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T. E. MOORE

1,973,222

DENTAL BUR HOLDER

Filed March 19, 1932

Fig. 1

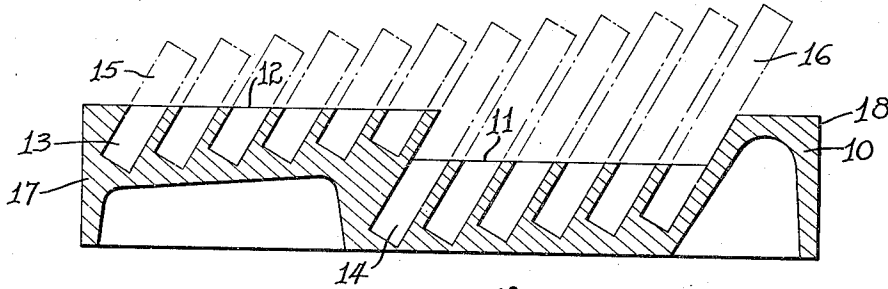


Fig. 2

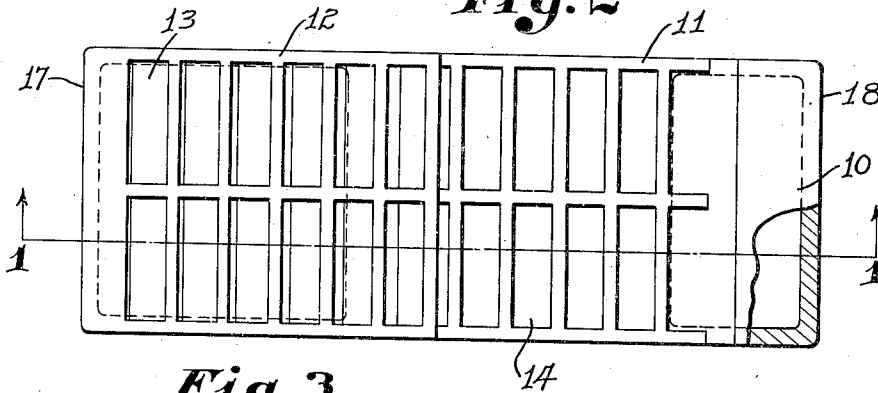


Fig. 3

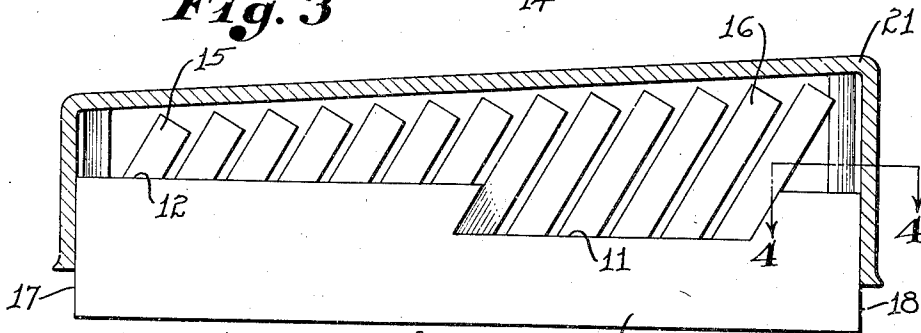


Fig. 6

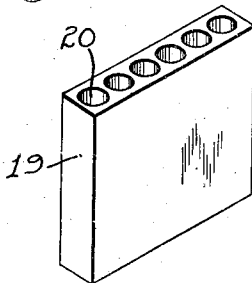


Fig. 5

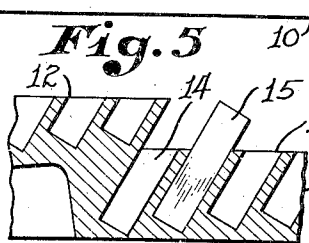
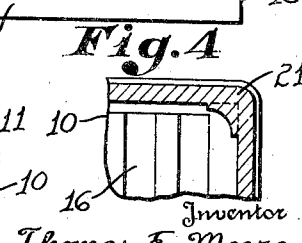


Fig. 4



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DENTAL BUR HOLDER

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6 Claims. (Cl. 206—17)

This invention relates to a bur holder and has for its object supplying a package of dental burs conveniently arranged for use by dentists and in such form that packages of different sizes are arranged in predetermined relation to each other, and may be replaced in the holder from time to time as they become exhausted. Details and other objects of the invention will appear as the description proceeds.

10 In the accompanying drawing forming a part of this specification Figure 1 is a longitudinal section of a holder with packages of burs indicated in dotted lines; Figure 2 is a plan view of the holder shown in Figure 1; Figure 3 is a side view of a holder having packages of burs placed therein, with a cover shown in section; Figure 4 is a detail section substantially on the line 4—4 of Figure 3; Figure 5 is a partial enlarged section on the same plane as Figure 1 and indicating a short package of burs misplaced in the holder; Figure 6 is an elevation of a package for burs with the burs removed.

In the construction illustrated the holder comprises a block 10 having in its upper surface a cut-away portion 11 and leaving a ledge portion 12 on a level with the top of the block. A plurality of sockets 13 are provided in ledge 12 and a plurality of similar sockets 14 are provided in the upper surface of cut-away portion 11. Packages of burs, indicated by dotted lines at 15 on Figure 1 and by full lines on Figure 3, may be positioned in sockets 13, and similar packages 16 of longer burs may be positioned in sockets 14. The bottoms of these sockets slant forward towards the front 17 of the block so that the upper ends of the packages will slant towards the rear 18 of the block. This block constitutes a holder which can be conveniently positioned by the dentists and have the packages of burs arranged therein in accordance with size so that the dentist may know exactly where to find the bur of the desired size and have it instantly available. A convenient package for the burs is indicated in Figure 6 in which there is a block 19 having therein individual sockets 20 which will receive the burs in an obvious manner.

A block 10 may be filled with a convenient assortment of burs and then provided with a cover 21, as indicated in Figure 3, thereby forming a convenient package in which a full assortment of burs may be shipped and sold. After once buying such a package, the dentist may replace the small packages, shown in Figure 6, as the burs become exhausted, the holder

block becoming a permanent part of the office equipment.

An important feature of the construction is the cut-away portion 11 by means of which the sockets 14 are sufficiently shallow so that, if by mistake a short package 15 of burs should be placed in a socket intended for the long packages 16, this short package would still project above the socket and therefore be easily removable. If it were not for this cutting away of portion 11, it will be readily understood from Figure 5 that the short package might be accidentally dropped into a socket 14 intended for a long package and it would be difficult to remove the short package under those circumstances as it would be entirely below the surface of the block. Ordinarily each of the packages such as shown in Figure 6 will be of burs of the same size, and these small packages may be arranged in the sockets in predetermined order and, whenever any of the small packages becomes exhausted, it may be replaced by another similar package containing the same size burs. In that way the dentist becomes accustomed to having a certain size of burs in a certain location in the holder so that he does not have to search for the size desired. It is preferable to have the depths of the sockets and the sizes of bur packages so arranged that there is a continuous increase in the upper level of the tops of the packages from the front to the rear of the holder, as most clearly shown in Figure 3. This arrangement, in conjunction with the rearward slant of the upper ends of the packages, exposes the burs so that they may be readily seized without any difficulty caused by the burs in the package in front thereof.

It will be readily understood that a greater or less number of sockets may be made in the block and that more than two levels might be used if found desirable.

Other changes may be made within the scope of the appended claims.

What is claimed is:

1. A package of dental burs comprising a block having its upper surface recessed over a portion thereof and in a single plane over the remaining portion thereof, sockets in the upper level of said upper surface and in the recessed portion thereof, a package of dental burs in each socket, there being relatively longer packages in the sockets in the recessed portion and relatively shorter packages in the other sockets and none of the sockets being as deep as the length of the shortest package.

2. A holder for packages of dental burs com-

prising a block having a recess in its upper surface and having the remainder of its upper surface on a level, a plurality of sockets in the recessed portion, and a plurality of sockets in the upper level surface of the block, the sockets being adapted to receive dental burs and the bottoms of the sockets in the upper level being materially above the bottoms of the sockets in the recessed portion and a cover fitting over the block and having the portion of its top over said recess at least as high as the portion of its top over the sockets in said upper level.

3. A holder for dental burs having an upper level surface towards its front end and a lower level surface towards the back end and a plurality of sockets in each surface, the bottoms of the sockets slanting towards the front end of the block and the sockets being adapted to receive dental burs and a cover fitting over the block and having a top at least as high at the rear as at the front, the bottoms of the front sockets being nearer the top of the cover than the bottoms of the rear sockets and none of the sockets being as deep as the shortest burs for which the holder is adapted.

4. A holder for dental burs comprising a block having an upper level surface towards its front end and a lower level surface towards its rear end, there being a plurality of sockets in each

level, the sockets being rectangular in cross section and each adapted to receive a package of dental burs, the bottoms of the sockets slanting towards the front of the block and none of the sockets being as deep as the length of the shortest package of burs for which the holder is adapted.

5. A package of dental burs comprising a block having a plurality of sockets in its upper face, packages of dental burs in the sockets, the bottoms of said sockets slanting towards the front and the tops of the packages slanting towards the rear, the longer packages being in the rear and extending both upward and downward farther than the front packages, and a cover higher in the rear than in the front and fitting over the block and the packages projecting upward therefrom.

6. A package of dental burs comprising a block having its upper surface higher in front than in the rear and having sockets in its upper surface, packages of dental burs in said sockets, the packages in the rear sockets being longer than those in the front sockets and the depth of the deepest socket being less than the length of the shortest package, and a cover fitting over said block and packages.

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