

## PATENT SPECIFICATION

564,920



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## COMPLETE SPECIFICATION

**Improvement in or relating to Lighters for Cigars, Cigarettes and like uses**

- I, ALEXANDER SYDNEY WESTON, of 85, East 10th Street, New York, State of New York, United States of America, a Citizen of the United States of America, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—
- 10 This invention relates to lighters for cigars, cigarettes and for similar uses, and has for its main object to provide a lighter of a novel improved construction, which will be more efficient than the lighters now in use.
- 15 A further object of this invention is to provide a device as characterised hereinbefore, in which novel means are provided against the loss of combustion mixture, or liquid vapours, or to retard such loss.
- 20 According to my invention, I provide a lighter provided with a removable cap section and a removable bottom section provided with absorbent lining. The said lining is preferably composed of a plurality of layers of thin textile material, pressed one upon the other, adapted to absorb the fuel vapours accumulating in said casing, said cap and said bottom sections while the device is closed.
- 25 In the drawings left herewith:  
Fig. 1 is a side elevation of my novel lighter in a closed position, and  
35 Fig. 2 is a sectional elevational view of the assembly lighter in a closed position and on a much larger scale than the earlier figure.
- 40 Referring now to the drawings more in detail by characters of reference, my assembled lighter is indicated, in general, by the numeral 10, and is composed of three main parts or sections being a middle or main section, generally indicated by the numeral 11, a top or upper cap section, generally indicated by the numeral 12, and a lower or bottom cap section, generally being indicated by the numeral 13.
- 45 The middle or main section 11 is arranged in a cylindrical housing 14 having a closed bottom 15 and an open top 16 and preferably being made of some appropriate thin sheet metal material. The upper or top section 12 also has a cylindrical hollow body 16a, open at the bottom 17 and closed at the top 18, its inner diameter being such that it may snugly slide over the main body section 11. The bottom cap section 13 also comprises a hollow cylinder 19, open at the top, as at 20, having a closed bottom 21 and being substantially of identical diameter to the top section adapted to slide over the middle section 11, as indicated in Fig. 2.
- 50 A comparatively heavy layer of wick fabric 36 is arranged around the circumference of the cylindrical housing 14 of the middle portion. A cylindrical hollow space 37 is thus produced within the wick 36 and the lower portion thereof is filled with an appropriate material 38, like cotton said material being the carrier of the combustion vapour producing liquid, like gasoline, ether, or some appropriate specific composition, used in this art for such purpose, a small quantity of said liquid being dropped over and on the cotton 38 and being absorbed thereby when filling the lighter.
- 55 The bottom cap portion 13 of my device has an absorbent lining 42 arranged over its bottom, said lining preferably being formed of a plurality of thin layers of textile material, like cotton, tightly pressed one over the other.
- 60 A lining 54, identical in character to the lining 42 of the bottom cap 13, may be provided for the upper cap 12.
- 65 It has been my experience that the combustible liquid in my device will last much longer than in the other lighters of similar construction at present in use, which I attribute to the lining 54, which may absorb and condense the vapours from the wick and the liquid saturated cotton in my device, which vapours in similar lighters now in use will slowly seep out of the closed lighter or are freed when the upper cap 12 is removed preparatory to using the lighter.
- 70 Lining 42 in the bottom cap 13 is for a similar purpose, but it mainly is intended to be used when no sealing layer 27 is provided in the bottom 15 of the central or

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- main section 11 of my lighter, and when fuel vapours may better escape around the bottom of the flint tube 22 and then from the vacant space in the bottom cap 19.
- 5 Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—
- 10 1. A lighter provided with a removable cap section and a removable bottom section provided with absorbent lining.
2. A lighter, comprising a casing, a removable cap section and a removable
- 15 bottom section for the casing, and an absorbent lining disc pressed on the bottom of the cap and of the bottom sections.
3. A lighter, according to Claim 1, in
- 20 which said lining is composed of a plurality of layers of thin textile material pressed one upon the other.
4. A lighter, as claimed in Claim 1, comprising a tubular casing, a fuel vapour producing medium in said casing, a removable cap section and a removable bottom section for said casing and an absorbent lining disc at the bottom of said cap and said bottom for absorbing the fuel vapours accumulating in said casing and said cap while the device is closed.
5. A lighter provided with a removable cap and a bottom section fitted with absorbent lining discs, substantially as described and as shown in the appended
- 25  
30  
35 drawings.

Dated this 21st day of August, 1944.  
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[This Drawing is a reproduction of the Original on a reduced scale.]

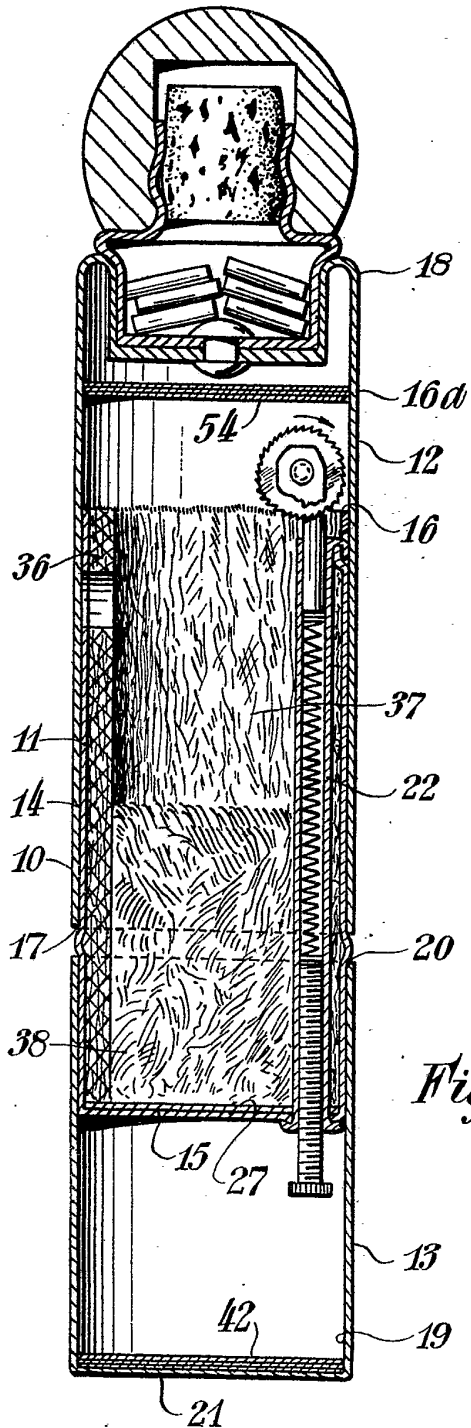


Fig. 2.

Fig. 1.

