PATENT SPECIFICATION

637,963

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Index at acceptance:—**Class 75(iii),** F(9b:13).

COMPLETE SPECIFICATION.

Improvements in or relating to Lighters, Particularly of the Type combined with Pens, Pencils or the Like.

We, RONSON ART METAL WORKS, INC., a Corporation organised under the laws of the State of New Jersey, United States of America, of 46-50 Center Street, Newark, New Jersey, United States of America (assignees of Warren Irvin Nissen), 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:—

The invention relates to a cigar lighter construction which is particularly useful in lighters combined with pencils, pens or the like, wherein it is desired to combine the lighter actuating mechanism with a clip for detachably holding the article in the user's pocket. Further objects and advantages of the invention will be in part obvious and in part specifically referred to in the description hereinafter contained which, taken in conjunction with the accompanying drawings, shows a preferred form of lighter construction operating in accordance with the invention.

In the drawings:—

Fig. 1 is a side view partly in section, showing the lighter mechanism in operative position on the upper end of a cylindrical shell or barrel such as is used in pens or refillable pencils.

Fig. 2 is a detail section on line 2-2 of Fig. 1.

A cylindrical fuel casing 1 for containing the lighter fluid, is shown as seating telescopically into the upper end of a cylindrical shell 2 which latter may serve as the body of a pen or pencil. A wick tube 3 extends upwardly from the top wall of the casing 1, and a snuffer member 4 seats against the wick tube 3, the snuffer being pivotally mounted about a stud 5 which is supported between ears 6 which extend upwardly from the top wall of the fuel casing 1. Appropriate spark producing mechanism may be understood as housed within the snuffer 4, in such manner that a flame is produced when the snuffer swings to open position and is extinguished when the snuffer moves from upper to closed position, but these spark producing elements are not illustrated nor described in detail since they may be assumed to be of known construction and mode of operation.

A fingerpiece 7 is shown as pivotally connected at its upper end portion to the snuffer 4, by means of a pin 8. The fingerpiece 7 lies along the shell 2, and overlies a spring clip member 9 which latter in the illustrated form of the invention is secured at its upper end portion of the fuel casing 1. The fingerpiece is also slidably engaged with the clip 9, inturned tongues 10 being shown in Fig. 2 as provided on the fingerpiece for this purpose. A restoring spring 11 is also shown as housed within the fingerpiece, the spring being connected at its lower end to a hook 12 on the inside of the fingerpiece, and connected at its upper end to a lug 13 struck out from clip 9. Thus the tension of spring 11 normally holds the fingerpiece 7 in its upper position shown in Fig. 1, in which position the snuffer 4 is seated against the wick tube 3. The fingerpiece is shown as provided with a shoulder 14 for ready engagement by the operator's finger or thumb to depress the fingerpiece, during which movement the fingerpiece will slide downwardly along the clip 9, and snuffer 4 will be swung to open position simultaneously with the production of a flame as above described. Upon release of finger pressure, the tension of spring 11 restores the parts to the position shown in Fig. 1 to extinguish the flame, the fingerpiece sliding upwardly along clip 9 during this movement. In the illustrated construction, the operating parts of the lighter mechanism including the clip 9 and the fingerpiece 7, are removable as a unit with the fuel casing 1, from their operating position on

[*Price* 2/-]

the end of shell 2.

While the invention has been disclosed as carried out by the particular construction which is above described it should be understood that changes may be made without departing from the invention in its broader aspects, within the scope of the appended claims.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A lighter construction, particularly for lighters combined with pens, pencils, or the like, including an exterior guide member extending downwardly along the side of a casing, a snuffer member movably mounted on the casing, and a fingerpiece connected in driving relation to the lighting mechanism, characterized by the fact that said fingerpiece extends downwardly to overlie said exterior guide member, and is slidably engaged with said member for movement between an upper position in which said snuffer member is closed and a lower position in which said snuffer member is open.

2. A lighter construction according to Claim 1, characterized by the fact that said exterior guide member comprises an attachment clip secured to said casing.

3. A lighter construction according to Claim 1 or 2, characterized by the fact that said casing is detachably mounted in one end of a supporting shell and is adapted to contain lighter fuel.

4. A lighter construction according to Claim 2, characterized by the fact that said fingerpiece is pivotally connected to said snuffer at its upper end portion, and encloses said attachment clip, and a spring is interposed between the fingerpiece and the clip for restoring said snuffer member to closed position.

5. A lighter construction according to Claim 4, characterized by the fact that said restoring spring is disposed on the inner side of said fingerpiece for yieldingly urging said fingerpiece toward its upper position.

6. The lighter construction substantially as hereinbefore described with reference to and as illustrated in the accompanying drawings.

Dated the 10th day of June, 1948.

For: Ronson Art Metal Works, Inc.,
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