

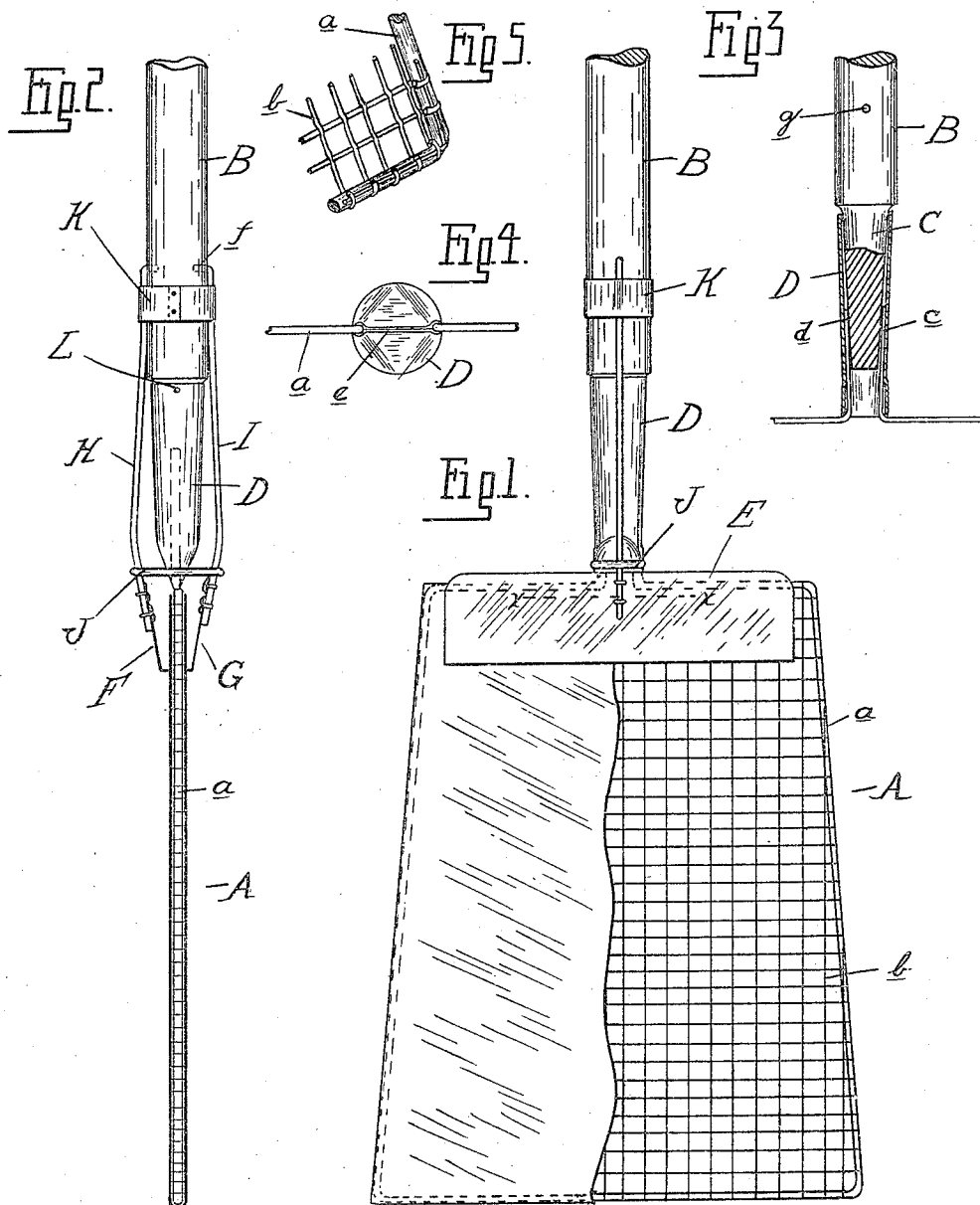
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DUSTER.

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942,507.

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UNITED STATES PATENT OFFICE.

ROSE S. MELCHERS, OF DETROIT, MICHIGAN.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ROSE S. MELCHERS, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Dusters, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates generally to dusters, and particularly to a device of this character that may be readily used in dusting walls, furniture, and the flooring beneath articles of furniture, extending in close proximity thereto and beneath the edges of rugs, and it consists in the novel and simple construction of the dusting device, and in the peculiar arrangement and combination of its parts as will be more fully hereinafter described.

In the drawings,—Figure 1 is a front elevation of my improved duster with the dusting cloth partially removed, showing the construction of the duster body; Fig. 2 is a side elevation, with the dusting cloth in section; Fig. 3 is a detail sectional view, showing the manner of attachment of the body to the handle; Fig. 4 is a section taken on line *x-x* of Fig. 1; and Fig. 5 is a sectional perspective view of a portion of the duster body.

In construction, the duster comprises a thin flat body section A, preferably substantially rectangular in configuration, and flexible—so as to permit its ready insertion beneath the article to be dusted under, as for instance a rug. It is composed preferably of an open-centered frame *a*, and a netting *b*—preferably of wire—covering the frame, the marginal edges of the wires being turned over upon the frame sides, as indicated in Fig. 5, for the purpose of holding the netting in place.

The frame is formed preferably from a single strand of wire, bent intermediate of its ends to form a rectangular body proper, and the end portions in parallelism one with the other and projecting at substantially right angles from one of the body ends, forming retaining arms *c d*.

B designates the handle for the duster, having its ends adjoining the body tapered, as at C. The tapered portion is adapted to be interposed between the arms *c d*, as indicated in Fig. 3, and an open-ended clamping sleeve D embraces the tapered end and arms

and serves to clamp the latter to the handle. For the purpose of further strengthening the construction, the lower end portion *e* of the sleeve is pinched or bent inwardly, as indicated in Fig. 4, so as to grip the retaining arms at that point.

A dusting cloth is adapted to be wrapped about the body, the cloth being preferably in the form of a bag that can be slipped over the body from the lower end upwardly, with a mouth adjoining the handle, and a clamp as E serves to hold the duster in place.

The clamp is preferably composed of a pair of clamping plates F and G, arranged upon opposite sides of the body and adapted to grip the cloth to the latter in proximity to the handle; a pair of spring arms H and I carried by the handle and secured to the clamping plates, and a link J retaining the plates in their clamped position.

The arms described are formed preferably of spring wire and terminate at their upper ends in offsets *f* which engage apertures *g* in the handle. A retaining band of metal, as K, holds the arms in place, and a tack or screw as L is used to retain the clamping sleeve to the tapered end of the handle.

From the foregoing description it will be seen that the duster body contains the requisite amount of flexibility desired, and that the dusting cloth may be readily applied and detached from the body. Furthermore, the device being of simple construction may be manufactured at minimum cost.

What I claim as my invention is,—

1. A duster, comprising a thin wide flat body, flexible in a direction transverse to its length, a socket member projecting in the plane of the body from one edge thereof, a handle engaging the socket, and a cloth clamp comprising elongated transverse clamping members arranged in alinement upon opposite sides of the body adjoining the socket member, and rearwardly-projecting supporting arms for the clamps rigidly attached to the handle.

2. A duster, comprising a thin wide flat body flexible in a direction transverse to its length, a handle socket projecting from said body and in substantially the plane thereof, a handle engaging said socket, a pair of cloth clamps arranged upon opposite sides of the body adjacent the junction of the latter and handle extending transversely of the body for substantially its entire width, a

pair of arms carrying the members terminating in offsets extending within apertures formed in the handle, a retaining band for securing the outer ends of the arms to the
5 handle, and a clamping link slidably engaging the arms serving to clamp the members to the body.

3. In a duster, the combination with a thin wide flat body section flexible in a direction transverse to its length, said body
10 section comprising a frame formed from a single strand of wire bent intermediate its ends into substantially rectangular configuration, having the end portions
15 thereof bent into parallelism centrally of one end of the body section and projecting

at substantially right angles thereto, and a covering therefor, of a handle having one end positioned between the projecting end portions of the frame, a clamping sleeve embracing the handle and arms for securing
20 the latter to the handle, and a pair of cloth clamps extending transversely of the body in proximity to the junction of the latter and handle.
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In testimony whereof I affix my signature in presence of two witnesses.

ROSE S. MELCHERS.

Witnesses:

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