

Dec. 27, 1927.

1,653,652

A. MELNIKER

HOLDER

Filed Oct. 17, 1925

2 Sheets-Sheet 1

Fig. 1

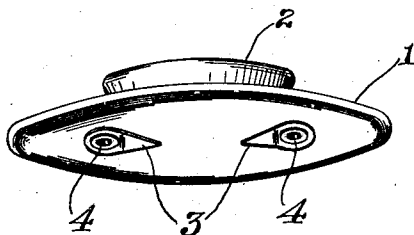


Fig. 2

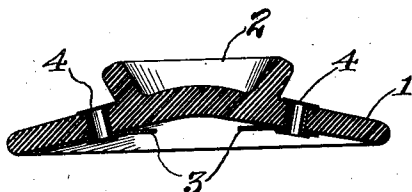


Fig. 4

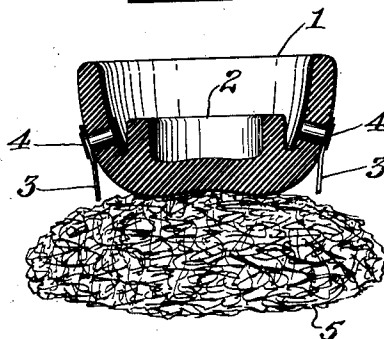


Fig. 3

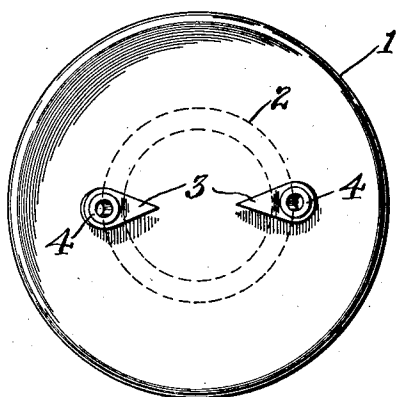
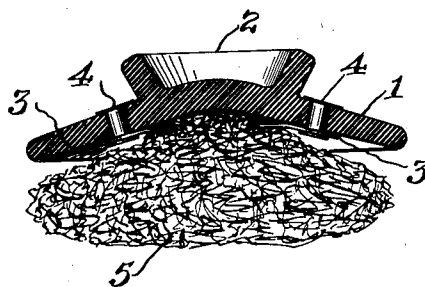


Fig. 5



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2 Sheets-Sheet 2

Fig. 6

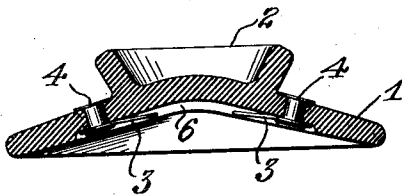


Fig. 7

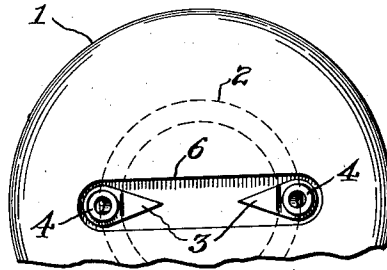


Fig. 8

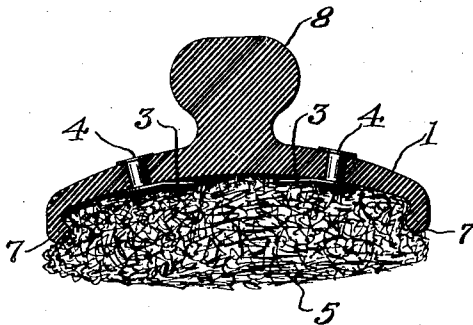
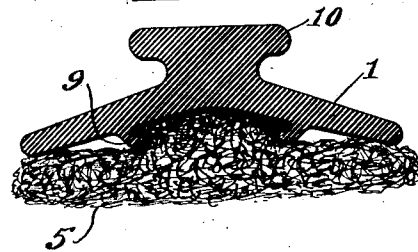


Fig. 10

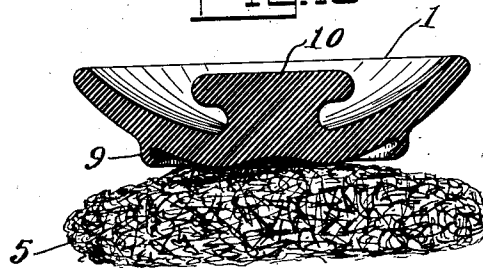


Fig. 11

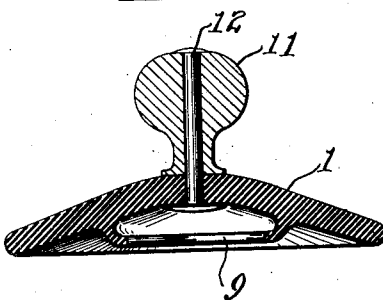
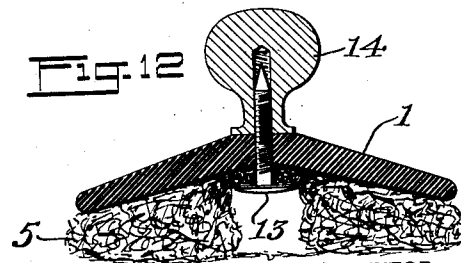


Fig. 12



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UNITED STATES PATENT OFFICE.

ABRAHAM MELNIKER, OF BROOKLYN, NEW YORK.

HOLDER.

Application filed October 17, 1925. Serial No. 62,983.

My invention relates generally to a particular type of holder, the body of which is resilient, and having means attached thereto for gripping the material to be held within the holder, such device being adapted for use in polishing or cleaning various articles such as furniture, floors, wood-work, kitchen utensils and other articles.

One of the objects of my invention is to provide a holder for steel wool, cotton waste or the like which will prevent said materials from coming into contact with the fingers or hand of the person using them.

Another object of my invention is to produce a resilient holder for steel wool, cotton waste or the like, having one or more gripping members rigidly secured to the body portion of the holder, said gripping members being separated and brought together again to hold the steel wool, cotton waste or the like by distorting said body portion and allowing it to return to its normal shape.

A further object of my invention is to produce a resilient holder having means for gripping the material within the holder.

A further object of my invention is to produce a holder for steel wool, cotton waste or the like which will be inexpensive to manufacture, simple to operate and very effectual when used for any one of various uses to which it can be applied.

With these and other objects in view, to be more fully set forth hereinafter, the invention consists in the novel construction, combination of elements and arrangement of parts which will be exemplified in the operation and construction herein described in the following specification and illustrated in the accompanying drawings:

The invention will first be described in connection with the accompanying drawings, wherein similar reference characters are used to designate corresponding parts throughout the several views, and more specifically defined and indicated in the appended claims.

Attention is directed to the drawings in which:

Fig. 1 is a perspective view of my improved holder;

Fig. 2 is a central sectional view of the same showing the method of fastening the gripping teeth to the body portion thereof;

Fig. 3 is a plan view looking at the bottom of my improved holder;

Fig. 4 is a central sectional view illustrating

how the body portion of my holder is distorted preparatory to gripping the material to be used in connection therewith;

Fig. 5 is a central sectional view of the same illustrating how the material is gripped between the teeth upon the return of the body portion to its normal shape;

Fig. 6 is a central sectional view of a modification of my holder;

Fig. 7 is a partial plan view looking at the bottom of the same;

Fig. 8 is a central sectional view of another modification;

Fig. 9 is a central sectional view of still another modification illustrating another means of holding the material to be used therewith;

Fig. 10 is a central sectional view of the same with the body portion distorted preparatory to gripping the material;

Fig. 11 is a central sectional view of a modification of the modified form as illustrated in Figs. 9 and 10; and

Fig. 12 is a further modification of my improved holder illustrating a detachable means for holding the material in place.

Referring to the drawings, 1 represents the flanged body portion of my improved holder which is preferably made of rubber. Centrally located on the top of said body portion 1, and integral therewith is the ring 2. Diametrically located and equidistant from the center of the body portion 1, are the gripping pins 3 which are securely fastened thereto by means of the rivets 4, said gripping pins acting as a means for holding the steel wool, or cotton waste 5, or the like, in position when using the holder as illustrated in Fig. 5 of the drawings.

In order to insert a piece of steel wool, cotton waste or the like into the holder, the body portion 1 must first be bent upward as illustrated in Fig. 4. This is accomplished by exerting a downward pressure upon the center of the holder while the outer edge of the body portion 1 is pulled upward at two points directly opposite the gripping pins 3. The action is similar to that of turning a resilient cup shaped article inside out when applying the pressures at diametric points; the periphery taking an oval shape which is not illustrated in the drawings but which can be readily understood. When the holder is in this distorted position it is brought down into contact with the steel wool or cotton waste 5 as illustrated

in Fig. 4, and the pressure is released from the outer edge of the body portion which allows it to spring back into its normal position due to its resilient properties.

5 During the return of the body portion to its normal position the pins 3 are swung downward and in toward the center line of the holders, causing them to dig into the steel wool or cotton waste, bunching and gripping it between themselves and the underside of the body portion as illustrated in Fig. 5, thereby causing said steel wool or cotton waste to be held securely within said holder.

15 Referring to the modifications as illustrated in Figures 6 and 7, I show the gripping pins 3 located within the depression 6; the purpose of which is to avoid any possibility of said gripping pins, due to the pressure being exerted upon the center of the holder, from coming into contact with the surface of the article which is being cleaned or polished, which of course, could only happen when a small quantity of steel wool or cotton waste is used. The method of inserting the steel wool or cotton waste into the holder is identically the same as that which I have already described herein.

20 With reference to the modification as illustrated in Fig. 8, I show an overhanging beaded edge 7 on the periphery of the body portion 1. The purpose of said beaded edge is to bunch the steel wool or cotton waste within the holder, to avoid its spreading out and covering a greater area than is required. The bunching is automatically effected when the body portion is allowed to return to its normal position after having been bent upward for the insertion of said steel wool or cotton waste as illustrated in Fig. 4 and already described herein. Integral with the body portion 1, and centrally located upon the top thereof is the round knob 8 which provides a substantial means for applying pressure to the holder when in use.

25 Attention is now called to the modification illustrated in Figs. 9 and 10, in which I show a ring 9, integral with, and of the same material as the body portion 1, located upon the underside thereof, which takes the place of the gripping pins 3.

30 When inserting the steel wool or cotton waste 5, the body portion 1 must be bent upward as already described herein. This causes the ring 9 to be enlarged or stretched (Fig. 10) and when the body portion is allowed to return to its normal position, the ring due to its being hook shaped in cross section, bunches the material as it closes inward to its normal position, thereby gripping said material as illustrated in Fig. 9.

35 The method of inserting the steel wool, cotton waste or the like into the modified holder illustrated in Fig. 11, is similar to

that already described herein and illustrated in Figs. 9 and 10. The only difference between these two modifications is the knob or handle attached to the body portion 1. In the modification illustrated in Figs. 9 and 10, I show a flat circular knob or handle 10, which is integral with the body portions and of the same material. In the modification illustrated in Fig. 11 I show a knob or handle 11 which may be made of wood, fibre, metal or any other suitable material for the purpose, with a hole drilled through it for the reception of the rivet 12, which holds it securely to the body portion.

Referring to the modification as illustrated in Fig. 12, I show the body portion 1 without a means of gripping the steel wool or cotton waste 5, which is securely held in position in this form of my improved holder by passing the sharp pointed screw 13 through it and a hole in the center of the body portion, and then screwing the knob or handle 14 into position as shown.

40 In accordance with the provisions of the patent statute, I have described my invention together with the constructions which I now consider to represent the best embodiment thereof, but I desire it understood that my invention is not confined to the particular forms shown and described, the same being merely illustrative, and that the invention can be carried out in other ways without departing from the spirit of my invention, and therefore, I claim broadly the right to employ all equivalent instrumentalities coming within the scope of the appended claims, and by means of which objects of my invention are attained, and new results accomplished, as herein set forth, as it is obvious that the particular embodiments herein shown and described are only some of many that can be employed to attain these objects and accomplish these results.

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

1. A holder for a wad of cleaning material comprising a shallow, concavo-convex member of resilient material, having a handle on the convex side, and wad penetrating and gripping means adjacent said handle on the concave side of said member, said gripping means being adapted to engage the wad upon a side directly opposite to the side which contacts with the material to be cleaned.

2. In a holder for a wad of cleaning material, a member of molded rubber or like deformable material of concavo-convex form, adapted to be turned inside out and when in such reversed position having a pair of oppositely arranged, downwardly projecting, parallel wad penetrating prongs on its outer side, said prongs, when the position of said member is again reversed,

having a tong-like movement to grip a wad of cleaning material placed in contact with said member.

3. In a holder for a wad of cleaning material, a shallow concavo-convex member of molded rubber or like deformable material, a relatively massive handle upon the upper side thereof, said member being adapted to be turned inside out and, when
10 in such reversed position having a pair of

oppositely arranged, downwardly projecting wad penetrating prongs on its outer side, secured by rivets through said member close to said handle, said prongs, as the form of said member is reversed, having a tong-like
15 movement to grip a wad of cleaning material placed in contact with said member.

This specification signed this 14th day of October, 1925

ABRAHAM MELNIKER.