Dec. 4, 1934.

F. J. TROLL

1,983,011

RAZOR BLADE WIPER AND DRIER

Filed May 2, 1934

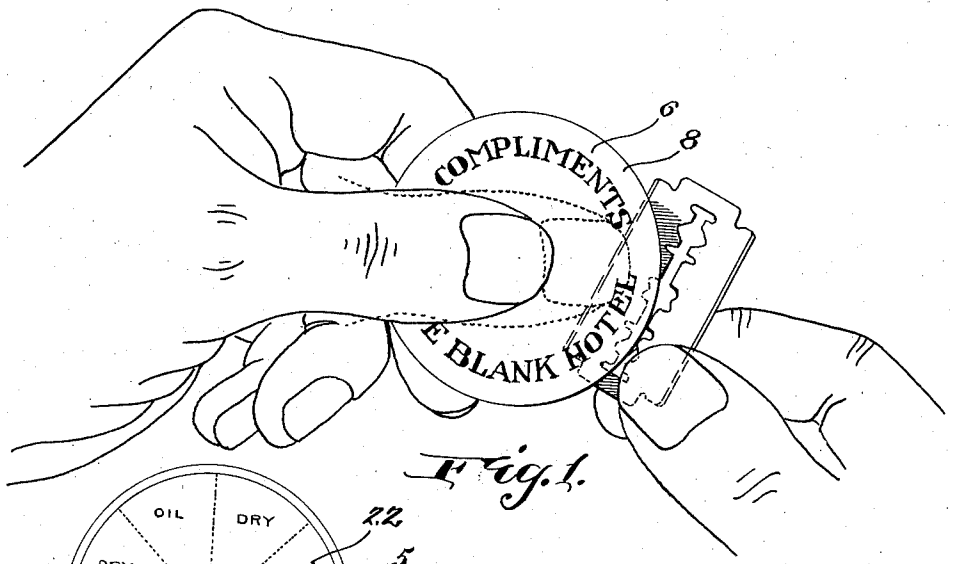


Fig. 1.

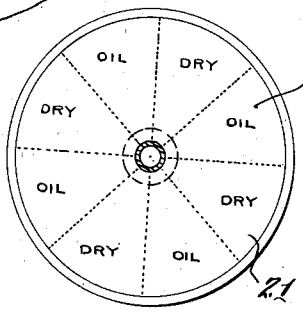


Fig. 5.

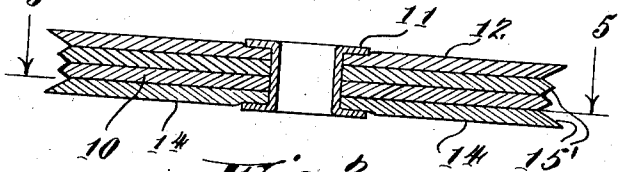


Fig. 3.

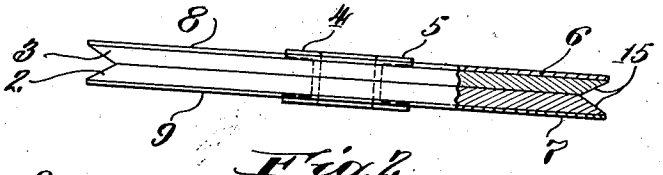


Fig. 2.

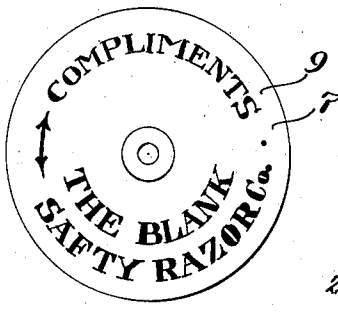


Fig. 6.

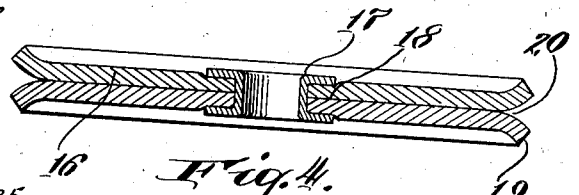


Fig. 4.



Fig. 7.

Witness

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RAZOR BLADE WIPER AND DRIER

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4 Claims. (Cl. 15—218)

The losses incident to the damage to towels by cutting in the attempt to wipe safety razor blades and other razor blades are an important item in hotels and Pullman cars, and such losses are experienced to an almost equal extent by the various towel service and supply companies.

Some hotels furnish a drying and wiping cloth for this particular purpose, but this practice is not sanitary as the cloths are not regularly changed as are towels, etc. with the change of occupants of a room so that these cloths provide a fertile source for the spread of skin infection.

While there have been previous wiping devices for this general purpose, these are of rectangular shape so that when the blade is inserted the cutting edge is concealed and in wiping, portions of it are exposed so that there is danger of cutting the fingers.

The inventor has devised a new commodity whereby the expense and loss incident to the damage to towels in public hostelries, Pullman cars, etc. may be eliminated, the new commodity serving at the same time as an advertising vehicle whereby the manufacturers of safety razors, safety razor blades, shaving creams, etc. may obtain new contacts with the public for the purpose of introducing their wares so that this new commodity in the form of an improved razor blade wiper and drier may be furnished by the manufacturers to the hotels free of charge with a considerable resulting profit to themselves in the way of advertising, and the product may be made further attractive to the hotel and Pullman car companies by printing the name of the hotel on one side of the wiper or drier so that they will prove highly acceptable to the hotel on account of their advertising value, as the average guest having once been introduced to the article and recognized its value will take it with him for further use, thus broadcasting the name of the hotel to his various friends and acquaintances. The new wipers are so cheap that they can be discarded and renewed for each new guest, avoiding infection.

The wiper of the invention consists of a plurality of circular or similarly formed disks of absorbent material to which may be added outside disks of celluloid or other glazed material on which the advertising is printed, or the outside surfaces of the disks may be glazed or otherwise treated to present suitable printing surfaces and utilized for this purpose. The disks are tightly fastened together at the center and are open at the periphery for the insertion of the blade, thus providing a large area of absorptive material which is capable of being utilized in numerous alternative segments so that the drier or wiper is capable of long service before the available area is used to the extent that the wiper is no longer satisfactory.

It is also of interest that in the preferred form of the invention the wiping disks are so tightly fastened and compressed at the center that there is no opportunity to dull the edge of the blade by bringing it in contact with the central fastening member, and it is further of interest that in the preferred form the wiping disks or part of them are partially saturated with oil or other cleaning and lubricating and rust preventing preparation, the oil being preferably distributed in alternate sections so that as the blade is drawn through the wiper or drier, it is cleaned and oiled at a single stroke. It will also be noted that the oiled surfaces tend to shed the soap and other particles which adhere more closely to the dry surface, thus providing at all times a clean oiling surface and a dry surface to which the foreign matter on the surface of the blade adheres, both surfaces being engaged by the blade in a single wiping stroke so that drying and oiling are accomplished at the same time.

In the accompanying drawing I have illustrated a safety razor blade, wiper and drier, embodying the features of my invention in the preferred form.

In the drawing:

Figure 1 is a plan view of the drier in operation.

Figure 2 is a side view partially in section of the preferred form of drier.

Figure 3 is a section on a diametrical plane of the axis of an alternative form of the drier.

Figure 4 is a similar view of still another form.

Figure 5 is a section on the line 5, 5 in Figure 3 which likewise illustrates the construction of Figure 2.

Figure 6 is a plan view looking at the drier from the opposite side from that illustrated in Figure 1.

Figure 7 is a section on a diametrical plane of the axis of still another form of the drier.

Figures 1 and 6 are particularly illustrative of the form of Figure 2, but the same plan views may be treated as illustrating the other figures, the printing being a desirable feature of all forms of the invention.

Referring to the drawing by numerals, the construction shown comprises a wiper for safety razor blades and other razor blades. This in the preferred form as shown in Figure 2 consists of a plurality of disks indicated by reference char-

acters 2 and 3, the same being shown as of circular outline and laid together in contact and in registration and secured at the center by a tubular or similar fastening 4 which may be of soft metal. The fastening is flanged outwardly at each end at 5 to secure the plurality of sheets 2 and 3 in close contact particularly at the center.

In addition to the sheets of absorbent material 2 and 3, the construction in Figure 2 includes outside sheets at the top and bottom indicated by reference characters 6 and 7, the same being of celluloid or other suitable material which presents an attractive printing surface and which also serves as a suitable shield and support for the sheets of absorbent material 2 and 3. These outside disks, 6 and 7, having printing surfaces 8 and 9, are to the best advantage inscribed with advertising material as indicated in Figures 1 and 6, one printing surface 8 being to advantage inscribed with an advertisement of the hotel and the other printing surface 9 being inscribed with an advertisement of a safety razor manufacturer, a safety razor blade manufacturer or a manufacturer of shaving cream or the like.

The wipers of the form shown in Figure 3 comprise a plurality of sheets of absorptive material 10 fastened at the center by a suitable fastening device 11. This wiper may be provided with printing surfaces 12 and 14 inscribed as in Figures 1 and 6 on one side with an advertisement of the hotel or merely the name thereof and on the other side with the advertisement of an organization manufacturing or selling safety razor blades, safety razors or shaving cream or other shaving commodity or any other commodity which it is desired to advertise. It is also of interest that the absorbent sheets 2 and 3 in Figure 2 and the absorbent sheets 10 in Figure 3 or either of them, may be treated in segments or similarly treated, as shown in Figure 5, having alternate areas more or less saturated with oil, cleaning and polishing fluid or similar commodity, the remaining segments intervening between the oiled segments being dry. It is also of interest that the absorbent sheets 2 and 3 in Figure 2, and 10 in Figure 3, are bevelled at their edges at 15 and 15', the bevelled edges converging inwardly so as to form grooves which provide a suitable entrance for the blade between the sheets in wiping.

In Figure 4 I have illustrated still another form of wiper having a plurality of absorbent sheets 16 fastened at the center by a tubular fastener 17. In this instance, as in Figures 2 and 3, the sheets are pressed together with extreme closeness at and adjacent the fastener as shown at 18 to eliminate any possibility of the blade coming in contact with the fastener and the outer edges are turned outwardly at 19 providing a peripheral rabbet or groove at 20 for the admission of the blade.

In Figure 7 I have shown still another embodiment of the invention in which two or any suitable number of absorbent sheets 25 and 26, which are preferably of circular outline, are placed in registration with their absorbent wiping surfaces 27 in contact and secured at the center by means of adhesive, the disks being pressed tightly together in a suitable press to bring them in close contact. In accordance with the preferred form of this construction, a small disk 28 of active adhesive material is placed between the sheets 25 and 26, i. e., between all the adjacent sheets, whatever number are used, the adhesive being if necessary first moistened and the sheets subsequently pressed together in a screw or hydraulic or similar press so as to cause them to adhere permanently in close relation as illustrated. In this way any tendency to injury to the edges of the blades or to dull them by contact with a relatively hard fastening is completely eliminated. The adhesive disks in accordance with the present practice consists each of a disk of fabric with tacky adhesive on each side.

The edges of the disks are preferably bevelled as indicated at 29 to provide a groove 30 for the convenient entrance of the blades between the disks and the outside surfaces of the disks at 31 and 32 are glazed or otherwise suitably treated and adapted for the printing or inscription of advertising material, as shown in Figures 1 and 6, and the disks may be oiled and dried in segments as illustrated in Figure 5.

In using the wiper it may be held in the left hand as illustrated in Figure 1, the blade being entered at the edge as illustrated at 15 and 20 and passed inwardly between the disks of absorbent material as shown until a sufficient area of the blade is enclosed and in contact with the absorbent sheets on each side. The blade is then drawn back and forth in the direction of its length, the respective areas of the blade coming in contact first with the drying segments 21 and then with the oiled or similarly treated segments 22. In this way the foreign material on the blade is caused to adhere to the dry area, the portion thus cleaned being then oiled by contact with the oiled areas 22, it being understood, as already pointed out, that the oiled areas have a tendency to pass the foreign material which is accumulated on the dry areas, the oil having a tendency to coat and polish the blade.

Important advantages of the drier and wiper of the invention are that it provides a large number of drying and wiping areas particularly adapted to the wiping of safety razor blades so that a succession of new and clean wiping areas are available for the wiping of the blade, each being used several times as may be desirable until after many applications the wiper may be discarded. The wiper also has the advantages already pointed out of alternative oiling and drying areas, and it also serves an important function as a vehicle for advertising both the manufacture of shaving implements and the commodities and the hostelry or service company in connection with the patronage of which it is distributed and used. The wiper is a cheap commodity which will be appropriated for further use and carried away by the majority of guests, and thus automatically given an extensive circulation with a correspondingly extensive exhibition of the advertising matter inscribed on its outer surfaces. The printing surface may also be marked to indicate that the wiper is a present to the guest to be taken with him for further use. The cheapness of the commodity also makes it feasible to replace them in each room for each guest, thus contributing to sanitation.

It is also of interest that the circular shape of the wiper contributes to the convenience and safety of the user in wiping the blade, as the curvature of the edge of the wiper provides for the complete envelopment of the cutting edge of the blade while the ends of the back edge of the blade protrude and furnish a good grip for the fingers. This contributes to increased convenience in wiping the blade, keeping the edge covered at all times so that the hands are protected from cutting, the corner portions of the blade

at each end of the back of the blade only being exposed.

I have thus described specifically and in detail a safety razor blade drier and wiper embodying the features of the invention in the preferred form in order that the manner of constructing, applying, operating and using the same may be fully understood, however, the specific terms herein are used descriptively rather than in a limiting sense, the scope of the invention being defined in the claims.

What I claim as new and desire to secure by Letters Patent is:

1. A wiper for razor blades comprising a plurality of disks of absorbent material with fastening means at the center, the peripheral edges of the disks being divergently arranged for the convenient admission of a blade and the centers being tightly compressed to prevent contact of a blade edge with the fastening.

2. A drier for razor blades comprising a plurality of sheets of absorbent material, means for tightly fastening the same together at a single point only at the center, the sheets being in registration and having inwardly disposed surfaces of an absorbent nature adapted for wiping a blade.

3. A wiper for safety razor blades comprising a plurality of circular disks of absorbent material placed in registration and secured together, the disks having inwardly disposed wiping surfaces arranged in alternative areas, part of which are dry, the remainder of said area being supplied with cleaning and polishing fluid.

4. A drier for safety razor blades comprising a plurality of sheets of absorbent material of substantially circular uniform shape and size placed in contact and in registration, and a relatively small area of sheet material coated with adhesive material located between the sheets and securing the sheets together at the center, said sheets having inwardly disposed surfaces of an absorbent nature adapted for wiping a blade.

FREDERICK J. TROLL.