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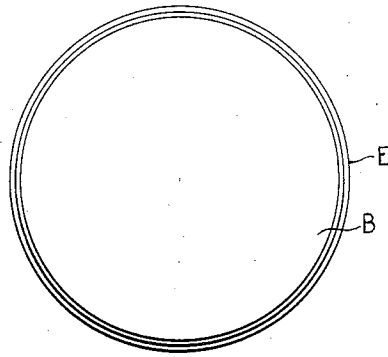
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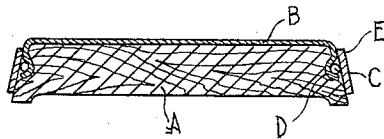
PEN WIPING DEVICE

Filed Aug. 27, 1934

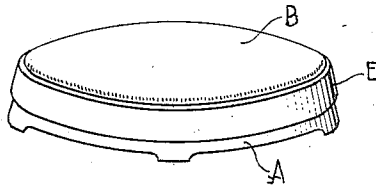
*Fig. 1*



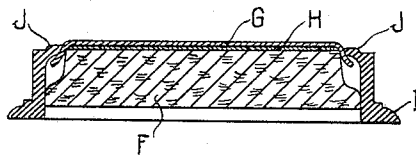
*Fig. 2*



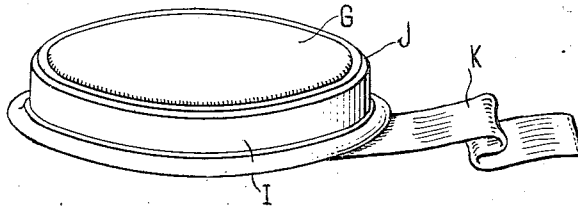
*Fig. 3*



*Fig. 4*



*Fig. 5*



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# UNITED STATES PATENT OFFICE

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## PEN WIPING DEVICE

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In Spain August 31, 1933

4 Claims. (Cl. 120—108)

The subject of the present invention is a device for freeing writing pens from foreign bodies which become attached to them during use, and which are generally composed of fibre and fluff of various kinds, chiefly the sediment from inks, shreds of paper, dust, etc., which are imprisoned between the points of the pen and cause the lines in the writing to appear more or less blotched.

In order to avoid this objection and keep the pen free from these foreign bodies or materials, use is made, according to the present invention, of the smoothness and flexibility of rubber, which is arranged in the form of a sheet and forms a kind of pad of a suitable thickness arranged on a special support which allows wide lines to be made on its surface without an excessive pressure of the pen, which lines are sufficient to open the points of the pen slightly and allow a certain quantity of ink to flow which carries the foreign body away from the pen and deposits it on the rubber.

The position and the movement of the pen in effecting this simple operation are those which are employed for making fine lines or strokes upon the said sheet of rubber.

The impervious nature of this surface allows the ink and the deposited impurities to be eliminated easily from its surface by washing with running water.

In order to make the subject of the invention more clear and simple, by way of example a drawing is attached in which two forms of the pen wiper are illustrated. These embodiments, without going outside the scope of the invention, may vary in form and dimensions.

In this drawing:

Figure 1 is a plan view of a first embodiment of the invention.

Figure 2 is a diametral cross section of this embodiment.

Figure 3 is a perspective view of the device shown in Figures 1 and 2.

Figure 4 is a diametral cross section of a second embodiment of the invention.

Figure 5 is a perspective view of the device shown in Figure 4.

The device illustrated in Figures 1 to 3 is composed of a plate or support A in the form of a cone frustum which may be made of wood or other suitable material. Upon the smaller diameter face of this support is placed a sheet of rubber B which is circular in shape but is of larger size than the face of the support upon which it is fitted. The overlapping portion of this sheet is turned down over the whole of its

periphery over the lateral wall of the support and is secured to the latter by means of a string or cord C which compels the sheet of rubber B to become lodged partly within the groove D so that it cannot slip off.

The arrangement thus formed is enclosed by a ring E, also slightly conical, which may be made of metal or any suitable material and is so shaped that it covers the rubber sheet B held by the cord C and assists in holding the rubber while improving the appearance of the device.

In Figures 4 and 5 the device comprises a flat circular disc F having a smaller face and a larger face and a sheet of rubber G placed on the smaller face and overlapping the edge of the latter so that it can be turned down over the side wall of the disc.

An outer ring I carries internally the disc F, which may advantageously be composed of compressed cork or other similar material, which disc, by its upper, narrower part, fits closely into a flange J of the ring I, the sheet of rubber G, of somewhat greater diameter than the flange J, being gripped between the two.

The said disc is provided on its top face, just below the rubber sheet G, with a sheet of paper, cardboard or the like H, in order to present below the said sheet a smoother surface than that of the cork.

The device is also provided with a ribbon or cord K, which may be secured to same in any suitable way, and on top of which may be placed the inkpot, a lamp, a paper weight, etc., for the purpose of retaining the device on the table.

To the utility of the device according to the invention must be added the advantage of low cost, long life (because the rubber portion can easily be renewed) and convenience of use, while it also forms a decorative article for writing desks.

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

1. A pen wiper for removing fibres, fluff and other foreign bodies which adhere to writing pens, comprising a substantially flat circular disc formed of a cone frustum having an annular groove in its side wall, a sheet of rubber mounted upon the smaller face of this disc and overlapping the edge of the disc, a rubber ring mounted upon the periphery of the disc and adapted to grip the overlapping edge of the rubber sheet into the groove in the peripheral wall of the disc, an outer ring having a conical inner wall mounted on the support outside the said

first ring, the said outer ring being adapted to enclose the peripheral wall of the disc.

5 2. A pen wiper for removing fibres, fluff and other foreign bodies which adhere to writing pens, comprising a substantially flat disc, having one face larger than the other, and having disposed on the smaller face a sheet of rubber of similar outline to the said disc overlapping its edge, said disc, together with the sheet of rubber, fitting into a ring with cylindrical inner wall.

10 3. A pen wiper for removing fibres, fluff and other foreign bodies which adhere to writing pens, comprising a substantially flat disc, having one face larger than the other, and having disposed on the smaller face a sheet of rubber of similar outline to the said disc overlapping its edge, said disc, together with the sheet of rubber, fitting into a ring with cylindrical inner wall, which ring is provided on top with an

inwardly projecting flange, the surplus border of the sheet of rubber being gripped between the side wall of the disc and the inwardly projecting flange of the outer ring.

4. A pen wiper for removing fibres, fluff and other foreign bodies which adhere to writing pens, comprising a substantially flat disc, having one face larger than the other, and having disposed on the smaller face a sheet of paper, cardboard or the like, and above this a sheet of rubber of similar outline to the said disc overlapping its edge, said disc, together with the sheet of rubber, fitting into a ring with cylindrical inner wall, which ring is provided on top with an inwardly projecting flange, the surplus border of the sheet of rubber being gripped between the side wall of the disc and the inwardly projecting flange of the outer ring.

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