

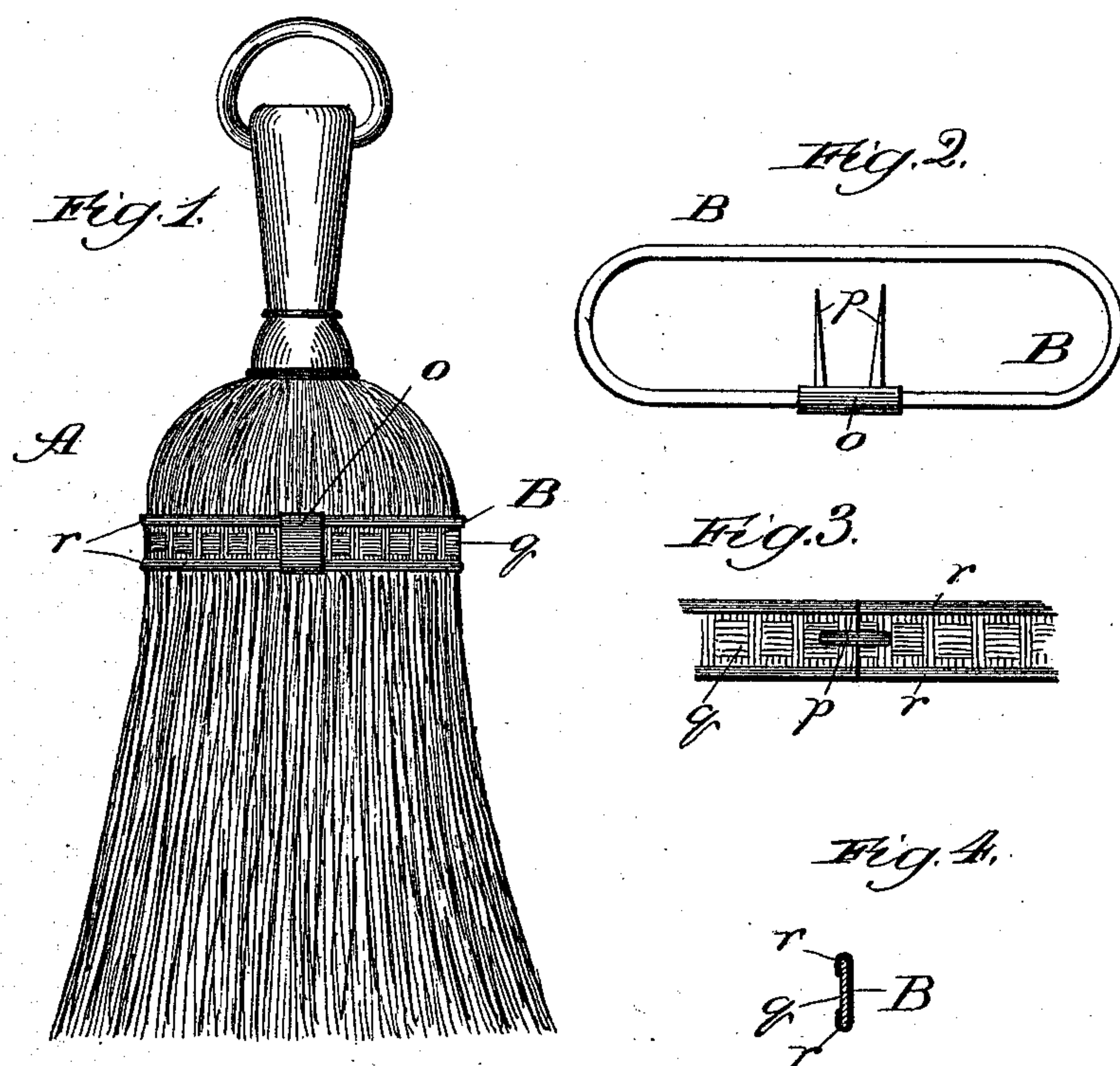
(No Model.)

A. H. GRUNEWALD.

BRUSH.

No. 412,384.

Patented Oct. 8, 1889.



Witnesses:
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UNITED STATES PATENT OFFICE.

AUGUSTUS H. GRUNEWALD, OF CHICAGO, ILLINOIS.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 412,384, dated October 8, 1889.

Application filed January 24, 1889. Serial No. 297,395. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTUS H. GRUNEWALD, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Brushes, of which the following is a specification.

My invention relates to an improvement in the class of brushes known as "whisk-brushes," being the kind employed most commonly for dusting wearing-apparel, and formed of broom-corn bunched and flattened and provided with a short handle by which to hold the device in the hand.

The object of my invention is to improve that class of whisk-brooms in which means other than sewing are employed for maintaining the flat shape of the broom, and which shall at the same time afford a highly ornamental finish to the brush and render it the more attractive and salable.

To this end my invention consists in the general construction of my improvement; and it also consists in details of construction and combinations of parts, as hereinafter described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view in elevation of a whisk-brush provided with my improvement; Fig. 2, an enlarged edge view of the band in the form it assumes when applied to the brush; Fig. 3, an enlarged broken plan view of the band with the clamp removed, and Fig. 4 a cross-sectional view of the band.

A is a brush of the whisk-brush variety. The flat shape of the brush is maintained by a band B, involving a construction and secured in place as hereinafter described, and which preferably affords a substitute for the common twine or wire sewed fastening, though it may be applied to a sewed brush, when its function would be more ornamental

than structural, though even then it would tend to stiffen and strengthen the article. The band B comprises a flat strip of sheet metal, preferably tin *r*, having a narrow strip of a textile fabric, such as gimp *q*, imposed upon it and secured thereon by bending over its edges the lateral edges of the metal strip *r*. The band thus formed is stiff and strong, and is applied to the brush by bending it around the part of the latter where the stitching is ordinarily done and pressing it against the surface of the brush. The ends of the band are caused to meet each other, and are secured together by passing through them a staple *p*, the prongs of which should be sufficiently long to extend transversely nearly through the brush, and thereby firmly secure the band in place. The staple may be covered by a clamp *o*, comprising a strip of sheet metal bent transversely around the ends of the band B, as shown.

The band B affords readily-applied, cheap, durable, strong, and effective means for maintaining the flat shape of the brush and stiffening it, and besides, owing particularly to the contrast presented by the gimp and the metal edges with which it is provided, renders the brush highly attractive and, accordingly, the more salable.

What I claim as new, and desire to secure by Letters Patent, is—

The combination, with a whisk-brush A, of a band B, extending around the brush, and a staple *p*, passed into the broom through the adjacent ends of the band and securing the said ends together, and a retaining medium for the staple, substantially as and for the purposes set forth.

AUGUSTUS H. GRUNEWALD.

In presence of—

M. J. BOWERS,

J. W. DYRENFORTH.