

Oct. 13, 1931.

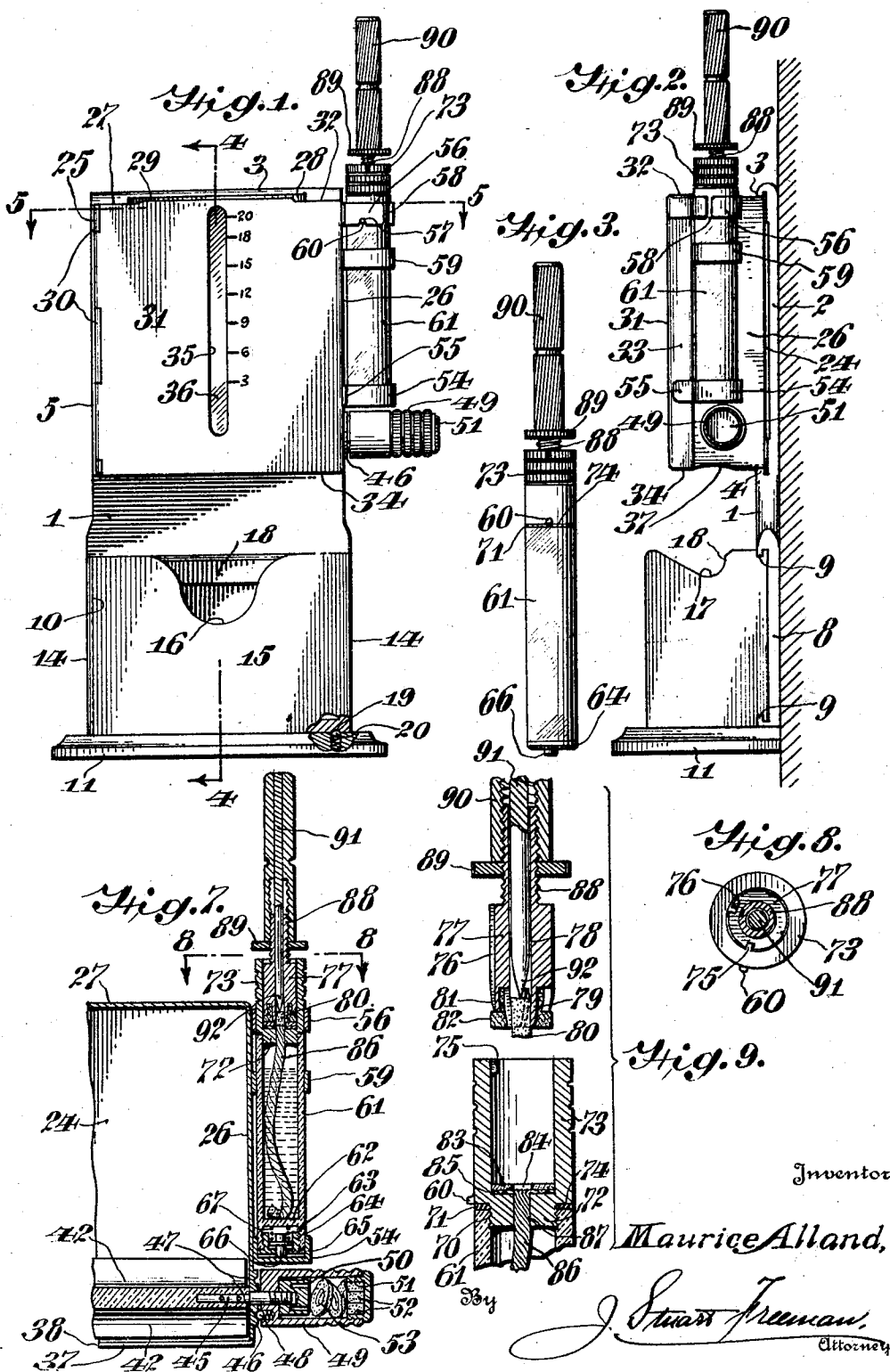
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CIGARETTE DISPENSER AND LIGHTER WITH DETACHABLE SUPPORT

Filed Oct. 11, 1928

2 Sheets-Sheet 1



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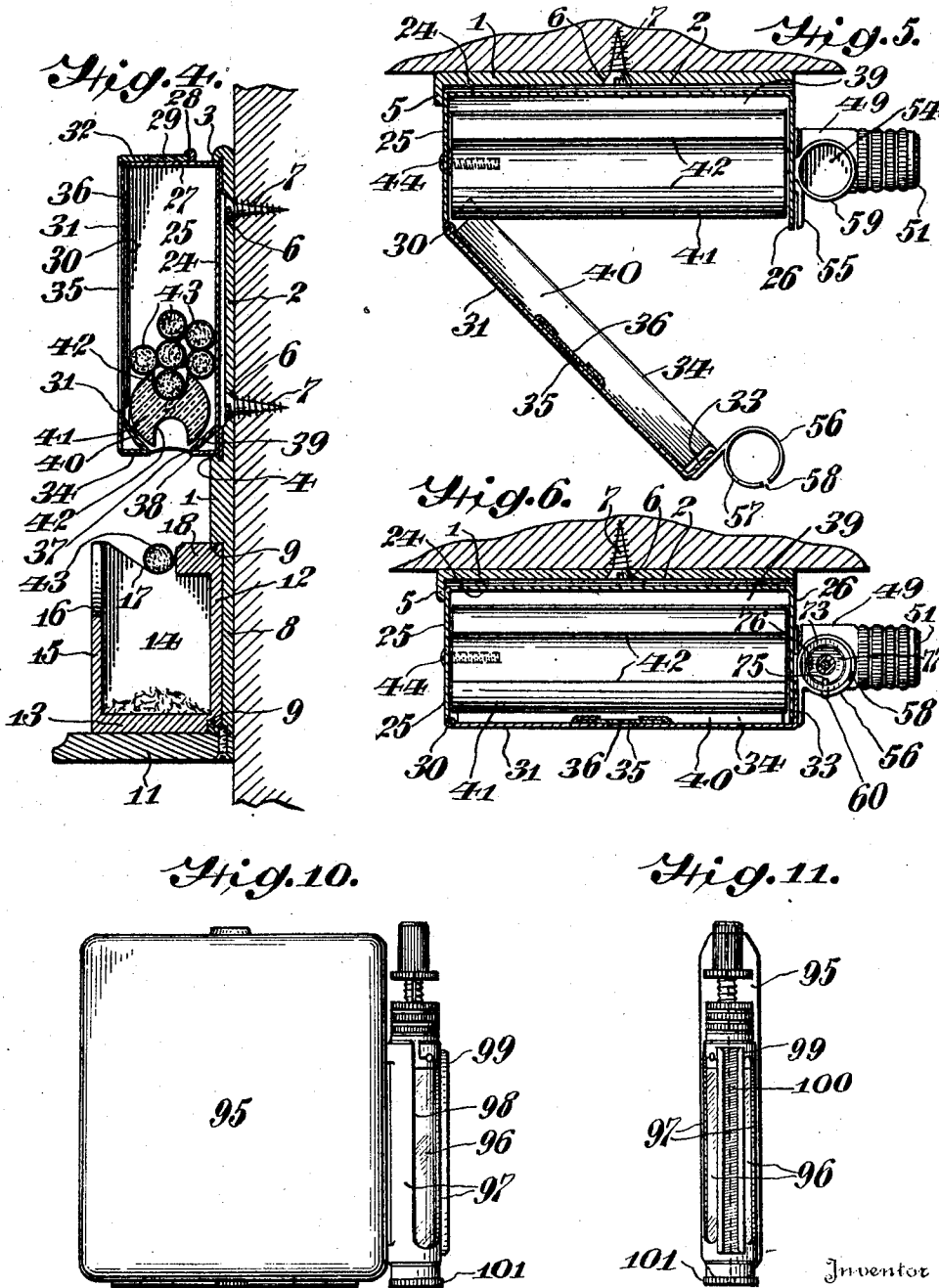
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CIGARETTE DISPENSER AND LIGHTER WITH DETACHABLE SUPPORT

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The object of the invention is to provide a combined cigarette holder, dispenser and lighter as a unit, in combination with a support upon which the unit is detachably mounted, together with an ash receiver also detachably carried by said support, the entire device being suitable for permanent use within a vehicle such as an automobile, or upon one of the walls of a room, or the side of a smoker's cabinet or other piece of furniture within a room of a residence, club quarters, or the like.

More specifically, the object of the invention is to provide a supporting element, which is adapted to stand upon any suitable supporting surface, or to be secured to any upright surface, in combination with a detachable unit cigarette (or cigar) holder, dispenser and lighter, an ash receiver also detachably mounted upon said element, and means to yieldingly maintain said unit and said receiver in normal operative position.

A further object is to provide a cigarette holder, comprising a receptacle having a dispensing aperture, means forming a magazine for extra flints, wicks, etc., and manually operable to cause and to control the passage of cigarettes through said aperture, said receptacle having an open side normally closed by a door, which in turn has an aperture covered by a transparent medium through which the contents of the receptacle are visible, a lighter, and means carried by said receptacle and said door and engageable by said lighter to normally secure said door in closed relation.

Still another object is to provide in such a device a lighter comprising the combination of a liquid fuel reservoir having a wick, a cylindrical reservoir extension to protect the exposed end of said wick and provided with a lug, adapted to removably secure within said extension a combined flint support and absorbent holder, said holder when in said extension maintaining the absorbent in contact with said wick, whereby said holder when withdrawn from said extension carries a body fairly well saturated with fuel and positioned adjacent to an exposed flint, which can be struck against any suitable surface

such as the abrading element carried by the upper wall of said receptacle.

And still further objects consist in providing the door of the cigarette holder with a window through which the contents can be seen and compared with means upon said door to indicate the number of cigarettes remaining within said holder; in providing an abrading device and means for operatively and removably supporting the same upon the upper wall of said holder; in providing a handle for the lighter, which, when detached from the latter, exposes a point which can be used to pry outwardly and adjust the wick of said lighter; in providing yielding means to removably secure said lighter in inoperative position upon said holder; in providing the combination of the improved lighter with a pocket cigarette holder; and in providing other details such as are hereinafter fully brought out, when the following description is read in conjunction with the accompanying drawings in which Fig. 1 is a front elevation of one embodiment of the invention; Fig. 2 is a side elevation of the same; Fig. 3 is an elevation of the lighter and fuel reservoir unit withdrawn; Fig. 4 is a vertical section on the line 4—4 of Fig. 1; Fig. 5 is a horizontal section on the line 5—5 of Fig. 1, but with the lighter unit removed and the door in open position; Fig. 6 is a similar section also on the line 5—5 of Fig. 1, but showing the door of the cigarette holder closed and the lighter unit in inoperative position retaining said door in closed position; Fig. 7 is a vertical section of a fragmentary portion of the holder and the lighter unit when carried thereby; Fig. 8 is a section on the line 8—8 of Fig. 7; Fig. 9 is an enlarged detail sectional view showing adjacent portions of the lighter itself separated from the fuel reservoir holder; Fig. 10 is a front elevation and Fig. 11 is a side elevation of a modified form of the invention in which the improved lighter is attached to a pocket cigarette holder.

Referring to Figs. 1 to 9 inclusive, a supporting bracket is shown as comprising a central body portion 1, above which a section of the holder 2 is of relatively shallow depth and is bounded upon its vertically opposite

edge portions with inwardly directed, overhanging flanges 3 and 4, for a purpose hereinafter described, while one lateral edge portion of said section is provided with a forwardly extending flange 5. This section of said bracket is furthermore pierced by any desired number of countersunk apertures 6 for the reception of screws or similar means 7 by which said bracket is supported upon any desired surface.

Beneath the central body portion 1, said bracket is cut away in its forward face to provide a second relatively shallow section 8, bounded vertically by a pair of inwardly directed, overhanging flanges 9, and in one lateral direction terminating in a forwardly extending flange 10. This bracket, while sufficient to support the cigarette holder and ash receiver upon a vertical surface, may also be provided with a forwardly extending base portion 11, whereby said bracket may take the form of a stand if desired, in order that it may rest in operative position upon any suitable supporting surface, such as upon an article of furniture or the like.

Slidably positioned against the lower shallow section 8 and between the overhanging flanges 9 is the rear wall 12 of an ash receiver, which also comprises a bottom 13, end walls 14, and a forward wall 15 which has its upper central portion cut away at 16 to provide a space for manually gripping a cigarette while resting within the cutout regions 17 in the upper portions of the end walls 14. The upper portion of the rear wall 12 of the ash receiver terminates in a forwardly extending abbreviated top wall 18 of a depth preferably equal to substantially the diameter of a cigarette, so that a cigarette resting within said cutout regions 17 of said end walls also rests against said top 18 in order to minimize the possibility of one's breaking the cigarette when reaching for it during the rapid movement of a vehicle in which the device may be mounted. In order to removably secure the ash receiver in operative position, its under surface at any suitable point is provided with a recess or the like 19, adapted to be engaged by any suitable form of catch or latch such for instance as the spring-pressed ball 20.

Removably positioned adjacent to the upper portion 2 of said bracket and slidable between the flanges 3 and 4 is a cigarette holder, which is shown as comprising an imperforate rear wall 24, end walls 25 and 26, and a top wall 27, to which is secured a three-sided undercut molding or beading 28 for operatively positioning a double faced file or other form of abrasive element 29, having beveled ends, normally entering beneath the undercut portions of said molding. To the forward edge portion of the box end 25 there is pivotally secured at 30 a closure 31, surrounded on its other three sides

by a flange comprising sections 32, 33 and 34, and also provided with a vertically elongated aperture 35 through which the contents of the holder are at all times visible, said aperture being effectively closed by a transparent medium 36 held in operative position in any suitable manner.

The lower portion of the holder is provided with a discharge aperture 37 defined upon the rear by a flange 38, forming a continuation of the rear wall 24 and between which there extends diagonally a slanting wall 39. The forward portion of said discharge aperture 37 is normally defined by the lowermost flange or section 34 of the closure 31, said flange and closure being connected together by a diagonally extending wall 40, corresponding to the wall 39, and between which is rotatably positioned a cylindrical ejecting member 41, provided with any desired number of parallel semi-cylindrical grooves or recesses 42, adapted when in uppermost position to receive cigarettes 43 by gravity from within the holder and upon being inverted to discharge such cigarettes, one at the time, from said holder through the discharge aperture 37, whence the discharged cigarette falls upon and is supported by the cutout portions 17 of the end walls 14 and rests against the top wall 18 of the ash receiver, until the cigarette is manually removed from that position.

The ejecting member 41 is rotatably mounted in any suitable manner, but is preferably carried by a pintle 44 secured to said ejecting means and passes rotatably through the wall 25 of said holder, and is provided with a second pintle 45 which passes rotatably through the opposite end wall 26 and through a reinforcing disc 46 secured thereto and provided with diametrically oppositely positioned recesses 47 for the yielding reception of a spring-pressed ball or the like 48, carried by and extending from within a hollow preferably cylindrical and externally knurled knob 49 which affords a suitable means for rotating or oscillating said ejecting means. This knob is secured upon the pintle 45 in any suitable manner as for instance by means of the threaded nut 50, the outer free end of said knob being normally closed by means of an externally threaded plug 51, which is removably secured within said knob in order to complete a housing for spare flints 52 and absorbent discs 53, as well as an extra wick if desired.

The end wall 26 of the holder is furthermore provided with a unitary cup-shaped projection 54, from which extends a resilient finger 55, adapted to frictionally engage the adjacent portion of the flange 33 of the closure 31 to yieldingly retain said closure in operative position. Said flange 33 is also provided with an annular extension 56 which is normally in axial alignment with the

cupped projection 54 and is provided upon its normally lower edge portion with a notch 57 in addition to having a channel or longitudinally cutaway region 58. In order to normally maintain the closure 31 in operative position, an improved form of scratch lighter or the like extends through the ring or annular extension 56, through a ring 59, carried by the closure flange 33, and rests within the cupped member 54 with a projecting lug 60 positioned in the notch 57.

This lighter comprises a cylindrical reservoir 61, preferably formed of transparent material, such as bakelite, and is closed at its lower end by a transversely extending partition 62, beyond which the sides of the cylinder extend to form an internally threaded cylindrical flange 63, within which is removably secured a plug 64, having a central aperture 65 through which extends a pin 66 yieldingly positioned by means of a suitable spring 67. By this construction the lug 60 is yieldingly maintained within and in engagement with the sides of the notch 57 in the ring 56 due to the reservoir element 61 being normally maintained in an upward position with respect to the cupped member 54. Obviously then, to release the reservoir, all that is necessary is to depress it against the tension upon the spring 66, and turn the reservoir until the lug 60 is free from engagement with the notch 57 and can be withdrawn longitudinally through the cut out region 58.

The upper end of the reservoir is internally threaded at 70 and supports a gasket 71 so as to receive in air-tight engagement the externally threaded reduced end portion 72 of a cylindrical lighter-supporting casing 73, which terminates downwardly in a shoulder 74, which in turn bears against the gasket 71. It is the outer surface of said casing that is provided with the lug 60 hereinbefore referred to, while from the uppermost portion of the side wall of said casing there extends radially inwardly a lug 75, adapted to slide relatively through a longitudinal groove 76 in the head 77 of a lighter. This head is provided with a central bore 78 which extends downwardly through a freely extending contractible flange 79 which operatively supports a flint 80. Spaced radially outwardly from said contractible flange, said head is provided with a circumferential depending flange 81, between and extending from said flanges there being a body of absorbent material 82, which, when the head 77 is in its furthestmost position within the casing 73, presses against an absorbent disc 83, having a central aperture 84 which receives the flint 80, and rests upon the uppermost flared end portion 85 of a wick 86, which extends therefrom downwardly through a bore 87 in the reduced end 72 of said casing and thence through said reservoir to the bottom partition 62 of the latter.

The lighter head 77 terminates upwardly in an externally threaded reduced end portion 88 through which also extends the bore 78. Said reduced portion is surrounded by a knurled lock nut 89, which normally engages and yieldingly positions an internally threaded cylindrical knob or head 90, from the interior of which there extends a pin 91 through the bore 78 and terminating downwardly in a point 92. When this lighter element is positioned within the casing 73, the absorbent body 82 receives a liquid fuel, such as alcohol or gasoline from the wick 86 and absorbent disc 83. Upon withdrawing the lighter head from said casing and striking the flint 80 against the abrasive element 29, sparks from the former ignite the fuel vapor given off by the absorbent body 82, causing the fuel in the latter to burn and afford a medium for lighting a cigar or cigarette. The flame is extinguished and the absorbent 82 is again saturated by inserting the lighter head again within the casing 73. After the absorbent 82 has become charred or burned away, the lock nut 89 is loosened, the knob 90 removed from the threaded portion 88 of the head, and the pin point 92 is used to enter between the contractible portions of the flange 81 and thereby force the absorbent 82 outwardly so as to operatively expose a further portion of the same.

Referring to Figs. 10 and 11, a cigarette case 95 of any well-known form is shown as being provided with a slightly modified form of lighter, similar to the one hereinbefore described, but slightly differing therefrom to such an extent only as to make it adaptable for use upon a portable article such as a pocket cigarette case, as compared with a substantially fixed cigarette holder such as that hereinbefore described as being normally supported by the fixed bracket 1 or upon the base 11.

This lighter also comprises a reservoir 96 which in this instance is partly shielded by a casing 97, having cutout portions 98 through which the removable reservoir is visible at all times. The casing 97 is also provided with a suitable holder 99 for an abrasive member 100 instead of supporting the abrasive member upon the cigarette case 95 itself. The lower portion of the casing 97 is preferably hollow and is normally closed by means of a cap 101, so as to provide a storage space for additional flints or absorbent elements, or both. Otherwise, the strike head and manually engageable knob are substantially identical with the shape and construction of the corresponding elements hereinbefore described and are operated in the same manner.

Having thus described my invention, what I claim and desire to protect by Letters Patent of the United States is:—

1. A cigarette holder, comprising a hol-

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low portion having a discharge outlet, a hinged closure for said hollow portion having a flange defining one side of said outlet, a rotatable member supported by said hollow portion to effectively close said outlet, said member being provided with a recess adapted to receive a cigarette from within said holder and upon being rotated a given distance being operative to discharge the cigarette through said outlet, a knob connected to said member for manually rotating the same, normally aligned rings carried by said hollow portion and said hinged closure, and a removable lighter reservoir unit normally extending through said rings to secure said hollow portion and closure in operative relation.

2. A cigarette holder, comprising a hollow portion having a discharge outlet, a hinged closure for said hollow portion having a flange defining one side of said outlet, a rotatable member supported by said hollow portion to effectively close said outlet, said member being provided with a recess adapted to receive a cigarette from within said holder and upon being rotated a given distance being operative to discharge the cigarette through said outlet, a knob connected to said member for manually rotating the same, normally aligned rings carried by said hollow portion and said hinged closure, and a lighter-reservoir unit removably extending through said rings to secure said hollow portion and closure in operative position, said unit comprising a reservoir section and a lighter section, detachable from said reservoir section without removing the latter from said rings.

In testimony whereof I have affixed my signature.

MAURICE ALLAND.