

Jan. 31, 1928.

H. HERTZBERG

1,657,752

FUR BRUSH

Filed Jan. 21, 1927

Fig. 2

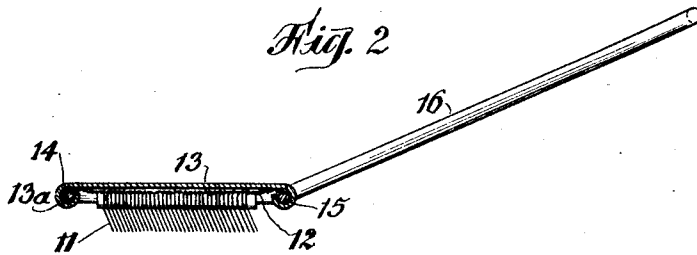


Fig. 1

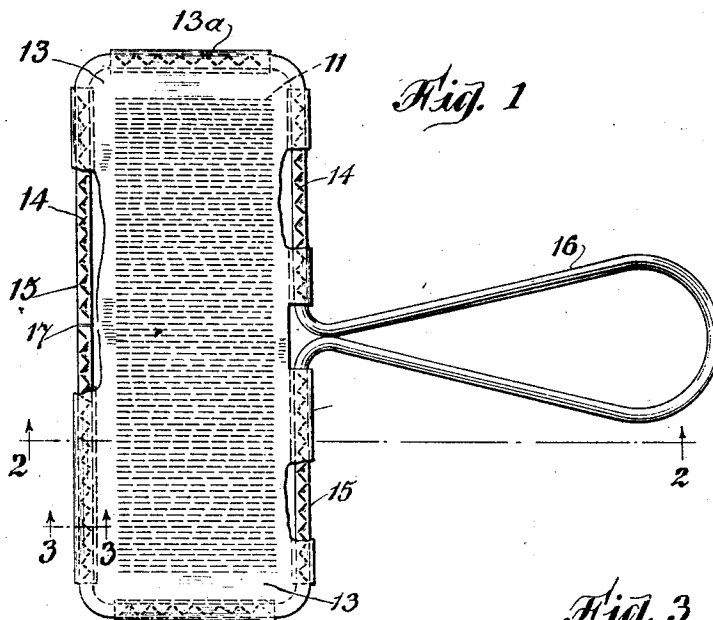


Fig. 3

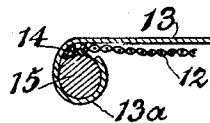
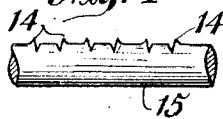


Fig. 4



Inventor

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By his Attorney

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FUR BRUSH.

Application filed January 21, 1927. Serial No. 162,509.

This invention relates to brushes of the wire type, which are particularly suited for brushing and cleaning fur, wool, lint, plush, velvet, animal hair and similar materials.

5 It is the object of my invention to provide an efficient and rigid brush of this kind which is mounted entirely on a metallic frame, which is light in weight and extremely simple in construction.

10 These and other objects are accomplished by a novel combination resulting in a reduction in the number of parts usually present in such brushes. It is possible thereby to manufacture this article at greatly reduced price so that a clogged or worn brush and frame may be discarded without resorting to a restoring of a new brush in an old frame.

20 The invention is illustrated in the accompanying drawings which form a material part of this disclosure and in which:

Fig. 1 is a plan view of my brush seen from its back; parts are broken out to show the construction of the frame.

25 Fig. 2 is a sectional elevation on line 2—2 of Fig. 1.

Fig. 3 is an enlarged detail section on line 3—3 of Fig. 1.

30 Fig. 4 is a detail elevation of a portion of the frame-forming wire rod 15.

The fur brush consists of a piece of carding brush comprising the points 11 of bent wire forming metallic bristles which are set into a foundation 12 usually made of rubberized fabric, leather or similar suitable material. This foundation 12 is preferably of rectangular shape having two long and two short sides; it provides a margin around the space occupied by the points therein. Foundation 12 rests against a backing plate 13 made of sheet metal, when assembled this backing plate has also a rectangular shape rounded at its corners. It is originally of larger size than foundation 12 forming a margin around the same. A wire rod is bent into a rectangular frame 15 having the shape of, and coinciding with the outline of the foundation 12, it lies against the front face of the same. In the center of one of the longer sides of the brush, a handle 16 is formed by bending

the wire rod into a loop as shown. This handle 16 forms an angle with the plane of the backing plate 13. Those portions of the wire rod which form the frame 15 are provided with teeth 14 (see Fig. 4) similar to the teeth of a file and formed by cutting into the wire. These teeth 14 lie against the face of the foundation 12.

The margin 13^a of backing plate 13 is rolled tightly around those parts of the wire rod which form frame 15 so that teeth 14 are pressed into the material of the foundation 12, except at the corners of the brush and where the handle 16 passes through the backing plate.

Fig. 3 illustrates how foundation 12 is rolled in between frame 15 and backing plate 13 and how the teeth 14 are pressed into it. It will be seen that the brush resulting from this construction is a very rigid, simple and light one. The wire rod serves to stiffen and reinforce the backing plate by forming the frame 15. It provides the handle on the brush which by its angular relation to the same removes the hand well above the brushed surface. And the teeth 14 hold the foundation securely on all sides and substantially flat on the backing plate. The frame 15 is held in shape by the rolled edges 13^a of backing plate 13 so that it is unnecessary to join the ends of the wire to each other at point 17. The rolling of the foundation with backing plate 13 partly around the wire stretches the foundation and assists in holding it in its place.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

In a device of the kind described the combination of a backing having metallic bristles set therein, a wire frame at the periphery of said backing and a backing plate embracing said wire frame, there being teeth on said frame engaging said backing to hold it against creeping.

In testimony whereof, I have signed my name to this specification, this 18th day of January, 1927.

HARRY HERTZBERG.