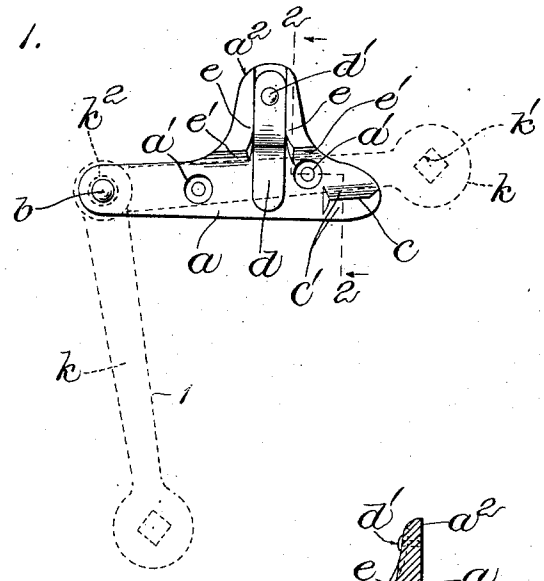
R. B. TAFT.

IMPLEMENT HOLDER.

APPLICATION FILED JUNE 30, 1910.

1,040,053. Patented Oct. 1, 1912.

Fig. 1.



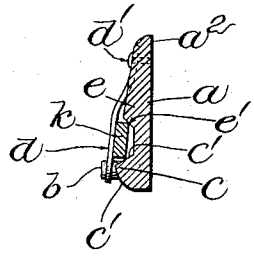
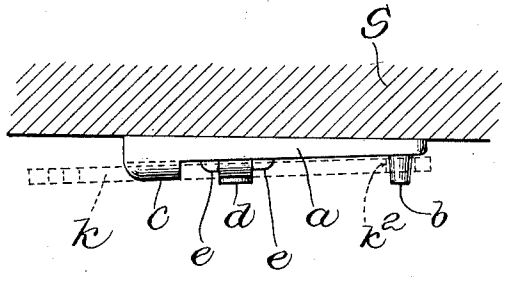


Fig. 2.

Fig. 3.



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UNITED STATES PATENT OFFICE.

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IMPLEMENT-HOLDER.

1,040,053. Specification of Letters Patent. Patented Oct. 1, 1912.

Application filed June 30, 1910. Serial No. 569,826.

To all whom it may concern:

Be it known that I, RAY BAKER TAFT, a citizen of the United States, and resident of South street, Hingham, in the county of Plymouth and Commonwealth of Massachusetts, have invented new and useful Improvements in Implement-Holders, of which the following is a specification.

This invention relates to devices for holding implements such as keys, wrenches and other small tools, and its object is to provide such a device of compact form, so that it will occupy small space, and one which will hold the implement securely against accidental dislodgment, at the same time permitting it to be readily inserted in and removed from the holder.

Although the device is susceptible of a much wider range of use, it is particularly designed for attachment to an automobile in some inconspicuous place to hold the key or wrench used in connection with the "Presto-lite" gas tank, so-called, and an embodiment of the invention suitable for such use is illustrated in the drawings, in which,—

Figure 1 is a plan view of an implement holder embodying my invention; Fig. 2 is a cross section on line 2—2 of Fig. 1; and Fig. 3 is a side or edge elevation of the device, viewed from the bottom of Fig. 1, showing the device attached to a support.

Referring to the drawings, *a* represents the base, in the form of a plate adapted to be screwed to the supporting surface, for which purpose it is provided with screw holes *a'*, *a'*. At one end of the base is a projection or pin *b*, and at the other end is a holding projection *c*, preferably beveled on each side as shown at *c'*, *c'*. These projections constitute holding members for the implement or key *k*, as presently to be described.

d is a leaf spring secured to the base and extending over the implement or key *k* between said holding projections, which are spaced apart as shown, yieldingly to hold the key against dislodgment from said holding members. The spring member *d* is preferably secured to an arm or extension a^2 of the base by a single fastener or rivet *d'*, and is prevented from swinging laterally by the lugs *e*, *e*, on the base, which form a channel or groove between them to receive the spring. The inner ends of the lugs *e*, *e*, serve also as a stop for the edge of the key *k* and are preferably beveled as shown at *e'*, so that when the key *k* is lodged between the projection *c* and the stop *e* (see especially Fig. 2) the edges of the key will rest against the two bevel surfaces instead of lying against the base, thus preventing any play of the key in the holder which might cause it to rattle.

The implement or key *k* may be provided as usual with a socket *k'* and a hole k^2 in the other end of the handle. To insert the key in the holder, one of the holes, as k^2, is placed over the pin *b* as shown in position 1 in Fig. 1, and the key is then swung on pin *b* as a pivot, the shank passing between the base and the end of spring clip *d*, which stands clear of the base as shown. When the implement meets the outer bevel surface *c'*, the spring *d* yields and allows the implement to ride up over the projection *c*, until it drops into the depression between the projections *e* and *c*, where it is yieldingly held by spring *d*, which forces it to its seat upon the two bevel surfaces as best shown in Fig. 2. To remove the implement, it is swung outwardly on *b* as a pivot, riding up on the inner bevel surface of projection *c*. In order to facilitate the removal of the implement, one end, preferably the free end which is remote from the pivot, is held farther away than the other end from the support S to which the device is attached, thus providing a clearance for the fingers between the end of the implement and the support. This is accomplished by making the base *a* thicker at that end than at the other end as shown in Fig. 3. It will be understood that the device may be secured to any suitable supporting surface, but it is preferably secured underneath a surface such as the under side of the seat of an automobile, as shown in Fig. 3.

I claim:

1. An implement holder comprising a base plate increasing in thickness from one end to the other, supporting means for an implement on each end of said base plate, and a spring finger intermediate said supporting means adapted to bear on said implement and hold it in place.

2. An implement holder comprising a base plate adapted to be attached to a relatively fixed support, a projecting pin on one end of said base, a pair of spaced lugs inclined on both sides on the opposite end of the base, and an intermediate spring to retain an implement placed on said pin and lugs, whereby said implement may be inserted and re-

moved from said holding parts without manually operating them.

3. An implement holder comprising a base plate adapted to be attached to a relatively fixed support, a projecting pin on one end, a lug inclined on both sides on the other end, a second lug inclined on its inner side spaced transversely of the base plate from the first named lug and nearer the projecting pin, and a spring finger extending across the base plate between the latter lug and the pin, the parts being so arranged that an implement may be swung on said pin to the first named lug and back of the spring finger, and riding over said lug be forced into and held by said finger between the spaced lugs.

4. An implement holder comprising a base plate adapted to be attached to a relatively fixed part, supporting means for an implement on each end of said base plate, and a spring finger intermediate said supporting means adapted to bear on the implement and retain it in place on the holder, the outer face of said base plate being at an angle longitudinally to its inner face to hold one end of the supported implement sufficiently far from the part on which the holder is attached to permit the fingers to easily grasp the implement.

Signed by me at Boston, Massachusetts, this 18th day of June 1910.

RAY BAKER TAFT.

Witnesses:
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