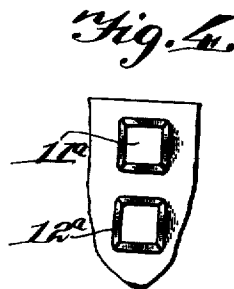
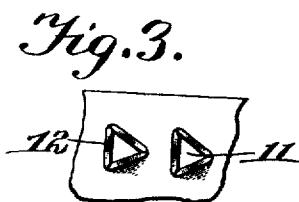
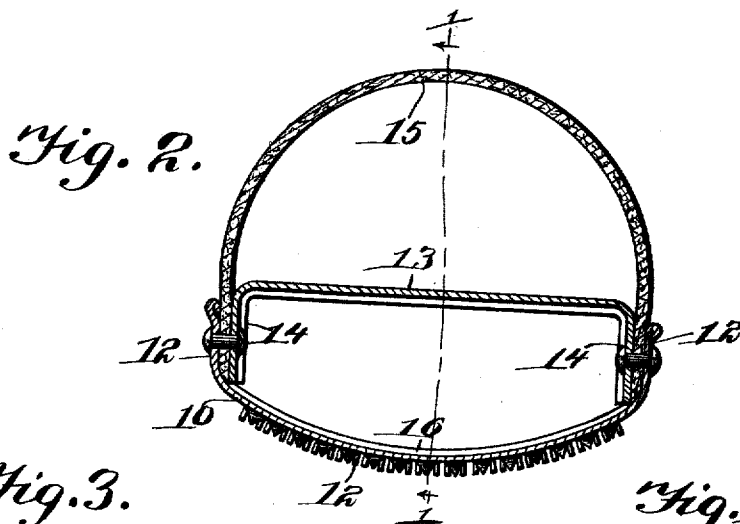
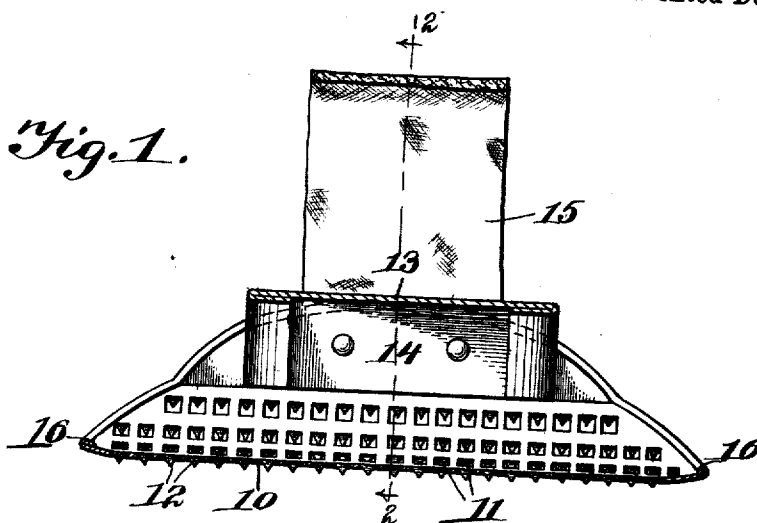


L. R. WITHERELL.
CURBYCOMB.
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1,012,117.

Patented Dec. 19, 1911.



Witnesses
William C. Linton,
Charles S. Nelson

Inventor
Loren R. Witherell.
By *Ym C. W. Intine*
Attorney

UNITED STATES PATENT OFFICE.

LOREN R. WITHERELL, OF KNOXVILLE, ILLINOIS, ASSIGNOR OF ONE-HALF TO JOHN W. ANDERSON, OF KNOXVILLE, ILLINOIS.

CURRYCOMB.

1,012,117.

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To all whom it may concern:

Be it known that I, LOREN R. WITHERELL, a citizen of the United States, residing at Knoxville, in the county of Knox and State of Illinois, 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.

This invention relates to curry combs and it is designed to construct a device of this nature from sheet metal in such a manner that during the use thereof, the dirt on the animal's body is removed.

Heretofore, in the construction of curry combs, it has been the custom to construct the same with a solid back, in such a manner that the dirt removed from one part of the animal's body settles on another part, consequently causing the cleaning operation thereof to be indefinite and in no way thorough.

It is the object of the present invention to eliminate this, so that the dirt when removed, will circulate in the atmosphere, or be retained in the body of the brush, but will not return to another locality of the animal's body.

With the above and other objects in view, this invention consists of the construction, combination and arrangement of parts, all as hereinafter more fully described, explained and illustrated in the accompanying drawings, wherein:—

Figure 1 is a longitudinal section taken along line 1—1 of Fig. 2. Fig. 2 is a transverse section taken along line 2—2 of Fig. 1. Figs. 3 and 4 are modifications of the perforations in the combing plate.

The curry comb forming the subject matter of the present invention, comprises a plate of sheet metal, having a series of openings punched therein, so that the flanges formed by said opening extend in a common direction. The two oppositely disposed edges of said plate are bent upwardly, while the main body portion thereof is convex, said curving extending through the upwardly bent portion. The forward and rear terminals of the body portion are curved, and have a slight flange formed thereabout, to prevent loose dirt from returning to the animal's body. A U-shaped plate is attached

to the flanges or projections of the body portion of the comb, and has interposed between said projections and the arms of said plate an elastic or other suitable retaining web.

Reference now being had more particularly to the drawing, 10 indicates a plate having a series of perforations 11 therein, the flanges 12, formed by said perforations extending downwardly on the under surface of the plate 10. It will be noted that the openings may be made with any shape punch as for example 11^a and 12^b, so that the number of flanges may be increased or decreased as desired, but it has been found by experiment, that the flanges formed by a triangular punch, produce the best results. A perforation formed by a punch of this nature has three flanges surrounding the same, which are of sufficient size to insure the positive removal of the dirt.

On each longitudinal side of plate 10 is a projection or stud 12, to which is secured a grip plate 13. This grip plate comprises a sheet of rectangular metal having the terminals thereof bent downwardly and the right angles to the body thereof, forming the arms 14. In order to secure a hand band or retain a member to the body of the comb, the arms 14 rest on the interior of the projections 12 and engage the terminals of the web 15, which are interposed between said projections and said arms.

It will be noticed that the plate 10 is curved outwardly from the grip plate 13, in such a manner that in the use of the comb, any part or locality of the animal's body may be thoroughly operated thereon; while the transverse ends of the plate 10 are curved outwardly, and have a small flange 16, extending upwardly therefrom. This construction greatly facilitates the cleaning of the animal and eliminates the scraping of the animal's skin, and pulling of hair, therefrom, which has been found to be objectionable features to the old style curry comb.

Having thus fully described my invention, what I claim is new and desire to secure by U. S. Letters Patent is:

1. In a curry comb, the combination with a comb plate, of vertical flanges formed on each side of said comb plate, a grip plate interposed between said vertical flanges, dependent arms formed at the terminals of said grip plate, a flexible web superposed

above said grip plate, having its terminals disposed between said vertical flanges and dependent arms, and securing means piercing the vertical flanges, dependent arms, and web aforesaid.

2. In a curry comb, the combination with a concavo-convex comb plate, of flanges extending completely around said plate, enlarged vertical flanges formed on the longitudinal sides of the comb plate, a grip plate interposed between said flanges, dependent arms formed at the terminals of said grip plate and resting parallel with said enlarged

flanges, a flexible web superposed above said grip plate, having its terminals interposed between said dependent arms and said enlarged flanges, and rivets passing through said enlarged flanges, web and dependent arms.

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

LOREN R. WITHERELL.

Witnesses:

A. N. WYMAN,

W. W. McBRIDE.

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