

(No Model.)

R. W. HARDIE.
CURRYCOMB.

No. 527,973.

Patented Oct. 23, 1894.

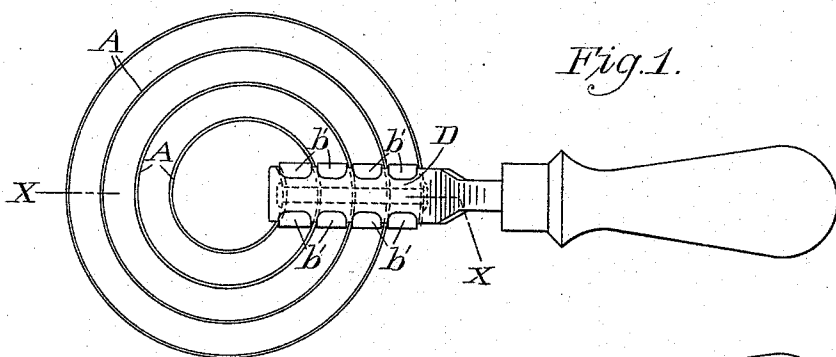


Fig. 1.

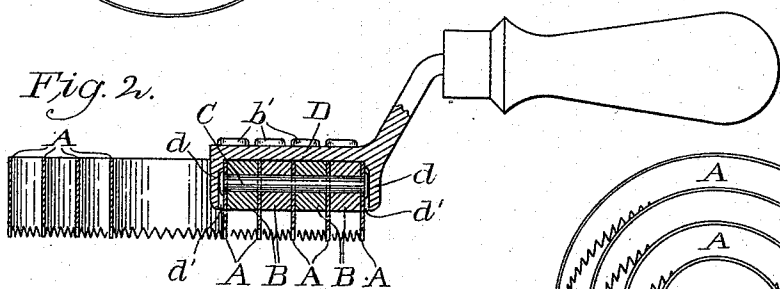


Fig. 2.

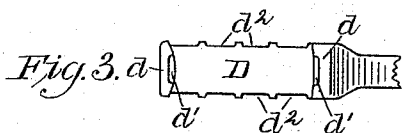


Fig. 3.

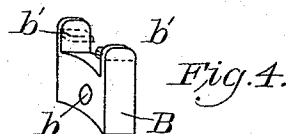


Fig. 4.

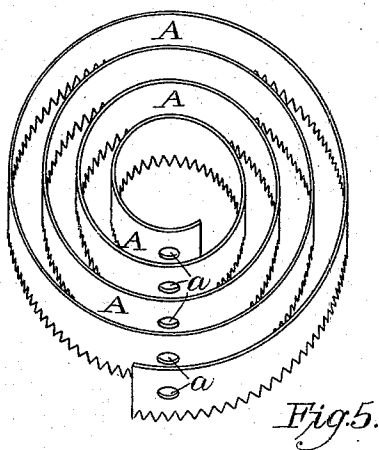


Fig. 5.

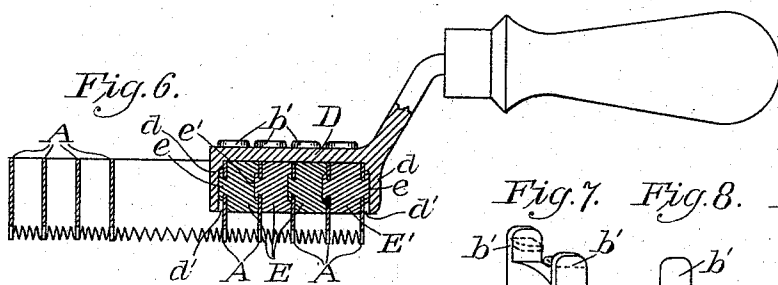


Fig. 6.

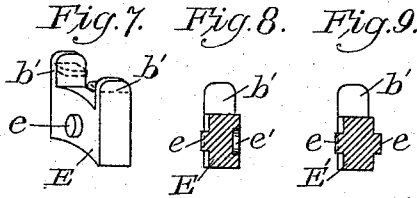


Fig. 7. Fig. 8. Fig. 9.

Witnesses:
John W. Fisher.
Walter Melius.

Inventor,
Robert W. Hardie.

UNITED STATES PATENT OFFICE.

ROBERT W. HARDIE, OF ALBANY, NEW YORK.

CURRYCOMB.

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To all whom it may concern:

Be it known that I, ROBERT W. HARDIE, a citizen of the United States, residing at Albany, in the county of Albany and State of New York, have invented certain new and useful Improvements in Currycombs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to currycombs having a convoluted scraping blade serrated on its edge, and has for its object to provide suitable means for holding the convolutions of said scraping blade in proper position, and for securing them to a handle. This I accomplish by the means illustrated in the accompanying drawings, in which—

Figure 1. is a plan view of a currycomb embodying my invention. Fig. 2. is a vertical cross section taken on line X—X of Fig. 1. Fig. 3. is a plan view of the under side of the shank of the handle. Fig. 4. is a perspective view of a separating block. Fig. 5. is a perspective view of a convoluted scraping blade serrated on one edge. Fig. 6. is a vertical cross-section of a modification of my device. Fig. 7. is a perspective view of a modification of separating block. Fig. 8. is a vertical cross section of separating block shown in Fig. 7; and Fig. 9. is a vertical cross section of a separating block showing a further modification.

As illustrated in the drawings, A represents the convolutions of a serrated scraping blade constructed of a single strip of metal provided with perforations, *a*, arranged in line with each other, as shown in Fig. 5.

B represents separating blocks, arranged between the convolutions A, and provided with perforations, *b*, and with retaining lips, *b'*, which are first formed in a vertical position, as shown in Fig. 4. These blocks B support the convolutions and hold them at the desired distance apart. The convolutions A may be attached to the separating blocks by means of a rivet C, which passes through the perforations, *b*, of the separating blocks, and *a*, of the scraping blade. This rivet, C, is upset or headed at both ends so as to prevent the convolutions A of the blade and blocks

B, from separating, and also to prevent lateral movement of the scraping blade as hereinafter described.

The separating blocks, B, are attached to the shank D, of a handle by bending the lips *b'* of the separating blocks over so as to overlap said shank of the handle. By forming the separating blocks separately from the handle, the blocks B and convolutions A may be pressed firmly together before the blocks are attached to the handle shank, thereby permitting a proper adjustment and arrangement of said parts. The shank D of the handle is provided with pendent lugs *d*, arranged on the outside of the inner and outer convolutions A, respectively, and said lugs, *d*, are provided with vertical recesses *d'*, adapted to engage the heads, or upset ends of the rivet, C, and thereby prevent any lateral movement of the scraping blade, relatively to the handle. These, lugs, *d*, are adapted to bear against the outside of the inner and outer convolutions A, and thereby sustain any strain that may be exerted on said convolutions, and relieve the lips, *b'*, of the separating blocks from such strain. The shank D. may, if desired, be provided with sockets or indentations, *d²*, adapted to hold the lips *b'* in place.

I do not desire to be limited to the specific construction described for attaching the convolutions of the scraping blade to the separating blocks. Other means, having similar capabilities, may be used without departing from my invention.

In some instances I prefer to dispense with the rivet C, and use separating blocks similar to those illustrated by E, and E' in Figs. 7, 8 and 9, attached directly to the scraping blade independently of each other. In said constructions the separating blocks interlock with the convolutions A, by means of projections, *e*, formed on one side of said blocks. These projections, *e*, when inserted in the perforations, *a*, of the scraping blade are preferably upset on their ends to form rivet heads, which secure the convolutions of the blade to the separating blocks, and are adapted to engage depressions *e'*, formed on the side of the adjacent separating blocks. The rivet heads which extend from the end blocks of the series engage the grooves *d'* formed in the pend-

ent lugs, *d*, of the handle shank. One of the separating blocks is provided with a projection *e* on each side, as shown in the block E'.

5 The interlocking of separating blocks directly with the scraping blade of a currycomb is a special feature of my invention and I desire to include such constructions broadly.

10 In some instances I propose to dispense with the overlapping lips which secure the separating blocks to the shank of the handle and substitute other means therefor.

What I claim is—

15 1. In a currycomb, the combination with a serrated convoluted scraping blade, of a handle, and separating blocks supporting the convolutions of said blade, and provided with retaining lips adapted to overlap the shank of said handle, substantially as shown and described.

20 2. In a curry comb, the combination with a

serrated convoluted scraping blade, of a series of separating blocks, and a handle having its shank provided with pendent lugs having vertical recesses adapted to engage rivet heads which secure the ends of the blade to the end blocks of the series, substantially as shown and described. 25

3. In a currycomb, the combination with a serrated convoluted scraping blade, of separating blocks provided with projections adapted to engage corresponding openings formed in the convolutions of said blade, and a handle secured to said separating blocks, substantially as shown and described. 30

In testimony whereof I affix my signature in presence of two witnesses. 35

ROBERT W. HARDIE.

Witnesses:

CHAS. H. MILLS,

WALTER MELIUS.