Jan. 13, 1942. R. W. CHANDLER 2,269,809

DUSTER

Filed Oct. 29, 1940

Fig. 2.

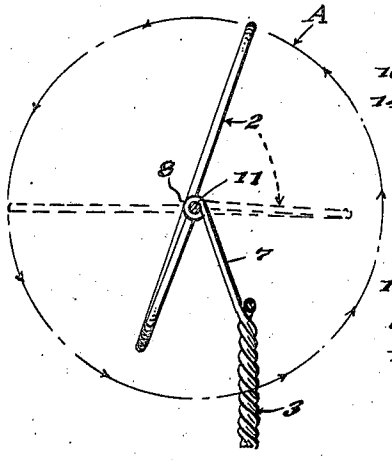
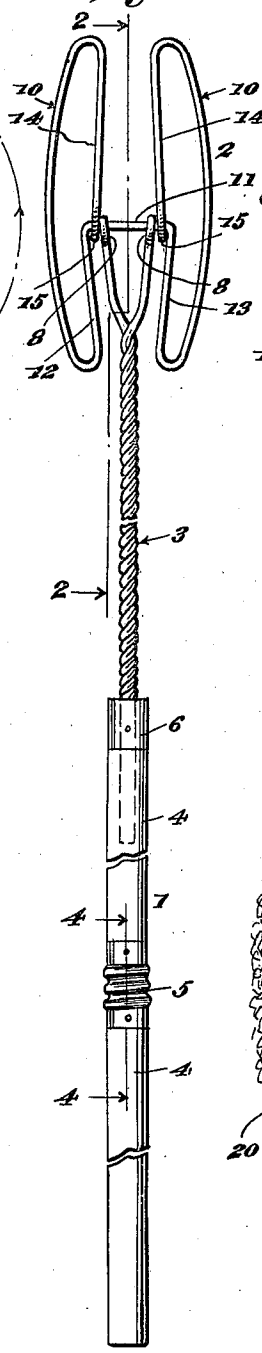


Fig. 1.



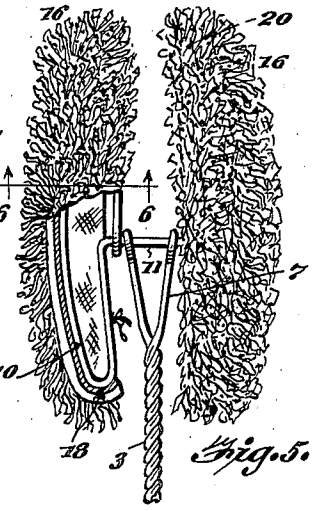


Fig. 5.

Fig. 3.

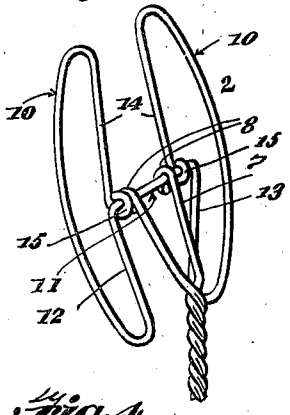


Fig. 6.

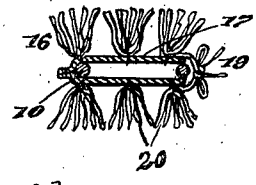


Fig. 4.

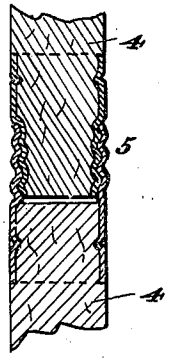
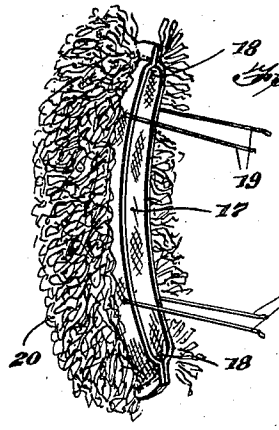


Fig. 7.



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Patented Jan. 13, 1942 2,269,809

UNITED STATES PATENT OFFICE

2,269,809

DUSTER

Ruth Williams Chandler, Tulsa, Okla., assignor of one-twentieth to Edward P. Randall, Tulsa, Okla.

Application October 29, 1940, Serial No. 363,361

1 Claim. (Cl. 15—147)

This invention relates to a duster.

An object of the invention is the construction of a novel and efficient duster which can be used to great advantage in dusting objects, or floors or the like.

Another object of the invention is the construction of a novel duster that is provided with a frame that can make a complete revolution upon the handle so that the head of the duster can easily slip over small objects or places, such as table legs and chair rounds, also Venetian blinds, etc.

A still further object of the invention is the construction of a novel duster having a frame comprising complete loops, and said loops having a single central portion, which central portion is rotatably mounted upon a handle, thereby permitting the frame, constituted by said loops and central portion, to completely rotate upon the handle.

With the foregoing and other objects in view, the invention comprises certain novel constructions, combinations, and arrangements of parts as will be hereinafter fully described, illustrated in the accompanying drawing, and more particularly pointed out in the appended claim.

In the drawing:

Figure 1 is a top plan view of a duster constructed in accordance with the present invention.

Figure 2 is a sectional view taken on line 2—2, Fig. 1, and looking in the direction of the arrows.

Figure 3 is a perspective view of the frame.

Figure 4 is an enlarged sectional view taken on line 4—4, Figure 1, and looking in the direction of the arrows.

Figure 5 is a plan view of the entire head of the duster, showing one of the swabs in section.

Figure 6 is a sectional view, taken on line 6—6, Figure 5, and looking in the direction of the arrows.

Figure 7 is a perspective view of one of the swabs.

Referring to the drawing, in which the preferred embodiment of the invention is shown, 1 designates the handle as a whole, upon which handle is rotatably mounted the frame 2. As shown in Figure 2, by the arrows and circular line A, the frame 2 can be completely rotated upon said handle 1.

The handle 1 comprises a wire unit 3 and preferably two wood units 4. These units 4 are detachably connected by coupler 5; coupler 5 is of a common construction and can be made out of any suitable material. The wire unit 3 is made up of preferably two flexible strands or wires, and the inner end is extended into collar 6, in any suitable manner. The outer end of wire unit 3 is of a Y-shape 7; said Y-shape end 7 is provided with two eyes 8.

The frame 2 comprises two elongated parallel loops 10 which are connected at their central portion by a transverse central piece or portion 11. These loops 10 and portion 11 are formed out of one piece of wire. The left hand side loop has its inner portion 12 bent at right angles to produce the central portion 11 and this central portion 11 is continued to make the inner portion 13 of the right hand loop 10. At the inner ends of portions 14 there are eyes 15, which surround the central portion 11. The eyes 8 of the Y-shape end 7 surround portion 11 between portions 14. The frame is left open at both ends, between loops 10, whereby the frame can rotate completely as shown by line A in Fig. 2. It is very advantageous to have the duster head rotatable for it facilitates operation, as well as minimizes damage to furniture and the like, by reason of the operator forcing the duster head over objects.

The wire unit 3 is of sufficient flexibility to allow the handle to bend, to better accommodate the duster to all conditions, and as the head is rotatable, the whole duster is of a very advantageous construction.

On the frame 2 I place two swabs 16. Each swab 16 comprises an elongated fabric bag 17, which is open along one edge, so as to allow insertion into the bag of one of the loops 10. The bag 17 is provided with pockets 18 at its ends, into which the ends of the loop are seated, as shown in Figure 5. Tie strings 19 are provided; these tie strings are permanently fastened at their inner ends to the bag 17, with their outer ends left free. When the bag 17 has been placed upon the loop, then the strings 19 are fastened, as shown in Figure 6, and the swab is held against accidental displacement off the loop. The bag 17 has fibers 20 thereon; the amount of fibers 20 carried by or attached to each bag 17 is entirely optional with the operator.

While I have described the preferred embodiment of my invention and illustrated the same in the accompanying drawing, certain changes or alterations may appear to one skilled in the art to which this invention relates during the extensive manufacture of the same and I, therefore, reserve the right to make such changes or alterations as shall fairly fall within the scope of the appended claim.

What I claim is:

In a duster, a head comprising a substantially H-shaped frame having a cross bar and side arms and consisting of a wire strand bent to form the cross bar and portions extending laterally from the ends thereof, the said portions being each folded outwardly back upon itself to provide inner and outer portions of a side arm, the said outer portions extending across the cross bar in spaced relation to ends thereof and at a point well beyond the cross bar being folded inwardly back upon themselves in spared relation to the outer portions and at their extremities formed with eyes engaged about ends of the cross bar, the outer portion of each arm being bowed longitudinally its full length and braced by the companion inner portions extending in opposite directions from the cross bar with the outer ends merging into ends of the bowed outer portion, a handle having outwardly-extending forks at its front end terminating in eyes engaged about the cross bar of said head and mounting the head for complete turning movement about the cross bar as an axis, said eyes of said fork engaging the inner faces of said first-mentioned eyes, whereby said folded-in portions are held spaced to permit complete rotation of said H-shaped head, and fabric jackets of dusting material removably fitted about the side arms in enclosing relation thereto and formed along their inner side edges with openings for insertion and removal of the arms.

RUTH WILLIAMS CHANDLER.