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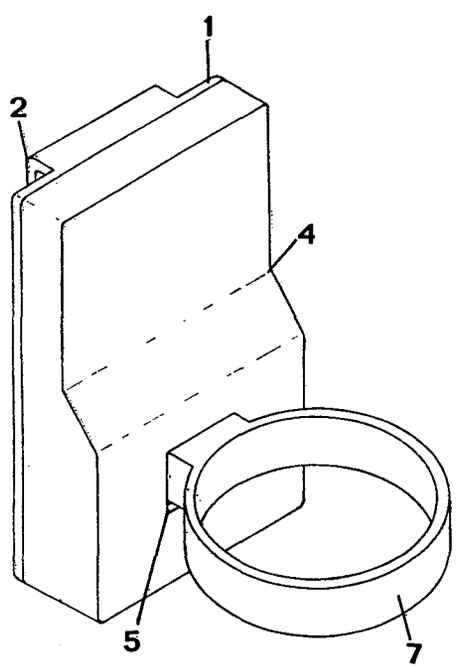
(54) Device for automatic shut-off and support of blow dryers.

(57) Device for automatic shut-off and support of blow dryers made of electrically insulating plastic material, consisting of rectangular or other shaped plate, equipped with rear hooks or the like to be fixed to the belt or to any other support, made to form the rear closing of a container with a ring or strip on the front face shaped as a circle or in general as the body of a blow dryer. Said strip is hinged in correspondence with the upper part of an opening in said container, so that when downwards pressure is exerted due to the weight of the blow dryer itself, it acts on a switch, preferably a micro-switch, placed in said container and connected to a socket where the power supply plug for the blow dryer is inserted, so that the electricity is interrupted when the circuit drawing current from the network is opened.



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Device for automatic shut-off and support of blow dryers

This invention concerns a device which may be attached to a belt, work table edge or other suitable place which both supports and at the same time automatically shuts off the hair dryer.

During their work, hairdressers must put blow dryers down in order to free both hands. Because these operations are so frequent, they cannot turn the dryers off each time, with the obvious result of raising energy consumption and wasting a large part of the heat produced.

The aim of this invention is to make a device to lower energy consumption, and thus the operating costs, of using blow dryers, moreover simplifying and facilitating their maneuverability.

This aim is achieved with a device made of electrically insulating plastic material, consisting of rectangular or other shaped plate, equipped with rear hooks or the like to be fixed to the belt or to any other support, made to form the rear closing of a container with a ring or strip on the front face shaped as a circle or in general as the body of a blow dryer. Said strip is hinged in correspondence with the upper part of an opening in said container, so that when down-

wards pressure is exerted due to the weight of the blow dryer itself, it acts on a switch, preferably a microswitch, placed in said container and connected to a socket where the power supply plug for the blow dryer is inserted, so that the electricity is interrupted when the circuit drawing current from the network is opened.

A preferred embodiment is shown in the attached drawing, figures 1 and 2.

Figure 1 shows an axonometric external view.

Figure 2 shows an exploded axonometric view of the component parts..

In particular, the drawings show plate 1, equipped with rear hook 2 for application and support, which can be connected with screws 3 to container 4. Said container 4 has a rectangular opening 5 in which plate 6 is inserted, joined to ring or circular strip 7, by the introduction of transverse pin 8 in suitable notches 9 in container 4. A transverse hole in said plate 6 allows said pin 8 to rotate slightly when blow dryer 10 is inserted in said ring 7, and so plate 6 hits microswitch 11 to open the electrical circuit supplied from the network through a cable with plug 12 of dryer 10 inserted in socket 13 on the bottom of plate 6. In the absence of the weight of the hair dryer, the cir-

cuit is reclosed.

Of course, while the principle of the invention remains intact, the forms of realization and the particulars of construction may be widely varied from that described and illustrated here, without however going beyond the bounds of the present invention.

Claims:

1. Support device for blow dryers which may be placed on a belt or other support, equipped with a switch operated by a ring in such a way that electricity is supplied to the dryer when it is removed from said ring and that it is automatically shut off when said dryer is inserted in said ring.

2. Device for automatic shut-off and support of blow dryers made of electrically insulating plastic material, consisting of rectangular or other shaped plate, equipped with rear hooks or the like to be fixed to the belt or to any other support, made to form the rear closing of a container with a ring or strip on the front face shaped as a circle or in general as the body of a blow dryer; said strip is hinged in correspondence with the upper part of an opening in said container, so that when downwards pressure is exerted due to the weight of the blow dryer itself, it acts on a switch, preferably a micro-switch, placed in said container and connected to a socket where the power supply plug for the blow dryer is inserted, so that the electricity is interrupted when the circuit drawing current from the network is opened.

3. Device for automatic shut-off and support of blow dryers as claimed in claim 1 wherein plate 1 is equipped with rear hook 2 for application and support, which can

be connected with screws 3 to container 4; said container 4 has a rectangular opening 5 in which plate 6 is inserted, joined to ring or circular strip 7, by the introduction of transverse pin 8 in suitable notches 9 in container 4; a transverse hole in said plate 6 allows said pin 8 to rotate slightly when blow dryer 10 is inserted in said ring 7, and so plate 6 hits microswitch 11 to open the electrical circuit supplied from the network through a cable with plug 12 of dryer 10 inserted in socket 13 on the bottom of plate 6; in the absence of the weight of the hair dryer, the circuit is reclosed.

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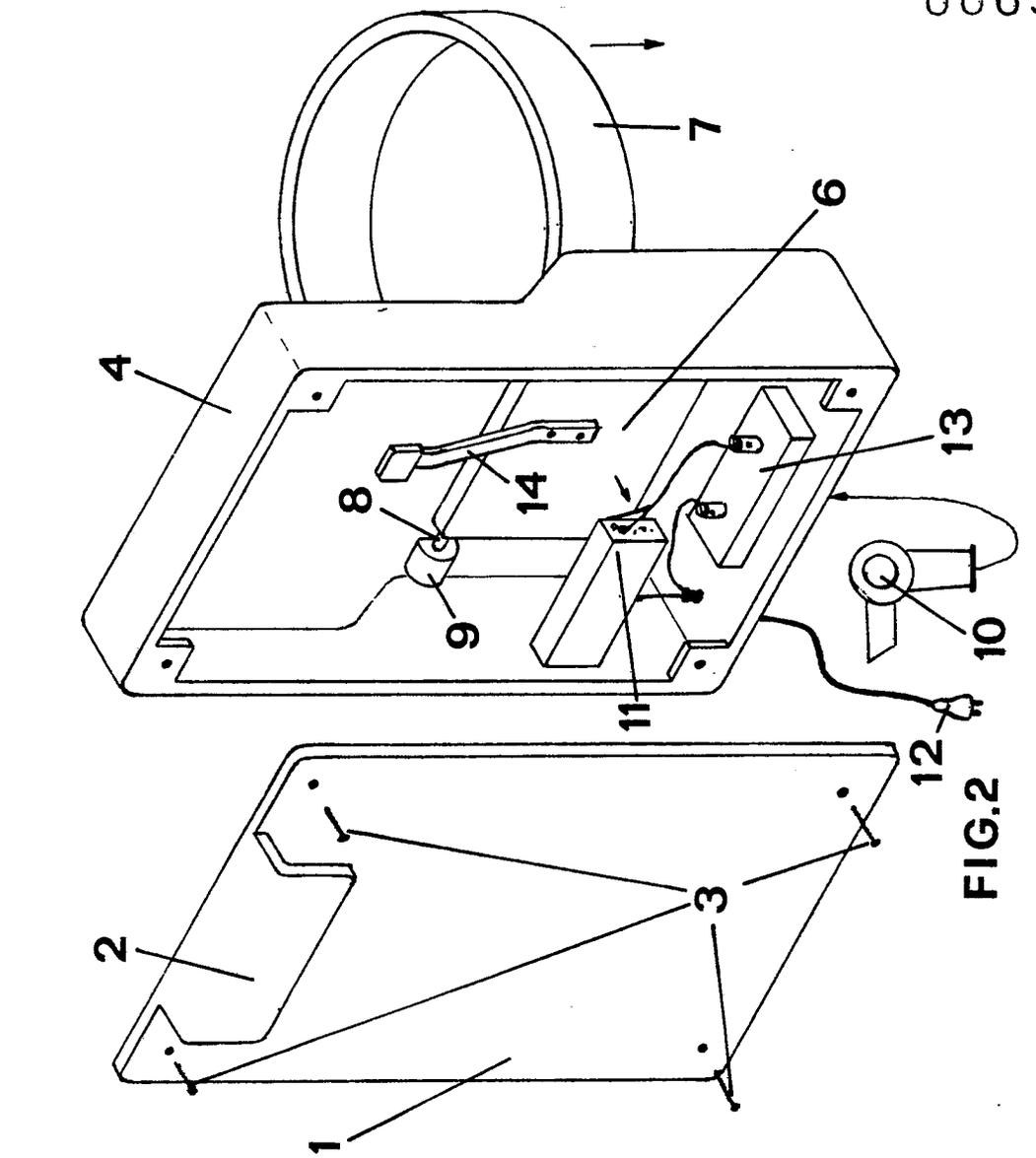

FIG.2

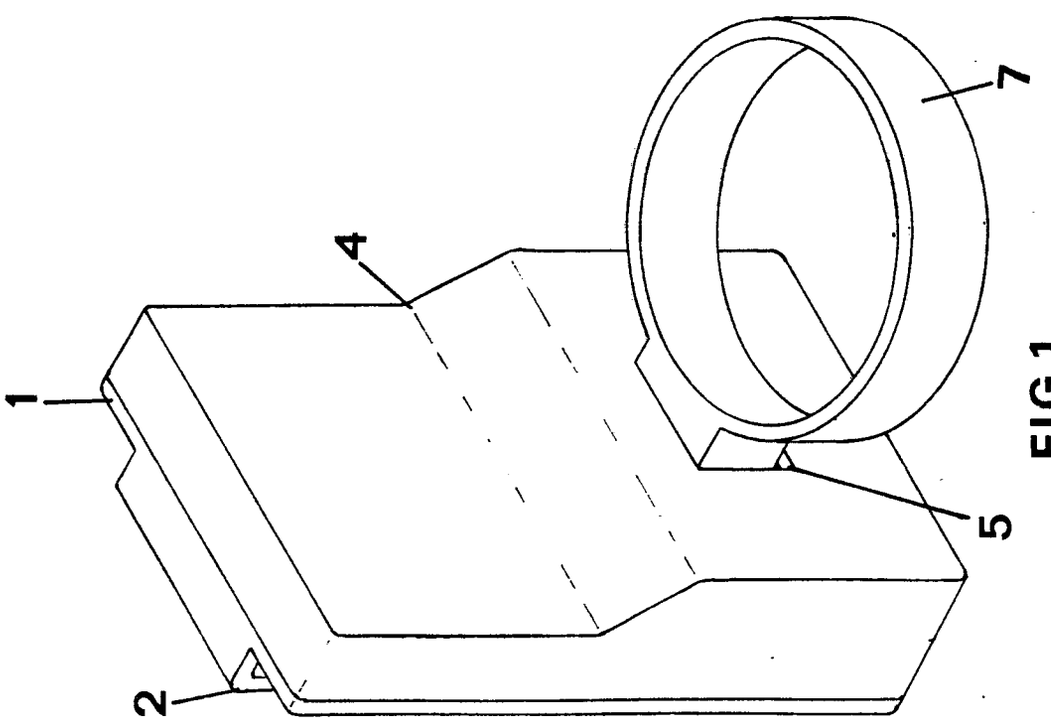

FIG.1