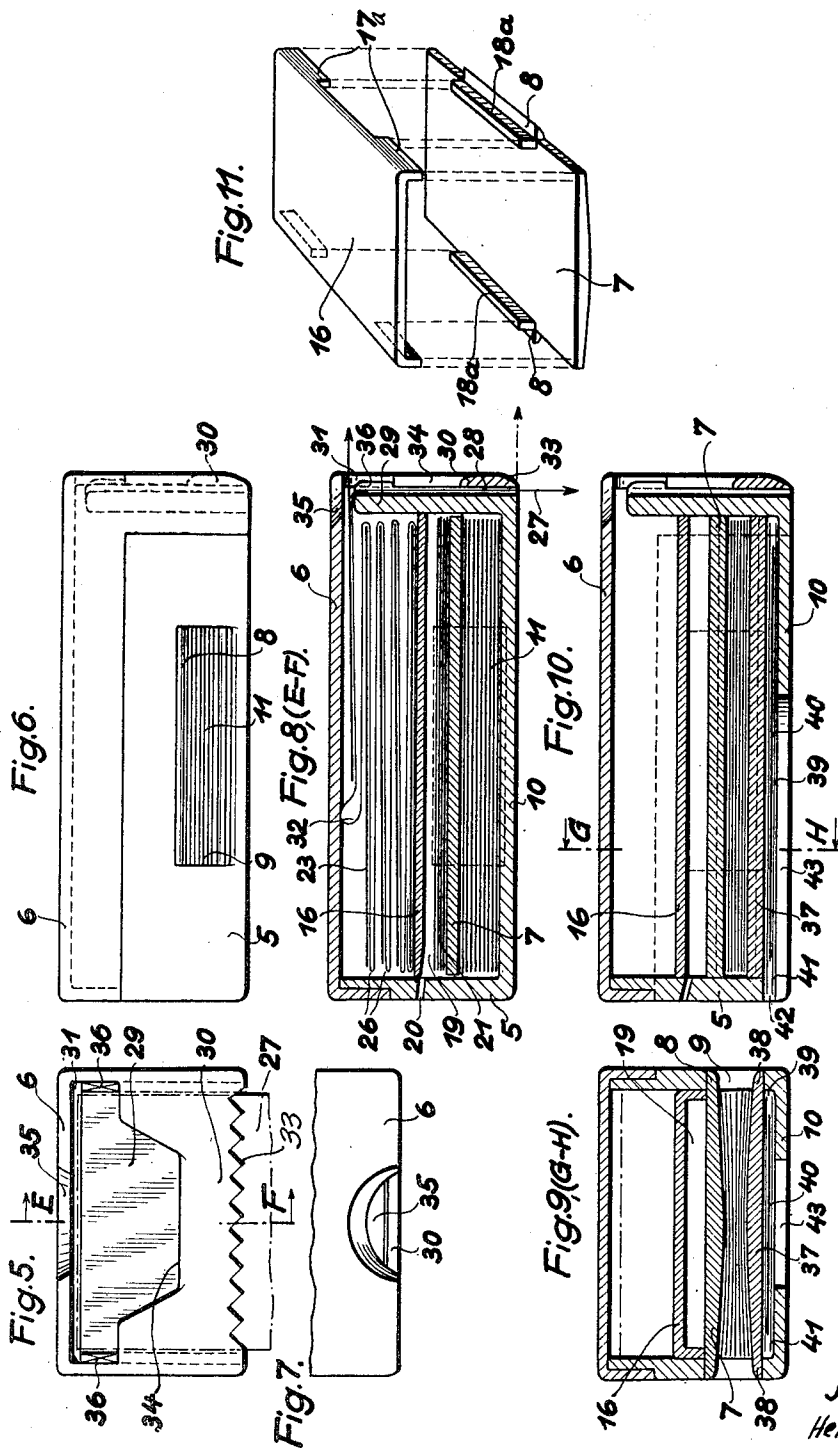
H. KRUFF

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BOX FOR RAZOR BLADES

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2 Sheets-Sheet 2



Inventor
Heinrich Kruff
By *Guiseppi A. von*
Agent.

UNITED STATES PATENT OFFICE

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BOX FOR RAZOR BLADES

Heinrich Kruff, Dusseldorf, Germany

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13 Claims. (Cl. 206—16)

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The present invention relates to a box for razor blades comprising a blotting paper pack so as to enable the blades to be dried after using them. It is an object of the present invention to provide a box holding a package of fresh blades, having a place for used blades, and being provided, in addition, with a drying device.

The box according to this invention has a detachable lid and two intermediate bottoms thus forming three compartments for a pack of loose blotting paper sheets, for used and fresh razor blades respectively.

Preferably all the compartments of the box should be provided with slots so as to enable fresh blades to be taken out or used blades to be put in. In the lower compartment of the box, for instance, in which the blotting paper is to be found, slots are arranged on either long side, the blades to be dried being drawn through them.

A box in accordance with the present invention, for instance, may be made of sheet iron, or all or part of its individual elements may be die cast or pressed from synthetic materials, such as plastics and the like.

The invention will appear more clearly from the following detailed description when taken in connection with the accompanying drawings, showing by way of example, a preferred embodiment of the inventive idea.

Fig. 1 is a lateral view,

Fig. 2 is a front view,

Fig. 3 is a longitudinal section in the direction of the line A—B of Figure 2,

Fig. 4 is a cross section in the direction of the line C—D of Figure 1,

Fig. 5 is a front view of a variation,

Figure 6 is a lateral view,

Figure 7 is a top view on the front edge of a lid,

Figure 8 is a longitudinal section in the direction of the line E—F of Figure 5,

Figure 9 is a cross section in the direction of the line G—H of Figure 10,

Figure 10 is another variation,

Figure 11 is an intermediate bottom,

Figure 12 is a view of the numbered strip.

A box made for instance from synthetic material consists of a case 5 having a detachable lid 6, which is set upon the tapered edge of the case. The case is provided with a lower intermediate bottom 7 which by means of ledges 8 projects into lateral slots 9 on either side of the case. The bottom 10 of the case 5 has an upper curved surface and the intermediate bottom 8 has a lower curved surface thereby defining a passageway having a restricted throat portion. A pack 11 consisting of loose blotting paper and put in between said two curved bottoms is under much higher pressure in the middle or throat portion than it is on the sides. Due to this de-

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sign a blade can, on the one hand, easily be introduced, and, on the other, well dried as it is subject to a high pressure in the middle of the case. With a view to improving the drying effect at the slots 9, the bottom 10 and the intermediate bottom 7 are provided with edges 12 rounded outward; thick blotting paper sheets 14 and 15 respectively are put in between said edges. As a result, the blades to be dried, when being slipped through, will never slide over the bottom or over the ceiling of the compartment, which ensures good drying.

Above the intermediate bottom 7, there is inserted another intermediate bottom 16, which is provided with edges 17, which have angular ledges 18 likewise projecting into the slots 9. In order to fit in these intermediate bottoms, the blotting paper pack is to be put in at first, the two intermediate bottoms 7 and 16 then being forced into the case, which is elastic to such extent that the ledges 8 and 18 respectively may slip into the lateral slots.

The upper side of the intermediate bottom 7, and the intermediate bottom 16 constitute a compartment 19, into which used blades 21 may be introduced from the front side through a slot 20.

The slot 20 is formed by the bevelled ledge of the front wall 22 and the bevelled lower side of the upper intermediate bottom 16, the edge of the front wall being placed higher than the lower side of the upper intermediate bottom. In this way it is impossible for a blade put in to be pushed out again through the slot.

On the intermediate bottom 16 there are stored fresh blades, which may be taken out either by removing the lid 6 or through a slot 24. The slot 24 should preferably be bordered by the front part of the lid 25 and the upper edge of the intermediate bottom 16.

According to another embodiment of the invention fresh blades are stored within the box in a zigzag package between a paraffin paper strip projecting from the slot 24 so as to enable one blade to be taken out by pulling said strip. It is therefore no longer necessary for the individual blades to be packed.

According to the embodiments of the invention as illustrated in Figures 5 to 11, the intermediate bottom 16 is slid, by means of angular and recessed ledges 17a, over corresponding ledges 18a of the intermediate bottom 7; said two bottoms are thereby fastened together. (Fig. 11.) The upper side of the lower intermediate bottom 7 and the intermediate bottom 16 constitute the compartment 19, into which used blades 21 may be introduced through a slot 20 from the back of the case 5.

On the intermediate bottom 16, there are stored fresh blades 23, which are laid between a paper strip 26 folded in a zigzag form. The foremost end 27 of the paper strip 26 is led through

a slot 28 provided between the front wall 29 of the case and the front edge 30 of the lid 6, said edge extending deeply downward. In the front edge 30 of the lid there is a slot 31, through which the blade lying on the paper strip leaves the box on the front side.

Pulling out the blade is moreover ensured by the part of the paper strip lying behind the blade which part forms a curve 32 (Fig. 8) and carries forward the blade. By using paraffin paper only the blade is secured so that it moves forward with the paper strip without its position being changed. Preferably the paper strip, by means of marks (shown in Fig. 12), is pulled out so far only that the curve 32 is approximately in the middle of the box so as to ensure that the blade package remains under elastic pressure.

The lower edge 33 of the front lid edge 30 is provided with a bevel or a toothing, thus forming a sharp edge by means of which the paper strip may be torn off at the marks. With a view to enabling the paper strip to be handled again, the foremost lid edge 30 is provided with a recess 34, and the upper lid edge with a recess 35, so that the paper strip may be moved with a finger.

When the lid of the case is made of a transparent synthetic material a sheet of paper printed with an advertisement or the like may be provided on its lower side above the zigzag package.

On both sides of the front of the case there are provided short cams 36, which, when the lid is put on the case, spring into the lateral parts of the recess 34. On the other narrow side the lid may then be glued fast to the case.

According to Figures 9 and 10, above the bottom 10 of the case there is provided another intermediate bottom 37, which likewise is clamped in the slots 9 of the case by means of lateral ledges 38. Another small division 39 is thereby made into which there may be slid through the slot 42 a used blade 40 by means of a blotting paper pocket 41, so that the blade may be kept without its edges being injured. The bottom 10 is provided with a recess 43 to ensure the pocket 41 containing the blade 40 being slid out easily.

What I claim is:

1. Box for razor blades comprising a case defined by a bottom wall, side walls and end walls, a detachable lid closing the open end of the case, at least two intermediate bottoms arranged within said case and dividing said box into a plurality of compartments for fresh razor blades, used blades, and for blotting paper, each of said side walls having a slot therein leading to the compartment for the blotting paper and means defining slots in at least one of the said end walls in communication with the compartments for the fresh blades and the used blades, respectively.

2. Box for razor blades comprising a case defined by a bottom wall, side walls and end walls, a detachable lid closing the open end of said case, an upper and a lower intermediate bottom arranged within said case and dividing the same into an upper compartment for new blades, a middle compartment for used blades, and a lower compartment for a pack of loose blotting paper sheets, said box having slots in said side walls of said case leading to said lower compartment, a slot left between the edge of one end wall of said case and the lower side of said upper intermediate bottom, said slot leading to said middle compartment, and a slot left between the edge of one end wall of said lid and the upper side of

said intermediate bottom, said slot leading to said upper compartment.

3. A box for razor blades according to claim 2 in which said two intermediate bottoms are provided with ledges, said ledges being inserted into the slots provided in the side walls of said case.

4. A box for razor blades according to claim 2 comprising in the upper compartment a paper strip folded in a zigzag form and fresh razor blades laid between the folds of said paper strip.

5. A box for razor blades according to claim 2 in which said bottom wall of said case and said lower intermediate bottom have convexly curved opposite surfaces.

6. A box according to claim 5 comprising rounded edges bordering said slots in the side walls leading to said lower compartment.

7. A box according to claim 6 comprising a pack of loose blotting paper sheets and thick blotting paper sheets at the top and bottom of said pack inserted between said convexly curved opposite surfaces so that when a wet blade is passed through said sheets the same is dried.

8. Box for razor blades comprising a case defined by a bottom wall, side walls and end walls, a detachable lid having side and end walls closing the open end of said case, and an upper and a lower intermediate bottom arranged within said case and dividing the same into an upper compartment, a paper strip folded in a zigzag form, fresh razor blades laid between the folds of said paper strip inserted in the upper compartment, a middle compartment for used blades, and a lower compartment for a pack of loose blotting paper sheets, said box having slots in said side walls of said case leading to said lower compartment, a slot between the edge of one end wall of said case and the lower side of said upper intermediate bottom, said slot leading to said middle compartment, a slot for pulling through said paper strip, said slot being between an end wall of said lid and the adjacent case end wall covered by said lid end wall, and a slot for removing a new blade provided in said lid end wall above said adjacent case end wall.

9. In a box for razor blades according to claim 8, an opening provided in said lid end wall permitting said paper strip to be moved.

10. A box for razor blades according to claim 8 in which the lower edge of said lid end wall is toothed.

11. In a box for razor blades according to claim 8, an opening provided in said lid end wall and a cam provided on said case end wall, said cam fitting into said opening.

12. In a box for razor blades according to claim 8, a paper strip having marks thereon indicating the number of blades still left in the box and the place where to tear off the strip.

13. In a box for razor blades according to claim 8 angular ledges provided at the intermediate bottoms, said ledges being engaged with each other and inserted into said slots provided in said side walls of said case.

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