

R. C. HOAG.
DUSTER.

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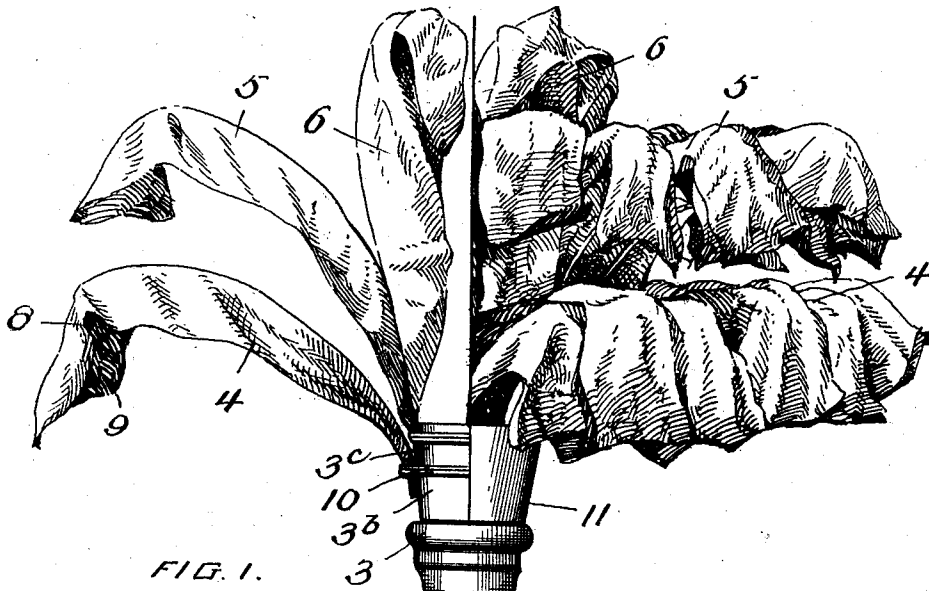
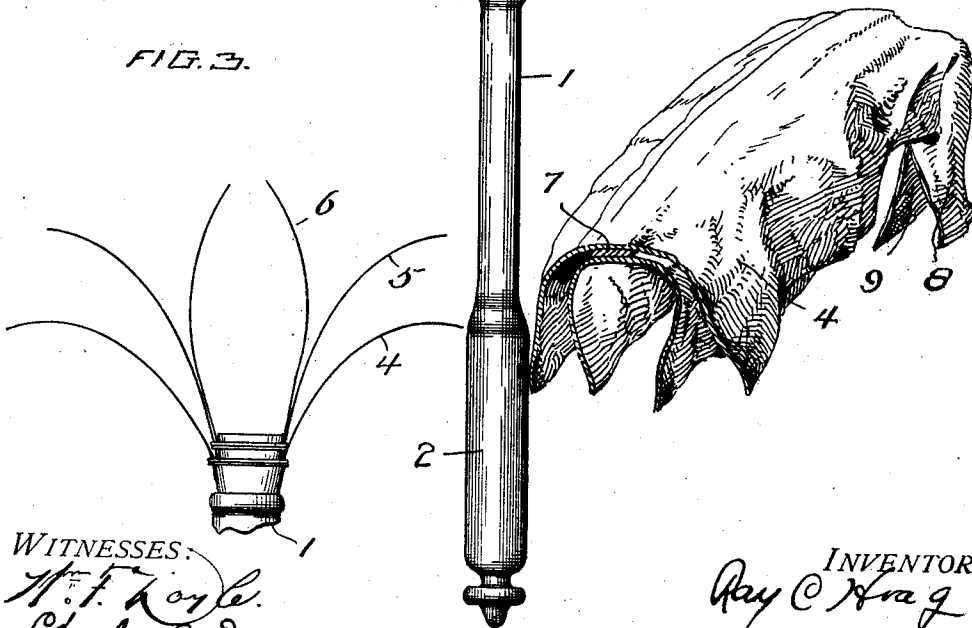


FIG. 1.

FIG. 2.

FIG. 3.



WITNESSES:

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DUSTER.

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To all whom it may concern:

Be it known that I, RAY C. HOAG, a citizen of the United States, residing at Monticello, in the county of Jones and State of Iowa, have invented a new and useful Improvement in Dusters, of which the following is a specification.

This invention relates to dusters and has for its object to provide a device of this nature which will be more durable than the ordinary form of duster constructed of feathers or the like, and which will at the same time retain the desirable features of flexibility and softness.

Another object is to provide a device which will retain its natural shape and yet have a certain amount of spread and flexibility which will permit it to do the work intended in a desirable manner.

Another object is to provide a duster having means for retaining within its parts the dust removed from the objects dusted and thus prevent it from flying about and settling on other objects.

A still further object is to provide a duster which will be sanitary, and which can be constructed at a material reduction in cost and have greater wearing qualities.

Other objects of this invention will become apparent as it is more fully set forth.

This duster is built up from cloth members treated with oil or other dust retaining materials, which enable the same to absorb or retain the dust which is collected from the articles on which it is used. Each cloth member is suitably arranged for its work and reinforced with a flexible rib so that the device will retain its duster-shape and yet be sufficiently flexible to permit its parts to work themselves into out-of-the-way corners and thus satisfactorily accomplish the result desired in a device of this nature.

In the appended drawings an embodiment of this invention is disclosed.

Figure 1, is a side elevation of this invention with parts removed to show the manner in which the members are attached. Fig. 2, is a detail of one of the cloth members showing the reinforcing rib, and Fig. 3, is a diagrammatic view of the invention showing the relative positions the members assume when assembled.

Similar reference characters refer to similar parts throughout the drawings.

In the construction shown 1 represents the handle of a duster which has its lower

portion suitably formed, and its upper portion provided with a head 3 formed with a series of steps, 3^b and 3^c, which diverge in the manner shown in the drawings, in order to form suitable bases on which to mount the other parts of the duster. Fastened to the steps are members 4, 5 and 6, each of which comprises pieces of cloth suitably treated with oil or the like, to cause dust to be retained thereby.

The cloth is preferably doubled on itself, as shown in the drawings, and sewed together longitudinally along its central portion so as to securely attach them together and to retain a reinforcing rib 7 therein, which extends about three-fourths of the distance from the attaching end so that flaps 8 and 9 will be provided at the outer end.

The reinforcing ribs are made of feather-bone or similar stiffening material and formed in the arc of a circle so as to give the desired shape to the duster. Said ribs may be retained by the pocket formed by the stitching or may be sewed direct to the cloth members.

In forming the duster the more central members 6 bend inwardly, the members 5 are next attached and have an outward bend, both members being attached to the same step. The members 4 have an outward bend and are attached to the lower step. This arrangement, as shown in Fig. 3, gives the desired flare or spread to the duster. Suitable wiring 10 is used for fastening the members to the handle, though other means may be employed if desired, and a wrapper or leather 11, protects the ends and wiring of the members.

While it is not necessary to explain the uses and operation of the duster, it is desired to bring attention to the end flaps formed on the members as the former provide a greater wiping surface and assist in giving a wiping action to the duster. The portions of the members which are directly connected to the ribs extend downwardly from the same and form a series of flaps which provide additional expanse of surface for catching and retaining the dust, and at the same time said flaps are loose and flexible, and thus do not tend to brush the articles as severely as ordinary feather dusters do. In addition, this duster is enabled to use the "dustless" type of material in a more convenient manner than is ordinarily done.

Having thus described the invention, what is claimed is:

1. A duster comprising in combination, a handle, a plurality of cloth members on said handle, ribs for reinforcing the greater portion of said members, and means for fastening said handle and members together.

2. A duster comprising in combination, a relatively long handle having a head formed on one end, said head being arranged with a series of diverging steps, a plurality of doubled pieces of cloth secured to said steps and arranged so that their end portions will

extend away from said handle, flexible reinforcing ribs attached to said pieces and arranged to permit the sides and end portions of said members to loosely extend therefrom, said ribs being bent so as to extend said cloths into a plurality of directions, and means for securing said members to said handle.

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Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."