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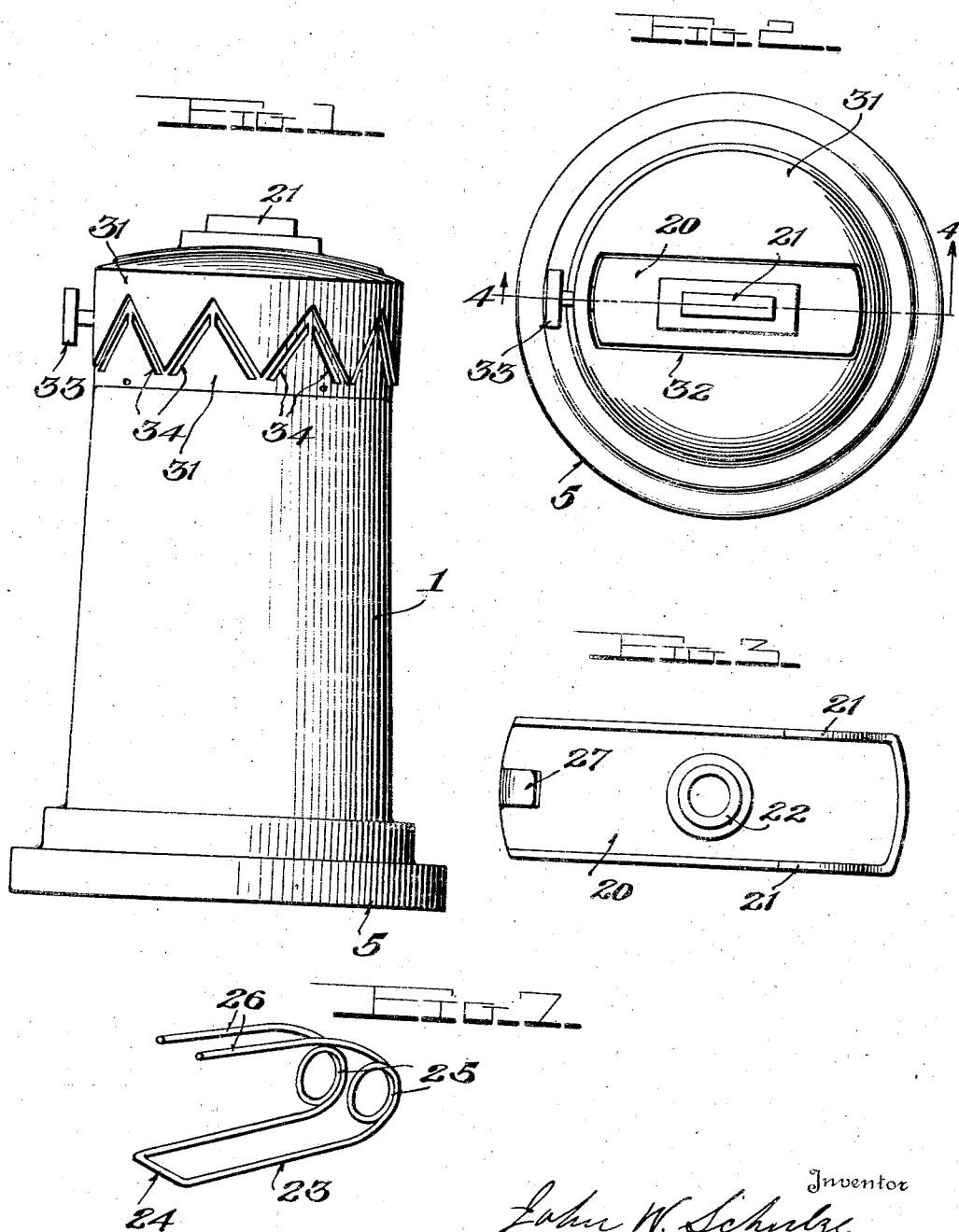
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1,741,956

CIGAR LIGHTER

Filed May 4, 1928

2 Sheets-Sheet 1



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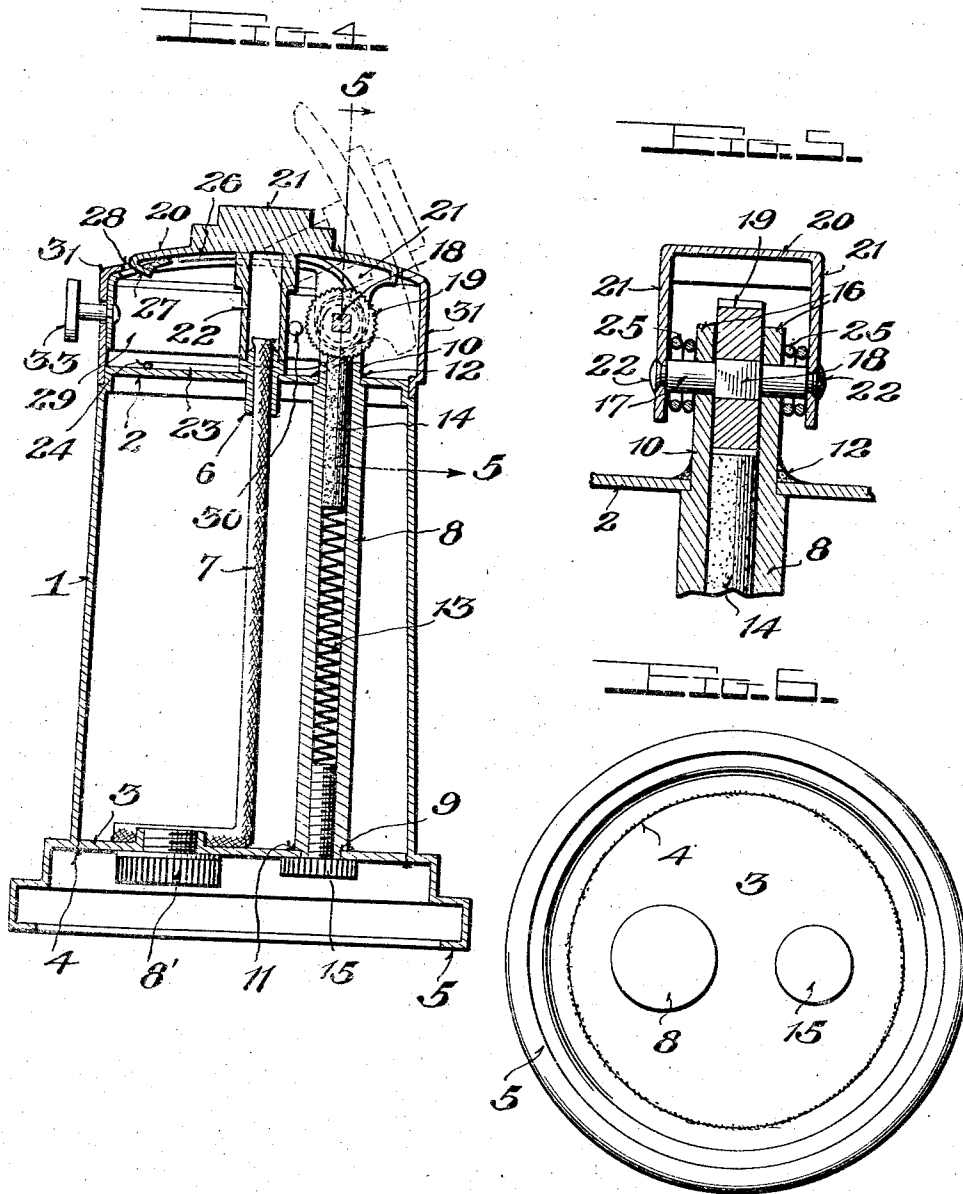
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UNITED STATES PATENT OFFICE

JOHN W. SCHULZE, OF PROVIDENCE, RHODE ISLAND

CIGAR LIGHTER

Application filed May 4, 1928. Serial No. 274,999.

This invention relates to cigar lighters, and pertains more particularly to a cigar lighter which is designed for table or smoking stand use, as distinguished from the pocket carried variety.

The primary object of the invention is to provide a lighter whether of the table or pocket variety in which the light is produced by the mere release of a catch and more particularly to provide a tensioned spark producing and snuffing means which upon release from a holding catch automatically produces a spark and moves the snuffer to inoperative position, and one in which the said means can be restored to normal position by mere movement of same into engagement with the catch.

In the drawings:—

Figure 1 is a side elevation of the invention;

Figure 2 is a top plan view;

Figure 3 is a bottom plane view of the snuffer and spark wheel carrier in detached position;

Figure 4 is a section on line 4—4 of Figure 2;

Figure 5 is a section on line 5—5 of Figure 4 and

Figure 6 is a bottom plan view, while Figure 7 is a detail perspective view of the spring.

In proceeding in accordance with the present invention, a tubular casing 1 is employed which has a top 2 and a bottom 3, the latter preferably being soldered at 4 to the casing. A table or surface engaging base 5 is formed integral with the casing 1 and is designed to support the structure in vertical position on a table or smoking stand or other surface. The base and the casing with its top 2 may be drawn from a tube in one piece and thereafter the bottom soldered in position. The top 2 is formed with an aperture to receive a tube which supports one end of the wick 7. A threaded cap 8 is carried by the bottom 3 for purpose of inserting fuel into the casing. A tube 8 has reduced ends 9 and 10 which latter extend through apertures provided therefor in the bottom 3 and top 2 respectively, and is soldered in position as indi-

cated at 11 and 12 in the drawings. A coil spring 13 in the tube 8 tensions the flint rod 14 and is supported by a screw 15 threaded in the lower end of the tube 8. The upper end of the tube 8 is bifurcated to provide journals 16 for the rounded ends of a pin 17. The pin 17 has a squared central portion 18 to engage in a squared opening provided therefor in a spark wheel 19, so that the pin and spark wheel will move in unison. A member 20 having a closure knob 21 is provided with a rigid depending snuffer member 22 to receive the end of the wick therein. The member 20 is formed with depending ears 21^a which are perforated to receive the ends of the pin, the latter having its ends 22 riveted or otherwise keyed to the ears 21^a so that the pin will move in unison with the member. A U-shaped spring 23 is provided which has its closed part 24 engaged with the top 2 and has intermediate portions coiled at 25 about the ends of the pin, the free ends 26 of the spring being engaged with the under face of the member 20, whereby it will be seen that the member 20 is constantly under tension tending to force same outwardly to the dotted line position of Figure 4. The free end of the member 20 is formed with a lip 27 which is formed to engage in the opening 28 of a catch having a spring 29 secured at 30 to a cap member 31, the latter member having a slot 32 in its top to receive the member 20 as shown in Figure 2. A finger engaging member or button 33 is connected to the spring catch. As shown in Figure 1 air vents or openings 34 are formed in the cap member 31, preferably on one side thereof adjacent the wick so as to provide the necessary air to maintain combustion.

In operation, it will be seen that normally the parts are in the position of Figure 4, with the catch holding the member 20 closed. By depressing the button 33, the catch 27 will be released and the member 20 under the tension of the spring 23 will move to the dotted line position of Figure 4, causing the spark wheel to engage the flint rod 14 and produce a spark, which latter ignites the wick, since the snuffer 22 has been raised up from the wick automatically with the outward move-

ment of the member 20. To restore the parts to the position of Figure 1, it is merely necessary to press downwardly on the knob 21 which causes same to be automatically engaged with the catch and hold the member 20 in position as shown in Figure 4.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:—

10 1. In a lighter construction, a fuel reservoir, a wick extending therefrom, ignition means carried by the reservoir including a pyrophoric tube, and a spark wheel associated therewith, a cap on said reservoir enclosing
15 said ignition means and having a top wall with a slot therein, a closure member for said slot, bearing means for pivotally mounting the closure member within the cap and below the said top wall, said closure member being
20 operatively connected to said spark wheel.

2. In a lighter construction, a fuel reservoir, a wick extending therefrom, ignition means mounted on said reservoir, said ignition means including a pyrophoric tube, a
25 friction wheel mounted thereon, a cap on said reservoir having a top wall with an opening therein, a closure member for said opening, depending ears on said closure member extending a substantial distance below said top
30 wall, bearing means below said top wall for pivotally mounting said ears, said closure member being operatively connected to said friction wheel.

3. In a lighter construction, a fuel reservoir, a wick extending therefrom, a pyrophoric holder on said reservoir, a cap enclosing said wick and removably frictionally retained on said reservoir and having a top wall with an opening therein, a closure member for
40 said opening, depending ears on said closure member, a friction wheel, a shaft rotatably mounted in said holder and keyed to said friction wheel and depending ears, resilient means on said shaft tending to move said closure member to open position and operate
45 said wheel to ignite said wick, and manually releasable means for holding said closure member in position to close said opening.

In testimony whereof, I have signed my
50 name to this specification.

JOHN W. SCHULZE.