Aug. 30, 1932. D. S. RHODES 1,874,351

LIGHTER

Filed April 12, 1930

Fig. 1.

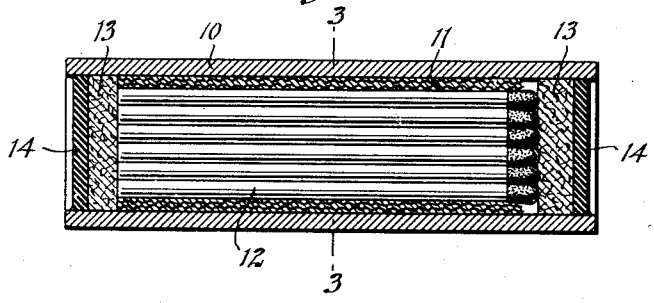


Fig. 2.

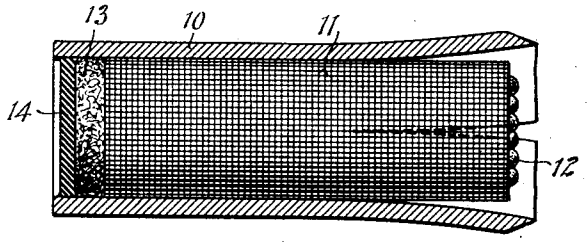
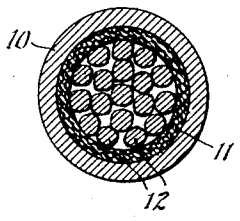


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE

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LIGHTER

Application filed April 12, 1930. Serial No. 443,804.

This invention relates to an article of manufacture designed for use by hunters, campers and others, for the purpose of starting a fire, or igniting inflammable materials, and which may be used advantageously in windy and rainy or wet weather.

The invention has for its general object the provision of an article of the indicated character which may be carried about by hunters, campers and others without liability of its being rendered useless by moisture or dampness, which may be carried with safety, which may be used in a convenient manner to kindle or start a fire, and which will be effectual in weather in which ordinary matches or the like could not be used successfully.

With the foregoing, and other objects in view, the invention resides in the particular combinations, and in the novel construction, arrangement, and adaptation of the parts, hereinafter fully described and illustrated in the accompanying drawing, in which:

Figure 1 is a central longitudinal sectional view through an article made in accordance with the invention;

Figure 2 is a view similar to Figure 1, but showing the article made ready for use;

Figure 3 is a cross section on the line 3—3 of Figure 1.

In accordance with the invention use is made of an outer tubular container 10 which is waterproof, and which can be cheaply produced from wrapped paper or rolled cardboard, or equivalent material, having a coating of paraffin, or paraffin and other substances of a waterproofing character. Suitable inflammable material is arranged within the container, and is in the form of a tube closely fitting within the container. This inflammable tube 11 may consist of a tubular wick or be made of other equivalent material saturated with pitch, resin or other inflammable substance, so as to burn with a flame for a comparatively long time. A suitable number of ordinary matches 12 are inserted in the tube 11, the latter being approximately equal in length to the length of the matches. The tube 11 is shorter than the container 10. A suitable packing or wadding of cotton or the like 13 is plugged in each end of the container 10, and each end thereof is sealed by sealing wax 14 to exclude moisture. The seal 14 in one end is of a color different from that in the opposite end of the container, so as to distinguish one end of the container from the other end, whereby a person may know at a glance at which end of the container the heads of the matches occur.

To use the article, the indicated match head end of the container 10, together with the seal 14 and wadding 13 at that end, is cut off with a jack knife, and a container is also split lengthwise in order to allow entry of air to make combustion possible, as shown in Figure 2. The heads of the matches 12 may then be ignited by striking them with a knife blade or in any other manner, frictionally or otherwise. The inflammable tube 11 will immediately be ignited and together with the container 10 and match sticks will burn with a strong flame for a considerable period of time. A hunter or camper will thus be enabled to ignite wet or moist pieces of wood, leaves, paper and branches of trees or the like even in windy and rainy weather, for obvious purposes.

Claims:

1. As a new article of manufacture, a lighter of the class described comprising a tubular container of paper or cardboard, an inflammable tube within said container, matches arranged within said tube with the pyrophorous heads thereof adjacent one end of said tube for igniting the tube, and means sealing each end of the container.

2. As a new article of manufacture, a lighter of the class described comprising an inflammable tubular container, a saturated inflammable tube within said container, matches arranged within said tube with the pyrophorous

heads thereof adjacent one end of said tube for igniting the tube, and means sealing each end of the container.

3. As a new article of manufacture, a lighter of the class described comprising an inflammable tubular container, a saturated inflammable tube within said container, matches arranged within said tube with the pyrophorous heads thereof adjacent one end of said tube for igniting the tube, and means sealing each end of the container, the sealing means at one end of the container indicating that the match heads occur at that end of the container.

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