April 29, 1930. J. BREWER 1,756,627

KEY CASE

Filed Feb. 4, 1927 2 Sheets-Sheet 2

Fig. 7.

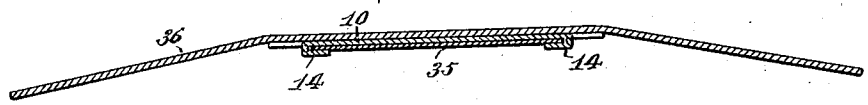


Fig. 8.

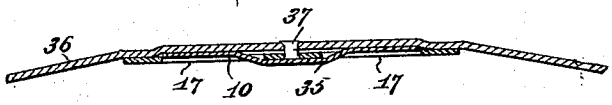


Fig. 6.

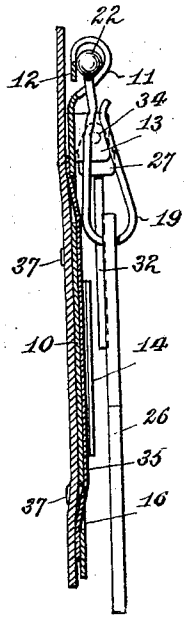


Fig. 8a.

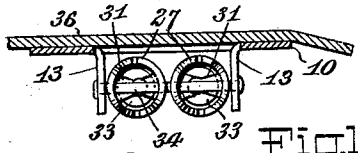


Fig. 9.

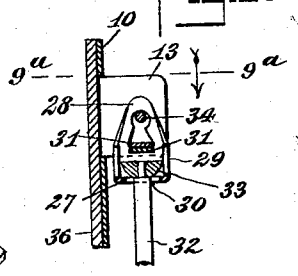


Fig. 11.

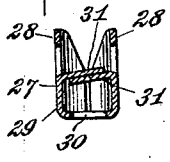


Fig. 10.

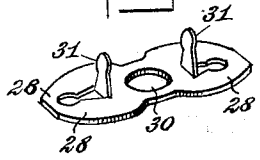
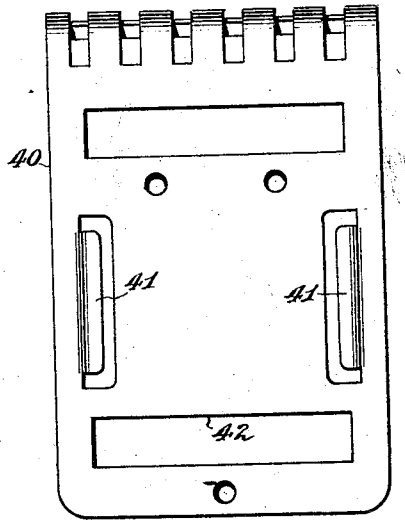


Fig. 12.



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UNITED STATES PATENT OFFICE

JOSEPH BREWER, OF NEW YORK, N. Y.

KEY CASE

Application filed February 4, 1927. Serial No. 165,929.

This invention relates to key cases of the type having individual key holders connected with a carrier plate, the latter piece attached to a flexible and foldable cover adapted to enclose the parts including the keys carried by the key holders.

The principal object of the present invention is the provision of a key case of the indicated character, which embodies novel structural features by virtue of which, the key holders may be easily and practically connected with the carrier member; so that each of the key holders will be swivelly and swingably connected to the end that the keys will be conveniently accessible when the foldable cover is opened, and to keep the keys from being bunched while the key case is being carried about; so that small keys may be associated with large keys in a manner to be easily selected; and so that identification and other indicia may be effectively incorporated in a simple manner.

The nature of the invention and its distinguishing features and advantages will appear when the following specification is read in connection with the accompanying drawing, in which—

Figure 1 is an elevation of the blank from which the key holder carrier plate is formed.

Fig. 2 is a similar view illustrating the blank shown in Fig. 1 ready for application to the flexible foldable cover, and for the association of the key holders and indentification means therewith.

Fig. 3 is a sectional view taken on the line 3—3 of Fig. 2 and illustrating the manner in which the key holders are connected with the carrier plate; a key holder being shown in full lines about to be brought into the position shown in dotted lines, and before the straight end portion of the plate is brought to its final position.

Fig. 4 is an elevation of the complete key case with the flexible foldable cover open, and illustrating the manner in which different size keys are held.

Fig. 5 is a view looking down on the key case with the cover shown open in full lines and in its overlapping closed condition in dotted lines.

Fig. 6 is a sectional view taken on the line 6—6 of Fig. 4.

Fig. 7 is a sectional view taken on the line 7—7 of Fig. 4.

Fig. 8 is a sectional view taken on the line 8—8 of Fig. 4.

Fig. 9 is a detail sectional view on an enlarged scale taken on the line 9—9 of Fig. 4.

Fig. 9ª is a sectional view taken on the line 9—9 of Fig. 9.

Fig. 10 is a perspective view of the blank from which the connector for some of the key holders is formed.

Fig. 11 is a sectional view of the connector formed ready for use.

Fig. 12 is an elevation of a modified form of key holder carrier plate.

The key case of the present invention, generally stated consists of a carrier plate preferably of metal which is attached to a flexible and foldable cover, of leather capable of enclosing by being overlapped around the carrier plate, key holders which are connected with the carrier plate, and identification means attached to the carrier plate.

Referring now more patricularly to Figs. 1, 2 and 3, it will be apparent that, there is illustrated a carrier plate 10 preferably of metal to give the necessary rigidity. This plate is stamped, bent and formed from a single piece of material to provide a series of rectangular openings 11, a transverse substantially straight end portion 12, apertured lugs 13 slightly below and to one side of the opening 11, bendable side portions 14, a transverse opening 15, substantially L-shaped openings 16 providing inwardly projecting portions 17, and holes 18. The lugs 13 are bent so as to be disposed substantially at a right angle with respect to the plane of the plate 10. The side portions 14 are directed inwardly over the body of the plate. The end portion 12 will be bent forwardly and then rearwardly in effecting the connection of the key holders with the carrier plate 10. The reasons for providing these features will appear as the description proceeds.

The key holders 19 to which the keys respectively are detachably connected may be diversely formulated but will in each instance

2. A key case carrier plate having spaced elongated openings therein, and inturned side portions spaced with respect to one face of the plate, said side portions being disposed substantially perpendicular to the edges presented by said openings.

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April 29, 1930. V. BUSH 1,756,628

CONSTANT POTENTIAL APPARATUS

Filed Oct. 5, 1925

Fig. 1

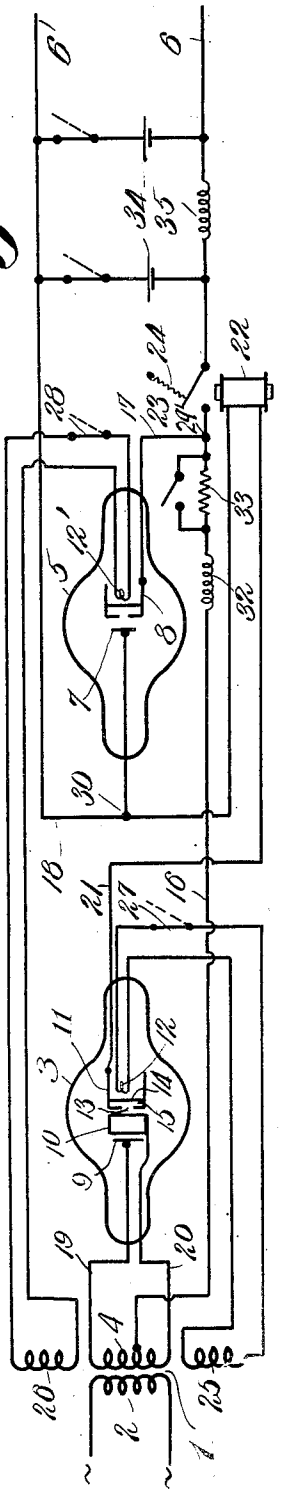
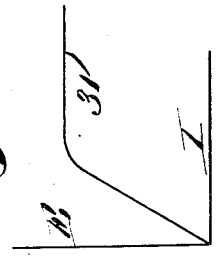


Fig. 3



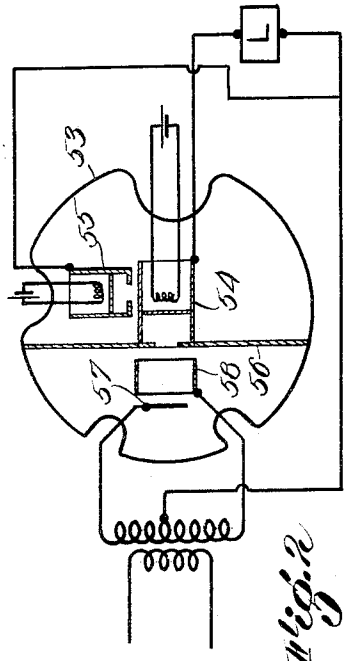


Fig. 2

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