Jan. 11, 1949. W. J. HINES 2,458,778

CORK REMOVER

Filed Nov. 9, 1945

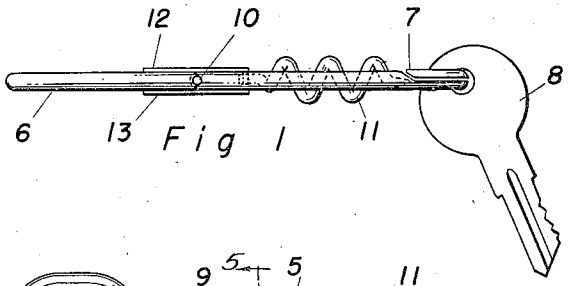


Fig 1

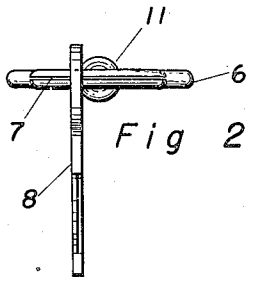


Fig 2

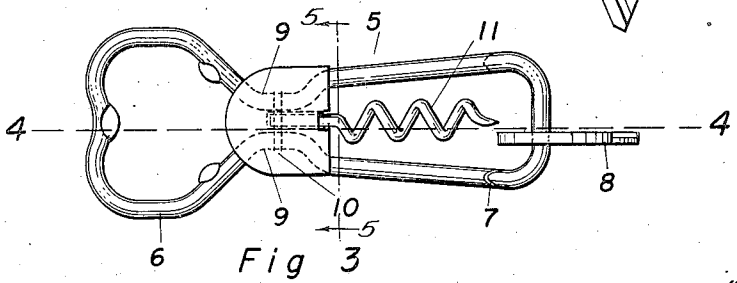
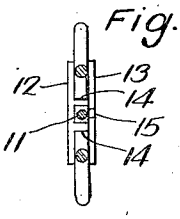


Fig 3

Fig.5.



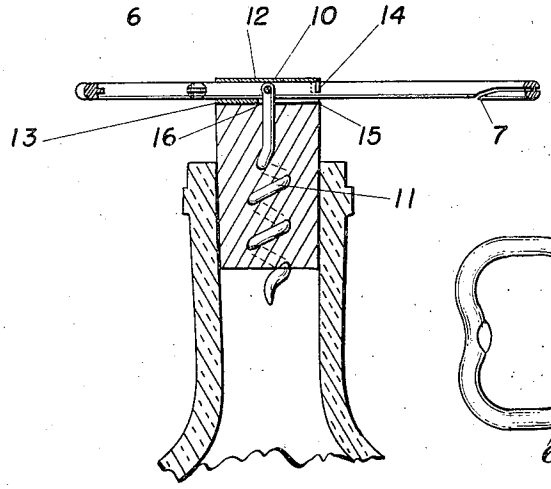
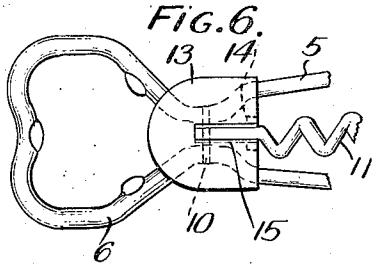


Fig 4

Fig.6.



INVENTOR.
William J. Hines
BY Edward C. Healy
Attorney

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CORK REMOVER

William J. Hines, San Francisco, Calif.

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1 Claim. (Cl. 81—3.45)

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This invention relates to improvements in appliances used by waiters and like workers for table and room service, and has particular reference to a combination key ring, bottle opener and cork screw.

The principal object of the invention is the production of an article of the character described, wherein the body or frame thereof serves not only at one end as a bottle opener and the opposite end as a key ring to retain keys therein, but the said body performs the dual purpose of supporting therein a cork screw and functions as a hand hold for operating the latter when a cork is removed from a bottle.

A further object of the invention is the production of an appliance that is simple in construction, economical to manufacture, strong, durable and highly efficient and serviceable in use.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals are employed to designate like parts throughout the same,

Fig. 1 is an edge view of the device constructed in accordance with my invention,

Fig. 2 is an end view of the same,

Fig. 3 is a top plan view of the appliance,

Fig. 4 is a vertical section through the device, the view being taken on the line 4—4 of Fig. 3, and also illustrating in section the neck of a bottle and a cork being removed therefrom,

Fig. 5 is a cross sectional view taken on the line 5—5 of Fig. 3, and

Fig. 6 is a bottom plan view illustrating to advantage the cooperation of the slot and shank of the corkscrew.

In service as a waiter it is frequently necessary to use a bottle opener and a cork screw and likewise keys are required to open silver closets, or for other uses. These articles when embodied as separate items are bulky in the pockets of the waiter and are frequently misplaced. Therefore to introduce to the trade an appliance that will overcome these inconveniences and annoyances I have devised the present invention.

In the accompanying drawing wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numeral 5 designates as a whole an elongated metal frame that is enlarged at one end to define a bottle opener 6 and is split adjacent its opposite end as at 7 to provide a medium for retaining a key or keys 8 therein.

It will be noted that the frame at approximately the medial portion thereof is inwardly bent as at

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9 and has journaled or otherwise secured therein a pin 10 to which a cork screw 11 is pivotally secured.

By virtue of this construction the cork screw can be readily removed from its inoperative position of Fig. 3 wherein it is in alignment with the walls of the frame, to the operative position of being substantially at right angles to the frame, as disclosed in Fig. 4.

The means for covering the pivotal connection of the cork screw with the pin comprises a top plate 12 and a lower plate 13, the said plates being preferably spot welded to the upper and lower surfaces of the frame adjacent the bent portions 9 thereof. The top plate 12 in addition to serving as a covering plate not only functions as a support for the thumb during a bottle opening operation, but also when a cork is being removed acts as a base on which a portion of the palm of the hand rests to assure a comfortable firm grip of the hand on the device. To eliminate danger of accidental displacement of the cork screw from its inoperative position of Fig. 3, I propose to provide spring fingers 14 on the base of the top plate that serve to retain the cork screw therein.

It will be noted that the lower plate 13 is slotted or recessed as at 15 to permit freedom of movement of the cork screw on its pivotal mounting when it is actuated to assume the cork extracting position of Fig. 4, or is enclosed within the frame as illustrated in Figs. 1 and 3. The shoulder 16 formed by the recess limits the lateral movement of the cork screw and thus serves to retain the same in the right angular extracting position relative to the frame.

From the foregoing description considered in connection with the accompanying drawing it will be obvious that I have devised a most unique appliance that will most conveniently serve as a bottle opener, a cork screw and a key ring.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that various changes relative to the material, size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention of the scope of the subjoined claims.

Having thus described my invention, I claim:

An appliance comprising an elongated open frame, a pin connected to and extending across said frame, a corkscrew pivoted to said pin, a top plate secured to said frame above said pin covering said pin and a portion of the shank of the corkscrew and having a pair of spring fingers depending therefrom to engage and to detachably retain said corkscrew within and in the plane of said frame, and a bottom plate coextensive with

said top plate and secured to said frame below said pin, said latter plate having a recess extending from one end of said bottom plate to and slightly beyond the pin and in registration with the pivoted end of the corkscrew, the closed end of said recess providing a shoulder capable of limiting the swinging movement of said corkscrew in one direction when the same is moved at right angles to said frame to its operative position.

WILLIAM J. HINES.

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The following references are of record in the file of this patent:

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