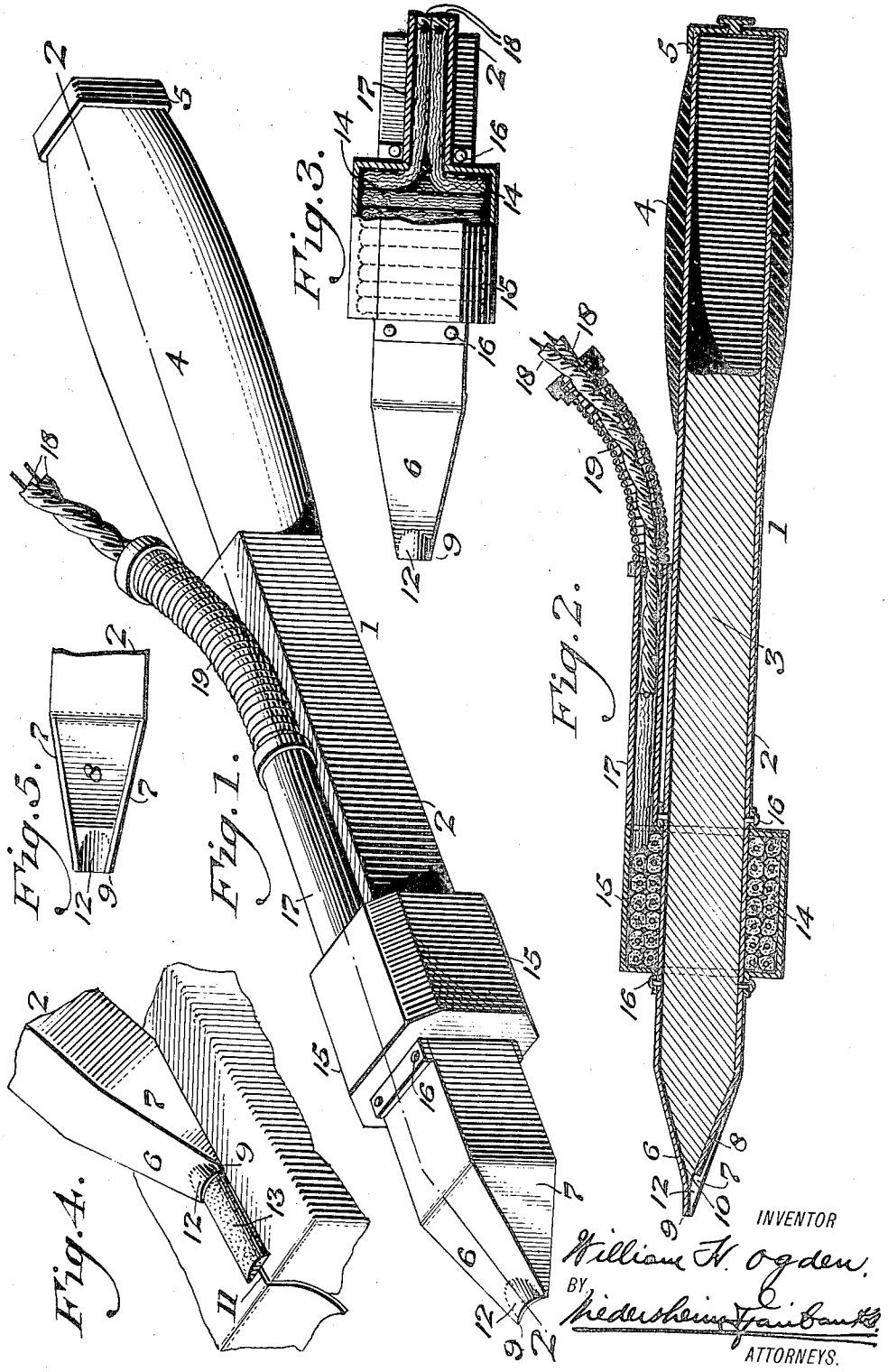
W. H. OGDEN.

SEALING WAX APPLIER.

APPLICATION FILED APR. 19, 1919.

1,312,347.

Patented Aug. 5, 1919.



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SEALING-WAX APPLIER.

1,312,347. Specification of Letters Patent. Patented Aug. 5, 1919.

Application filed April 19, 1919. Serial No. 291,374.

To all whom it may concern:

Be it known that I, WILLIAM H. OGDEN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Sealing-Wax Applier, of which the following is a specification.

It is well known that sealing wax is of a more or less inflammable character and that when it is exposed to open flame it is liable to ignite and transfer the blaze to the wrapper or parcel which is being sealed before the blaze can be extinguished.

For the purpose of obviating the foregoing disadvantages my invention consists of a novel construction of a receptacle or container for holding the sealing wax, combined with a surrounding electric heater and an outlet or nose at the forward end of said container of a novel construction, whereby the melted sealing wax will be delivered at the desired point in the shape of an elongated ribbon having a convex top and parallel sides, whereby the sealed package will have a neat and pleasing appearance.

To the above ends my invention further consists of a novel construction of an electric sealing wax applier, wherein the sealing wax is contained in a suitable manually held and directed casing or receptacle, carrying an electric heating device, such as an electric thermal resistance contained within a casing suitably supported upon said wax receptacle at the proper distance from the outlet or discharge end thereof, the nose or outlet of said wax receptacle being of a novel contour and open at all times, whereby a continuous flow of the electrically melted wax to any desired point is permitted and I am enabled to readily apply the electrically melted wax to the article to be sealed in the shape of an elongated ribbon having a convex top thereby eliminating the dangers incident to the use of an open flame during the melting or applying of the sealing wax, and I am further enabled to greatly economize the wax, since by my device, the last drop of the wax can be utilized.

My invention further consists of a novel construction of a sealing wax applier, wherein the electrically heated or melted sealing wax is permitted to issue in a continuous stream from the unobstructed nose or outlet of the device, the nose of the device being so constructed that it directs the melted wax upon the desired point and simultaneously forms it into a continuous longitudinally extending strip or ribbon having a convex top and parallel sides covering the points to be sealed.

For the purpose of illustrating my invention, I have shown in the accompanying drawing one form thereof which is at present preferred by me, since the same will be found in practice to give satisfactory and reliable results, although it is to be understood that the various instrumentalities of which my invention consists can be variously arranged and organized and that my invention is not limited to the precise arrangement and organization of these instrumentalities as herein shown and described.

Figure 1 represents a perspective view of a novel electric sealing wax applier, embodying my invention.

Fig. 2 represents a longitudinal section on the line 2—2 Fig. 1.

Fig. 3 represents a top plan view of the forward end of Fig. 1, showing the casing for the electric heater partly broken away.

Fig. 4 represents a perspective view showing the forward portion of my novel device in operation.

Fig. 5 represents a bottom plan view of the nose or outlet of the applier.

Similar numerals of reference indicate corresponding parts.

Referring to the drawings.

1 designates my novel construction of a sealing wax applier, the same consisting of a suitable elongated wax receptacle or holder 2, in which a stick of wax 3 is contained, said wax receptacle being provided at its rear end with a handle 4 of wood, asbestos or other similar insulating material and the closure 5 whereby access can be readily had to the exterior of the receptacle 2. The tapered forward end of the wax receptacle 2 is formed by the converging top 6, the converging side walls 7 and the bottom 8 which converges toward the nose or terminal 9 of said top 6 and terminates a short distance therefrom, whereby the outlet 10 is formed for enabling the melted wax 3 to readily flow upon the article 11, which is to be sealed, it being further apparent that the end or nose 9 of the device is provided with curved top portion 12, whereby the melted sealing wax, as it issues from the device is caused to appear as at 13, Fig. 4, in the

shape of an elongated stream or ribbon having its top convex or rounded and its sides parallel, the width of the strip of wax being determined by the side walls 7 as will be understood from Fig. 2, the construction of the bottom of the forward end of the device being understood from Fig. 5.

In order to electrically heat or melt the wax 3, I provide a simple form of an electric heating device, comprising an electrothermal resistance 14 inclosed in a suitable casing as 15, which surrounds the wax receptacle 2, and is properly held with respect thereto, by means of suitable fastening devices as 16 or the like, said heater casing 15 being located a short distance at the rear of the converging terminals 6, 7 and 8.

I preferably connect the tube 17 with the rear end of the casing so that said tube serves as a container for the terminals of the conductors 18 which lead to the resistance coils 14, a portion of said conductors being inclosed in the flexible casing 19, as will be understood from Figs. 1 and 2.

It will be evident that any conventional form of electric heating device may be employed, as any suitable form of electric heater known to commerce will be capable of generating the desired amount of heat sufficient to melt the wax, it being of course understood that the conductors 18 are connected with a suitable plug which is adapted to engage any ordinary incandescent lamp socket.

The operation is as follows:—

It being understood that the conductors 18 are properly connected to the power circuit, the closure 5 having been removed, a stick of sealing wax is inserted and pushed into the position seen in Fig. 2. The electric heater 14 melts the forward end of the wax, which flows through the opening 10 of the nose 9 and upon the latter being applied to the receptacle 11 to be sealed, the wax will adhere thereto in the form of a longitudinal strip or ribbon 13, as seen in Fig. 4, and when it is desired to discontinue the sealing operation it is only necessary to invert the device, the flow of the melted wax stops, and upon the opening of the electric circuit to the electric heater its action instantly ceases.

I desire to call special attention to the fact that the forward end or outlet portion of the nose of my device is at all times open and unobstructed, so as to permit when desired a continuous and uninterrupted flow of the sealing wax and, in addition, the forward inner end of the nose is concaved, as at 12, as will be understood from Figs. 1 and 5, so that the strip or ribbon of wax 13, when cool, has a neat appearance having a rounded top and parallel sides.

The electric heater is readily accessible at all times for the purposes of inspection and repairs and the wax receptacle is at all times readily accessible through the closure 5.

It will be apparent that in my device, all the disadvantages heretofore existing or arising from the use of the flame to the sealing wax are obviated. There is great economy effected by the use thereof and I am further enabled to instantly apply the melted sealing wax, which retains its original color and adhesive qualities, to the desired point in the desired quantity without stringing it over the package and the device is at all times ready for instant use.

It will now be apparent that I have devised a novel and useful construction of a sealing wax applier which embodies the features of advantage enumerated as desirable in the statement of the invention and the above description, and while I have, in the present instance, shown and described a preferred embodiment thereof which will be found in practice to give satisfactory and reliable results, it is to be understood that the same is susceptible of modification in various particulars without departing from the spirit or scope of the invention or sacrificing any of its advantages.

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

1. A sealing wax applier, consisting of a wax receptacle, having its forward end open and unobstructed and formed by converging top, side and bottom walls, said bottom wall being of less length than said other walls so as to form an elongated outlet for the melted wax, and an electric heating device carried by said receptacle.

2. A sealing wax applier, consisting of a wax receptacle, having its forward end open and unobstructed, and provided with a nose, consisting of the inclined top 6 having the curved top wall 12, the converging sides 7 and the bottom 8 converging toward said top and of less length, so as to form the melted wax outlet 10, and an electric heater carried by said receptacle at a point in the rear of said converging walls.

WILLIAM H. OGDEN.

Witnesses:
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