

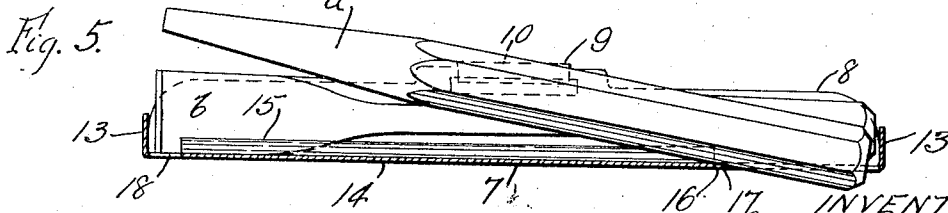
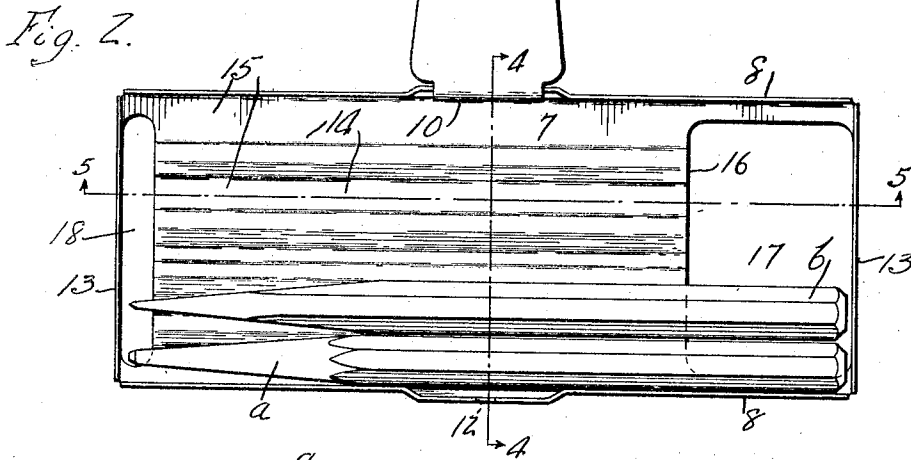
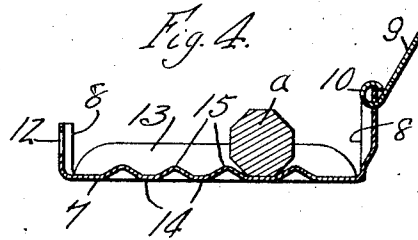
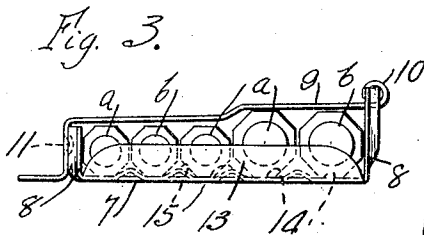
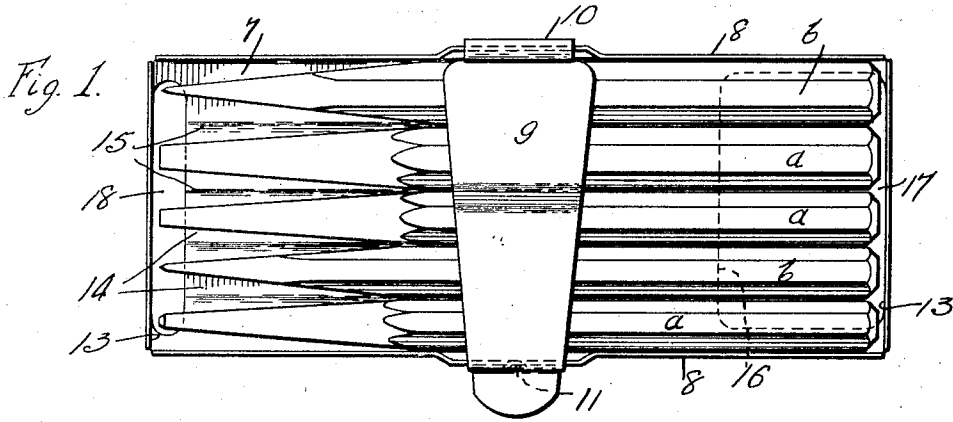
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HOLDER FOR TOOLS OR IMPLEMENTS

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HOLDER FOR TOOLS OR IMPLEMENTS

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This invention relates to improvements in holders or containers for tools or implements, and more particularly to an improved holder for a set of substantially straight and relatively slender tools or implements such as punches and cold chisels or any other substantially straight tools or objects.

One object of the invention is to provide a practical and desirable holder for this purpose, which is of simple and inexpensive construction, is composed of the minimum number of parts and is adapted to hold a set or kit of tools or implements of the character described in an orderly, convenient and compact arrangement, and which permits any one or more of the tools to be readily removed from the holder and replaced therein without disturbing the others.

Other objects of the invention are to provide a holder for the purpose stated having a main body portion formed from a single sheet metal plate provided with separate seats in which the tools can rest side by side and which seats prevent substantial movement or displacement of the tools; also to provide a movable retaining member which cooperates with said seats for holding the tools in such position; also to form said body portion in a manner to permit any one or all of the tools to be readily removed by merely depressing one end of the tool or tools with the thumb or finger as the holder is held in the hand; also to construct a holder having a main body formed from a sheet metal blank provided with integral side and end walls or parts and a bottom wall having corrugations therein forming seats for the tools, and also to improve holders or containers of the character described in the other respects herein-after set forth and claimed.

In the accompanying drawings:

Fig. 1 is a top plan view of my improved tool holder with the tools or implements in place therein.

Fig. 2 is a top plan view of the holder with

the retaining member in released position and some of the tools removed.

Fig. 3 is an end elevation of the filled holder.

Fig. 4 is a vertical transverse section thereof on line 4—4, Fig. 2.

Fig. 5 is a longitudinal sectional elevation on line 5—5, Fig. 2, showing the manner in which the tools or implements are removed from the holder.

The holder as shown in the drawings comprises a main body or tool containing part formed of sheet metal and having a tool supporting part or plate 7 preferably comprising a bottom wall and opposite upstanding parallel flanges or side walls 8 to one of which is hinged a movable, hasp-like retaining member 9. The member 9 is hinged to one side wall 8 and extends across the body or container, being formed to engage or lie close to the several implements in the holder, and is provided at its free end with a latch part releasably engaging the opposite side wall 8 for retaining the implements in the holder. Preferably the retaining member is hinged to the body by an integral loop 10 on one end of the member 9 passing loosely through a hole in one side wall 8, and the latch is preferably formed by an integral projection 11 on the free end of the member 9 adapted to snap into a hole 12 in the other side wall 8.

As shown, the holder contains a set of relatively slender, straight tools or implements comprising, for example, punches *a* and cold chisels *b*. These are arranged lengthwise and side by side in the holder parallel with the side walls 8 thereof, and preferably the tools are made of the same length. The holder body is provided with opposite, transverse end walls or parts 13 which form obstructions to and confine the tools from any substantial endwise movement in the holder, thereby preventing the tools from dropping out of the holder.

In order to prevent the tools from shifting

about laterally in the holder and to enable them to be confined in their intended order, the supporting plate, part or bottom wall 7 of the holder is formed with a plurality of lengthwise grooves or corrugations 14 which form individual seats in which the tools rest, and the crests or raised portions 15 between the grooves form spacing or separating members which extend between the tools and act to confine them in the seats, and prevent them from lateral displacement as long as the retaining member is in closed position, even when the holder is subjected to violent movement.

The shank portions of the tools illustrated are of polygonal cross section and of different diameters, and the corrugations 14 are preferably made to conform substantially thereto, but the holder can be used for tools or articles of circular or other cross section and of like or different sizes. With tools of circular cross section, the separating members 15 form suitable obstructions for preventing the tools from rolling about and becoming displaced, especially when one or more of the latter have been removed.

The tools are thus arranged and retained in an orderly manner side by side so that any one is instantly available by releasing the retaining member 9, as shown in Fig. 2.

Preferably, to facilitate the removal of the tools, one end of the plate or wall 7 of the body, as shown particularly in Figs. 2 and 5, is cut away, thus providing a straight transverse edge 16 separated from the adjacent end wall by a relatively large aperture or perforation 17. When the tools are in place in the holder, one end of each tool projects over said opening 17, and to remove any tool from the holder after the retaining member 9 has been released, it is only necessary to depress said end of the tool as shown in Fig. 5, so as to cause the tool to tilt on the edge 16.

This action causes the opposite end of the tool to project upwardly out of the holder where it can be readily grasped and removed. Nevertheless, when the retaining member is in closed position, the tools cannot drop out of the hole 16 as they are held firmly against the seats 14 by the retaining member.

Preferably, a narrow transverse hole or aperture 18 is formed in the plate or wall 7 at the other end of the holder adjacent the other end wall 13, thus facilitating the production of the body and enabling the end wall to be bent up without crumpling or creasing, as would be apt to be the case if the corrugations 14 extended to said end wall. The aperture 17 also permits the other end wall 13 to be produced without deformation.

The tool holder described is of simple, inexpensive, and compact construction and is strong and durable. The tools are securely confined therein when the retaining member is fastened, and any tool can be easily and

quickly removed in the manner described. When one or more tools have been removed, the other tools remain in their intended seats by reason of the separating portions 15, and the engagement of the retaining member with the tools. This is especially desirable with tools of different transverse dimensions, as each will have its seat of appropriate size, and the tools remaining in the holder will not roll into the place intended for those which have been removed.

I claim as my invention:

1. A holder for a plurality of relatively slender tools, comprising a body portion having a wall provided with a plurality of lengthwise corrugations each of which forms a seat to receive one of said tools, said body portion having an aperture at one end of said wall over which an end of each tool extends, whereby, by depressing said ends of said tools into said aperture, the tools are caused to tilt on said end of said wall, thereby moving their other ends out of said corrugations into a position in which said tools can be readily grasped and removed from the holder.

2. A holder for a plurality of relatively slender tools, comprising a body portion provided with a plurality of lengthwise corrugations each of which forms a seat to receive one of said tools, said body portion having an aperture at one end thereof over which an end of each tool extends, whereby, by depressing said ends of said tools into said aperture, the tools are caused to tilt, thereby moving their other ends out of said corrugations into a position in which said tools can be readily grasped and removed from the holder, movable means for engaging the tools to hold them firmly in said seats to prevent them from dropping through said aperture, and said holder having transverse end portions forming obstructions to prevent said tools from moving endwise out of said holder.

3. A holder for a plurality of relatively slender tools, comprising a body portion having a bottom wall on which said tools rest side by side, said wall terminating in a transverse edge defining one side of an aperture at one end of said holder and over which an end of each tool extends, whereby, by depressing said ends of said tools the latter are caused to tilt on said edge to raise their other ends off said bottom wall so that said tools can be readily grasped and removed from said holder.

4. In a holder for a plurality of relatively slender tools, a body part formed of a sheet metal blank bent to provide a tool supporting wall and opposite projecting end walls, said body part having an aperture at each end of said tool supporting wall adjacent said end walls, and said tool supporting wall

being bent to form corrugations providing seats for said tools.

5 5. A holder for a plurality of relatively slender tools, comprising a body portion having a wall on which said tools rest side by side, said body portion having an aperture at one end of said wall over which an end of each tool extends, whereby, by depressing said ends of said tools into said aperture, the
10 tools are caused to tilt on said end of said wall to raise their other ends off said wall so that said tools can be readily grasped and removed from said holder.

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