

Oct. 7, 1930.

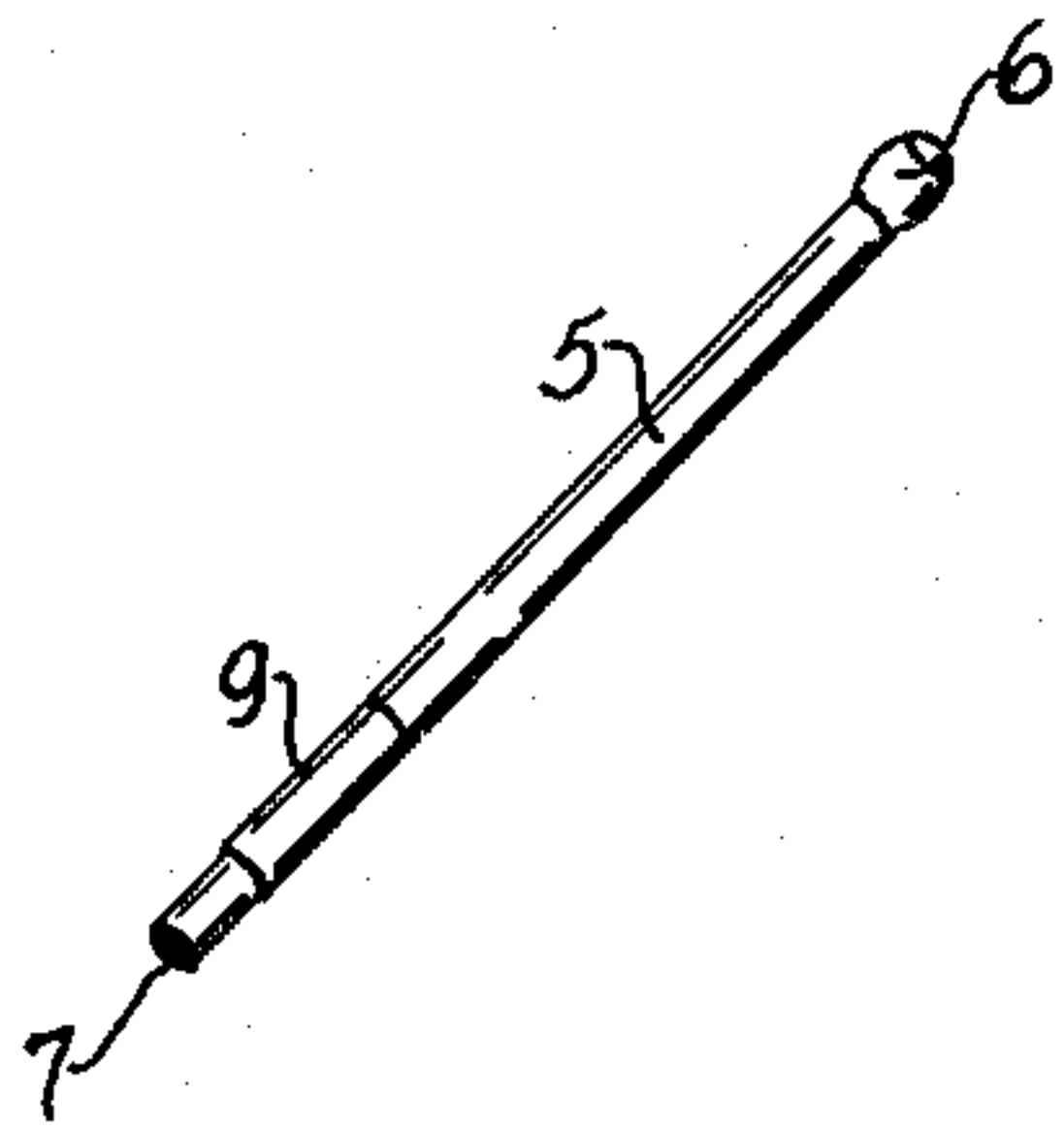
A. L. WAGNER

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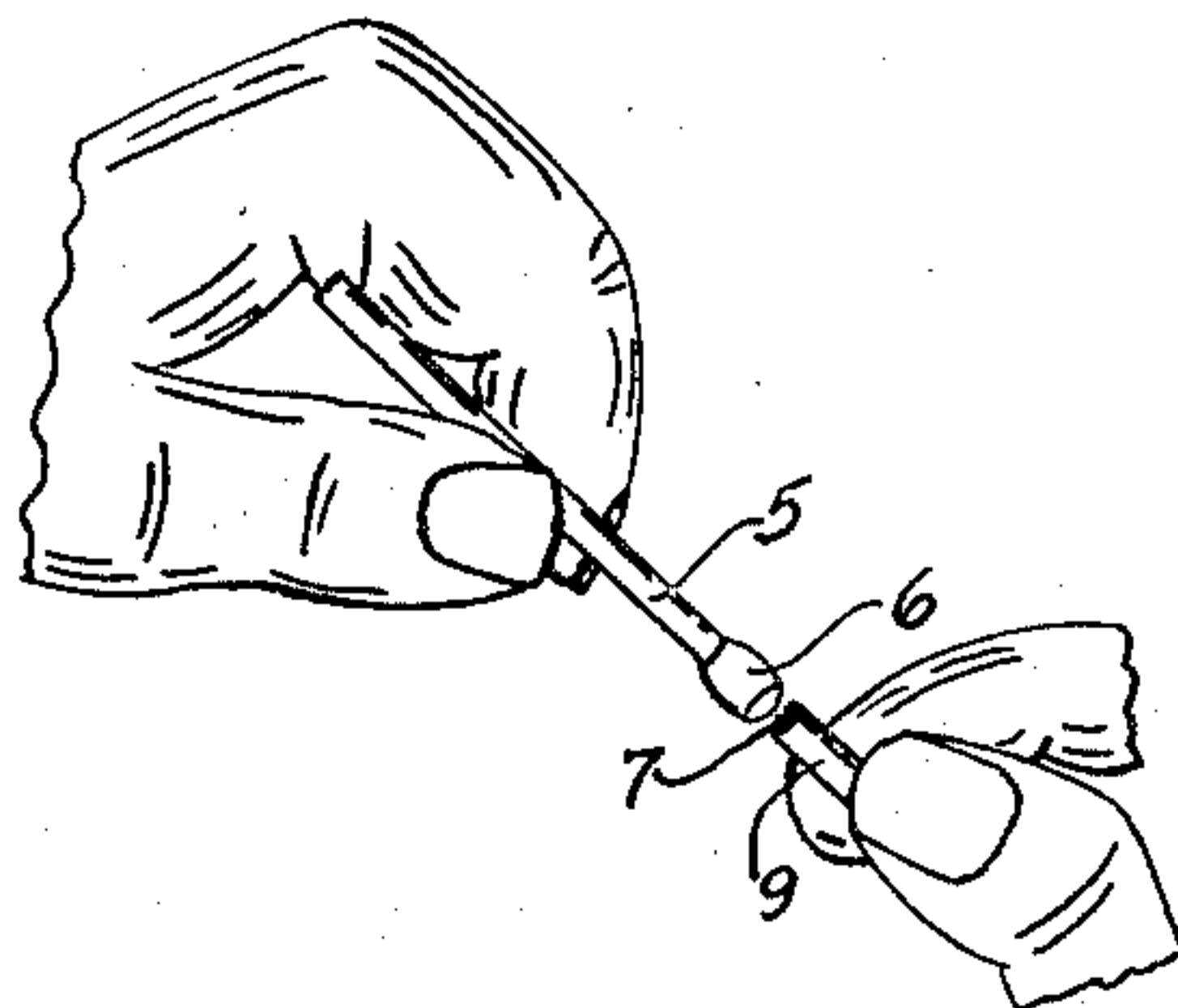
MATCH

Filed Dec. 11, 1928

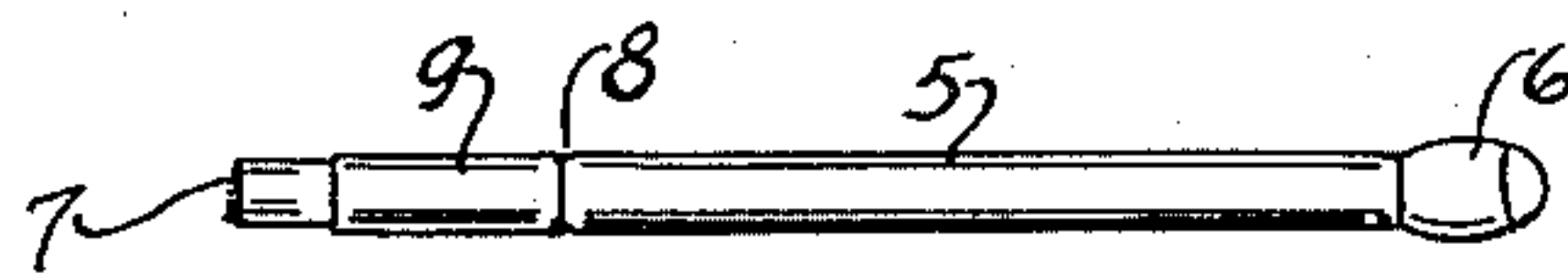
*Fig. 1.*



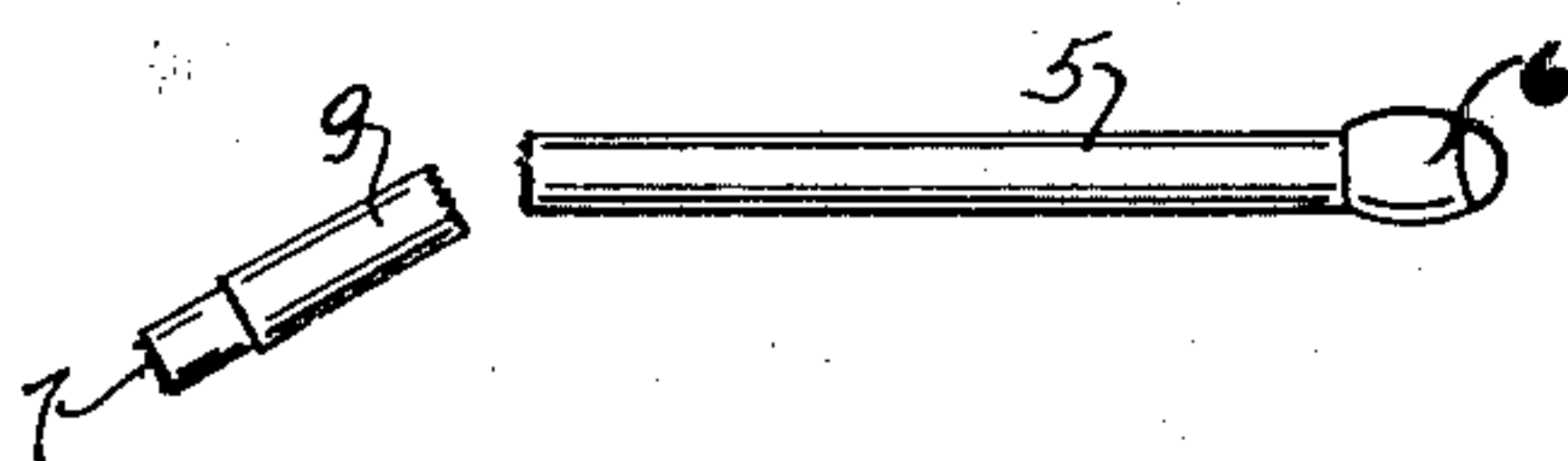
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



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## UNITED STATES PATENT OFFICE

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## MATCH

Application filed December 11, 1928. Serial No. 325,270.

This invention relates to new and novel improvements in matches and has for its object a provision of a match embodying within itself a complete device for producing a flame.

Other objects of the invention are to provide a match which can be manufactured at approximately the same cost as matches of ordinary construction and which is provided on one end thereof with the usual ignition head and on the other end thereof with conveniently detachable means for igniting said head.

Additional objects are to provide a match having an ignition head of ordinary or improved construction, on one end thereof and having the other end provided on the axial face thereof with a coating of abrasive or other material adapted to ignite the head when brought into frictional engagement therewith, and to provide a peripheral cut or score around said match at a point in spaced relation to the handle end thereof, whereby the end may be easily broken away and held while the head is brought into frictional engagement with the abrasive face on the end thereof.

A still further object is to provide a match having an abrasive or other match igniting substance on the axial face of the handle end of the match stick and provided with a peripheral cut whereby the end of the match may be conveniently detached therefrom, and to color said detachable end whereby the match may be readily distinguished from matches of ordinary construction.

The above objects are accomplished and additional advantages are attained from the novel construction and arrangement herein-after described and shown in the drawings, wherein a preferred form of the invention is illustrated. It is understood that the invention is adapted for use with various forms of matches and that changes, modifications and substitutions may be made which come within the spirit of the invention as set forth in the claims hereunto appended.

In the drawings like characters of reference are used to designate like parts as the

same may appear in any of the several views and in which:—

Figure 1 is a perspective view of a match constructed in accordance with this invention,

Figure 2 is a view showing the manner in which the detached end may be used to ignite a match,

Figure 3 is a side elevational view of a match constructed in accordance with this invention,

Figure 4 is a similar view showing the detached end broken away from the main body of the match.

Proceeding now to a detailed description of the invention with reference to the particular adaptation thereof disclosed in the drawing, the numeral 5 is used to designate the match stick. The match stick 5 is preferably formed of ordinary construction and is provided on one end thereof with an ignition head 6. The other end of the match is provided on the axial face thereof with a coating of abrasive 7 or other material which will cause ignition of the head 6 when these parts are brought into frictional contact with each other. The stick 5 is provided at a point intermediate its length with a cut 8 which extends circumferentially therearound. The cut 8 is positioned around the match at a point which will provide a relatively short detachable end portion 9 which can be conveniently held in the hand as shown in Figure 2.

In manufacturing a match constructed in accordance with this invention, the main body of the match may be formed in the usual way. The end 7 may be placed on the adhesive coated end of the match. The match is scored by the cut 8 to weaken it at this point, making the end 9 readily detachable therefrom.

The handle end of the match may be dipped in dye or other coloring material, preferably of liquid form. The coloring material will be carried upwardly to the cut 8. The dye is preferably formed of a color contrasting with the color of the main body 5 of the match thereby clearly indicating to the



user the portion of the match which may be broken away.

In use, the portion 9 is broken from the main body 5 of the match and held in the fingers as shown in Figure 2 with the abrasive end to be presented in a position where it may be conveniently engaged by the head 6. The other portion of the match is held in the other hand and the head 6 is brought into frictional engagement with the abrasive face 7, thus igniting the match.

It will thus be seen that I have provided a match of simple construction which can be manufactured at approximately the same cost as an ordinary match and which embodies within itself complete means for producing a flame.

Having thus illustrated my invention and described the same in detail, what I claim as new and desire to secure by Letters Patent is:—

1. In a match, a stick, an ignition head on one end thereof and an abrasive coating on the axial face of the other end thereof.

2. In a match, a stick, an ignition head on one end thereof and means on the axial face of the other end thereof to ignite said head when the same is brought into frictional engagement therewith.

3. In a match, a stick, an ignition head on one end thereof, a coating of abrasive, on the axial face of the other end thereof, said stick provided with a cut which extends circumferentially therearound.

4. In a match, a stick, an ignition head on one end thereof, an abrasive coating on the axial face of the other end thereof, said stick being cut at a point intermediate its length, whereby the end having the abrasive coating may be readily detached therefrom.

5. In a match, a stick, an ignition head on one end thereof, an abrasive on the axial face of the other end thereof, a cut extending around the stick at a point in spaced relation to said abrasive end, the portion of the stick between said cut and said abrasive end being of a color contrasting with the color of the main body of the stick.

6. In a match, a stick having an ignition head on one end thereof and means on the axial face of the other end thereof for igniting said match.

7. In a match, a stick having an ignition head on one end thereof, said stick having a detachable portion at the other end thereof and means on the axial face of said detachable portion to ignite said head.

8. In a match, a stick having an ignition head on one end thereof, said stick having a circumferentially extending cut to provide a detachable end portion, and means associated with the axial face of said detachable end portion to ignite said head.

9. In match, a stick having an ignition head on one end thereof, said stick being

weakened at a point adjacent the other end thereof to provide a detachable end portion, said end portion being of a contrasting color and means associated with said detachable end portion to ignite said head.

In testimony whereof I have hereunto set my hand.

ALBERT L. WAGNER.

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