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2,596,374

TIME INDICATING KEY HOLDER

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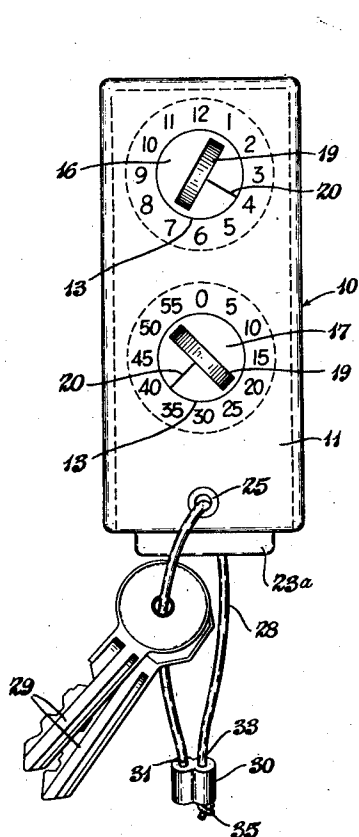


Fig. 1

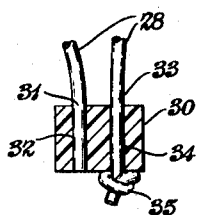


Fig. 7

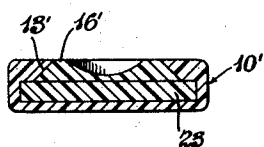


Fig. 8

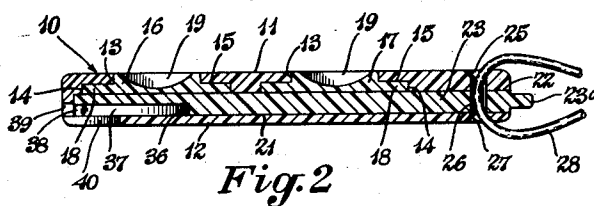


Fig. 2

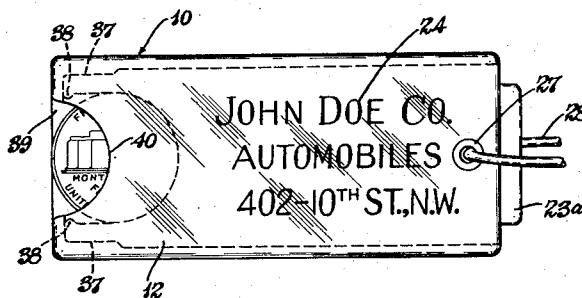


Fig. 3

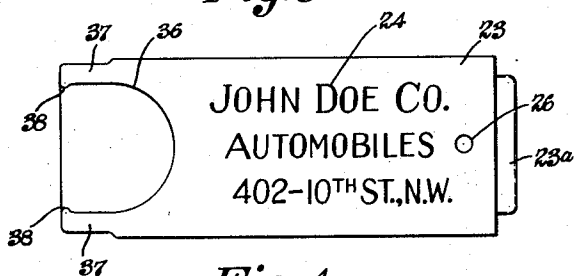


Fig. 4

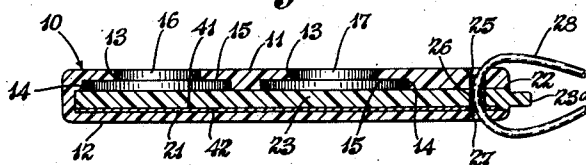


Fig. 5

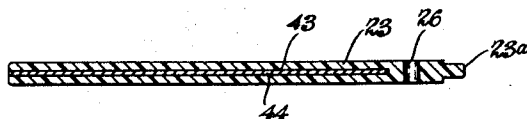


Fig. 6

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TIME INDICATING KEY HOLDER

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6 Claims. (Cl. 116-133)

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The invention relates to pocket key holders of the type used for automobile keys, and more particularly to time indicating means associated therewith.

It is an object of the invention to provide such a key holder with a manually adjustable time indicating device, whereby the driver when parking his car at a meter, or in a locality where parking time limits are prescribed, can set the time indicator to correspond with the expiration of the parking time, so as to avoid inadvertent overparking.

Another object is to provide such a key holder having a pair of rotatable discs therein for indicating the hour and minute when the parking time will expire.

A further object is to provide a key holder of this type in which each of the time indicating discs is provided with a diametric groove or slot whereby the disc may be easily and quickly adjusted by inserting the edge of a coin, or the like, into said groove or slot for rotating the disc to the desired adjustment.

A still further object is to provide such a key holder comprising a hollow case, the top wall thereof having spaced circular openings therethrough, said openings being of larger diameter at their inner ends, correspondingly shaped discs of the same thickness as the top wall, frictionally rotatable in said openings, and a removable slide, of the same thickness as the hollow interior of the case, located therein in holding the discs within the openings.

Another object is to provide a key holder of the type referred to in which the removable slide is held against accidental removal by the cord or chain carrying the keys.

It is also an object of the invention to provide such a key holder with means for containing a coin suitable for use in a parking meter.

The above objects together with others which will be apparent from the drawing and following description, or which may be later referred to, may be attained by constructing the device in the manner hereinafter described in detail and illustrated in the accompanying drawing, in which:

Fig. 1 is a front elevation of the improved key holder showing the time indicating means thereon;

Fig. 2 a longitudinal, sectional view through the key holder;

Fig. 3 a rear elevation;

Fig. 4 a plan view of the removable slide;

Fig. 5 a longitudinal, section through a key holder provided with a slightly modified removable slide;

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Fig. 6 a longitudinal section through another form of removable slide;

Fig. 7 an enlarged, fragmentary, sectional view of a fastener for the key cord or chain; and

Fig. 8 a transverse, sectional view through a key holder with modified form of rotatable disc.

Referring now more particularly to the embodiment of the invention illustrated in the drawing, in which similar numerals refer to similar parts throughout, the improved time indicating key holder, to which the invention pertains, includes a flat, hollow case, indicated generally at 10, which may be formed of any suitable material, preferably a transparent plastic material, of the type generally known to the trade as Lucite.

This case 10 is preferably of elongated, rectangular shape, of a size to be conveniently carried in the pocket. It should be explained that for the purpose of clarity in illustration the device is shown in the drawing as larger than full size.

As shown quite clearly in Figs. 2 and 5, the front or top wall 11, of the case 10, is preferably of greater thickness than the back or bottom wall 12, for a purpose which will be understood as the description unfolds. The edges and corners of the case are preferably slightly rounded, as shown in the drawing, so as to provide no sharp edges to cause undue wear to the pocket in which the device may be carried.

A spaced pair of circular openings 13 are formed through the front wall 11 of the case, and, as shown in Figs. 2 and 5, each of these openings is enlarged at its rear or inner end, as indicated at 14, providing a flat annular shoulder 15.

The time indicating device comprises a pair of similar discs 16 and 17, which may be formed of the same material as the case 10, and each of which is shaped to correspond to said openings. These discs are of a thickness equal to the thickness of the front wall 11, of the case, and each disc has the annular flange 18 fitted within the enlarged inner end 14 of the opening, and bearing against the corresponding flat, annular shoulder 15. The discs, and their annular flanges are of such diameter that they will frictionally fit in the openings, so that they may be rotated therein but will remain in any adjusted position.

For the purpose of manually rotating the discs, a slot or groove 19 is formed in the top or front face of each disc, for receiving the edge of a coin, such as a nickel or penny, which the driver will have handy, particularly if he is parking at a parking meter.

Surrounding the opening 13 for the hour disc 16, the numerals 1 to 12 are stamped or im-

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printed upon the surface of the front wall 11 of the case, and in the same manner the numerals 0 to 55 surround the opening 13 for the minute disc 17. If desired, where the case 10 is formed of transparent plastic material, these numerals may be imprinted upon the flat annular shoulders 15, so that they will be visible through the front face of the case.

In order to indicate the parking time each disc 16 and 17 has a radial indicator hand or marking 20 on its front face, so that as the discs are rotated the indicator markings 20 may be positioned as desired relative to the hour and minute numerals, to indicate the time at which the parking period will expire.

For instance, as shown in Fig. 1, the indicator 20, of the hour disc 16, is pointing to the numeral 4, and the indicator 20, of the minute disc 17, is pointing between the numerals 35 and 40, showing that the parking period will expire at about 4:37.

An elongated, rectangular pocket 21 is located within the case 10, between the front and back walls 11 and 12 respectively thereof, and extends throughout substantially the entire area of the interior of the case. This pocket is just slightly deeper than the thickness of the discs 16 and 17, in order that in assembling the discs in the case the discs may be slidably inserted through the open end 22 of the pocket and positioned to register with the openings 13 in the front wall 11 of the case and then pushed upward into said openings.

For the purpose of holding the discs in position in said openings, a slide or filler 23 is inserted into the pocket 21 of the case. This slide may be made of any suitable material, preferably a transparent plastic material, and is of such width and thickness as to have a substantially snug, sliding fit within the pocket. In order to permit removal of the slide from the pocket, if desired, the slide may be of such length that one end thereof will extend beyond the open end of the pocket, and this end of the slide may be reduced in width and thickness as indicated at 23a.

Any desired advertising matter, or other legend, as indicated at 24, may be imprinted or stamped upon the back face of the slide or filler, so that it will be visible through the transparent back wall 12 of the case, as shown in Fig. 3. It should be explained that, if desired, such advertising matter may be stamped or imprinted directly upon the back wall 12, especially where the case is not made of transparent material.

In order to hold the slide or filler 23 against accidental removal from the pocket 21, so as to retain the parts in assembled position, registering apertures 25, 26 and 27 are formed through the end portions of the front wall, slide and back wall respectively, for receiving the usual key chain or cord.

Instead of using the conventional key chain, a plastic rope or cord 28 may be threaded through these apertures, to carry the car keys 29. The ends of this plastic rope may be attached to a suitable fastener, indicated at 30 in Figs. 1 and 7, which may also be made of plastic, or other suitable material. One end 31, of the plastic rope may be inserted through the bore 32 in said fastener, and cemented or otherwise attached, and the other end 33 of the plastic cord may be inserted through the bore 34 and knotted, as shown at 35. If desired of course,

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both ends of the plastic rope may be inserted through the corresponding bores in the fastener 33, and knotted as shown at 35.

If it is desired to carry a coin in the key holder, for use in parking meters, a socket 36, of suitable size and shape to receive a coin, may be formed in the under side of the slide or filler 23, at the inner end thereof, as shown in Figs. 2, 3 and 4. The reduced fingers 37 are located at opposite sides of the entrance to the socket 36 and provided at their ends with the opposed projections 38, to retain a coin in the socket. The fingers 37 will have sufficient resilience to permit a coin to be pushed between said projections, into the socket.

The adjacent end of the case 10 is cut away, as at 39 in Figs. 2 and 3, to permit a coin to be inserted into the socket of the slide, and the bottom wall 12 of the case is notched, as at 40, to permit the coin to be removed by the fingers.

As shown in Fig. 5, the under side of the slide or filler 23 may be recessed, as at 41, so that a card or the like, as indicated at 42, bearing advertising matter or the like, may be received therein, whereby the advertising matter will be visible through the transparent back wall 12 of the case.

Another modification is shown in Fig. 6, in which the transparent slide or filler 23 may have a central pocket or recess 43 to receive a card 44, bearing advertising matter.

In Fig. 7 is shown a slight modification in which the case 10' may be made the same as above described except that the openings 13' for the discs are outwardly tapered and the peripheral edges of the discs are correspondingly tapered, as indicated at 16'. The slide or filler 23 is the same as above described and holds the discs in position in the manner explained in detail above.

I claim:

1. A time indicator comprising a flat case having a front wall and a back wall and a pocket of substantially the same thickness as the front wall located between said walls, there being a circular opening in the front wall, said opening being of larger diameter at its inner end, a correspondingly shaped disc frictionally rotatably mounted in said opening, a plurality of numerals indicating periods of time on the front wall surrounding said opening, a radially disposed indicating marker on the disc, and a removable filler slide snugly fitting in the pocket for holding the disc in frictional contact with the opening.

2. A time indicator comprising a flat case having a front wall and a back wall and a pocket of substantially the same thickness as the front wall located between said walls, there being a circular opening in the front wall, said opening being of larger diameter at its inner end, a correspondingly shaped disc frictionally rotatably mounted in said opening, a plurality of numerals indicating periods of time on the front wall surrounding said opening, a radially disposed indicating marker on the disc, and a removable filler slide snugly fitting in the pocket for holding the disc in frictional contact with the opening, there being a diametric groove in the disc for insertion of a coin and the like for rotating the disc.

3. A time indicator comprising a flat case having a front wall and a back wall and a pocket of substantially the same thickness as the front wall located between said walls, there being a circular opening in the front wall, said opening being of larger diameter at its inner end, a correspond-

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ingly shaped disc frictionally rotatably mounted in said opening, a plurality of numerals indicating periods of time on the front wall surrounding said opening, a radially disposed indicating marker on the disc, and a removable filler slide snugly fitting in the pocket for holding the disc in frictional contact with the opening, and means for preventing removal of said filler slide from said pocket.

4. A time indicator comprising a flat case having a front wall and a back wall and a pocket of substantially the same thickness as the front wall located between said walls, there being a circular opening in the front wall, said opening being of larger diameter at its inner end, a correspondingly shaped disc frictionally rotatably mounted in said opening, a plurality of numerals indicating periods of time on the front wall surrounding said opening, a radially disposed indicating marker on the disc, and a removable filler slide snugly fitting in the pocket for holding the disc in frictional contact with the opening, there being registering apertures in the front and back walls and the filler slide, and a flexible member located through said apertures for preventing removal of said filler slide from said pocket.

5. A time indicator comprising a flat case having a front wall and a back wall and a pocket of substantially the same thickness as the front wall located between said walls, there being a circular opening in the front wall, said opening being of larger diameter at its inner end, and having a flat annular shoulder intermediate its ends, a corre-

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spondingly shaped disc frictionally rotatably mounted in said opening, a plurality of numerals indicating periods of time on the front wall surrounding said opening, a radially disposed indicating marker on the disc, and a removable filler slide snugly fitting in the pocket for holding the disc in frictional contact with the opening.

6. A time indicator comprising a flat case having a front wall and a back wall and a pocket of substantially the same thickness as the front wall located between said walls, there being a circular opening in the front wall, said opening being tapered and of larger diameter at its inner end, a correspondingly shaped disc frictionally rotatably mounted in said opening, a plurality of numerals indicating periods of time on the front wall surrounding said opening, a radially disposed indicating marker on the disc, and a removable filler slide snugly fitting in the pocket for holding the disc in frictional contact with the opening.

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