

No. 758,953.

PATENTED MAY 3, 1904.

W. S. BECHTOLD.  
HAIR RETAINER.

APPLICATION FILED MAY 8, 1903.

NO MODEL.

Fig. 1.

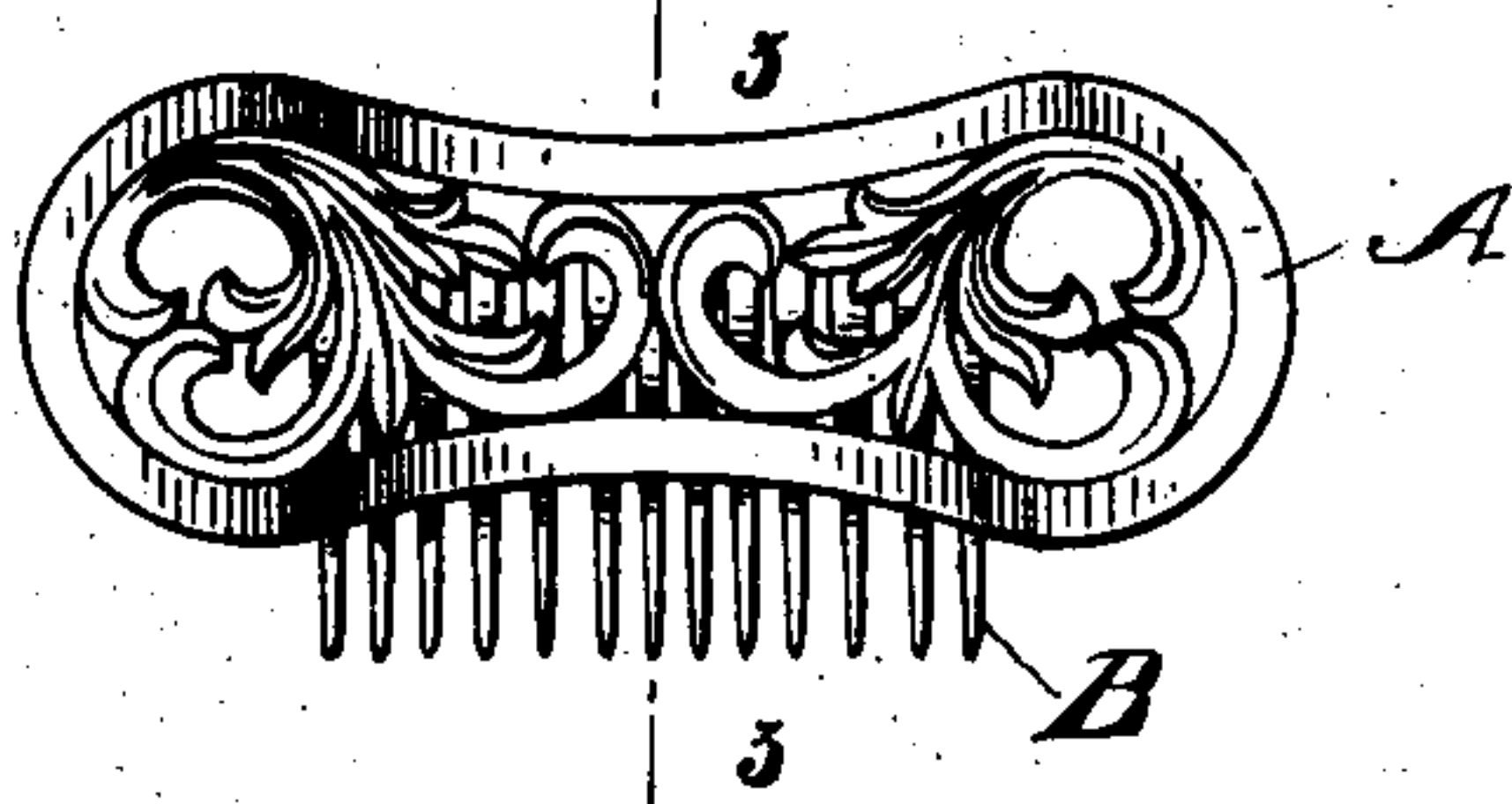


Fig. 2.

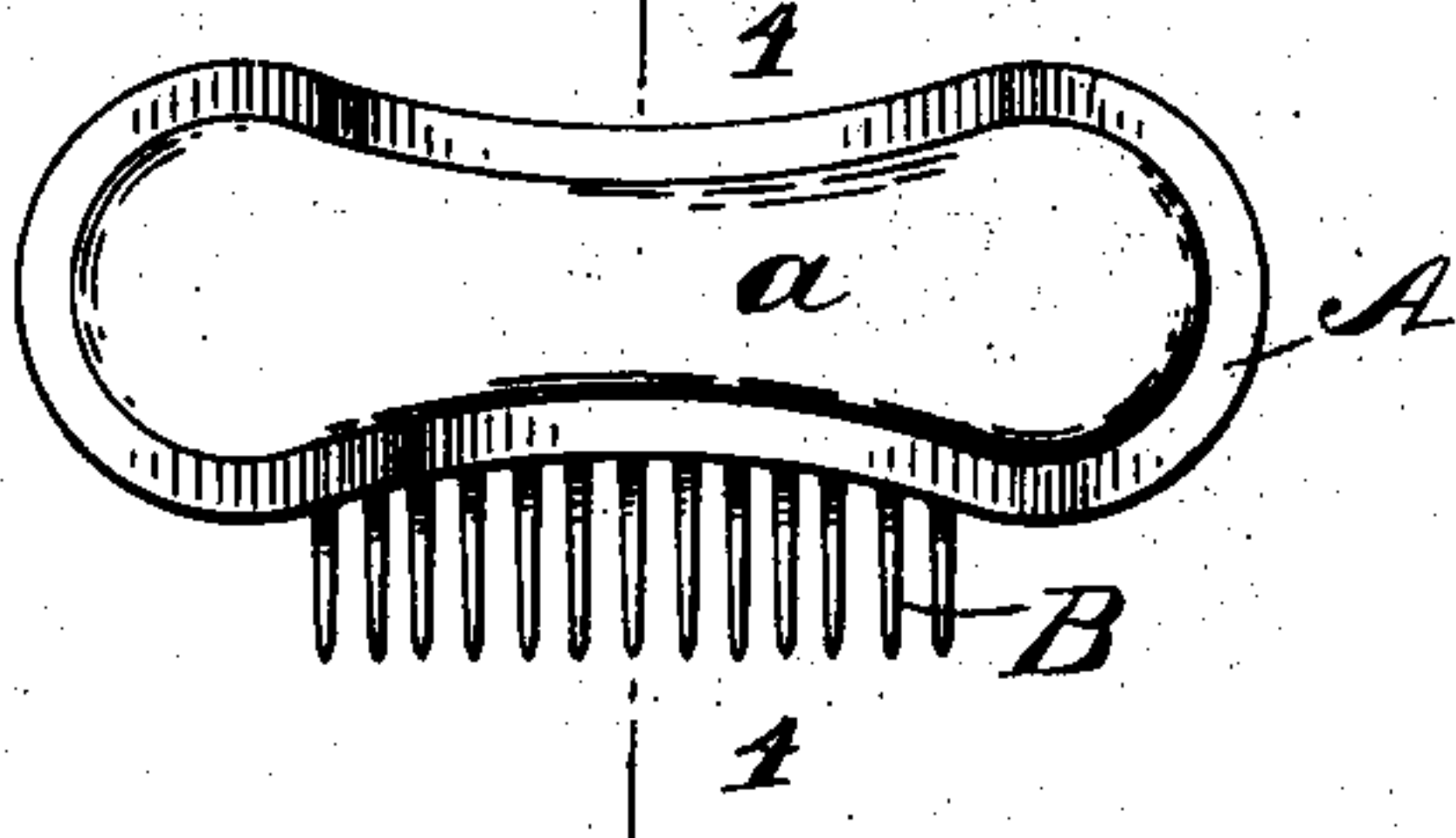


Fig. 3.

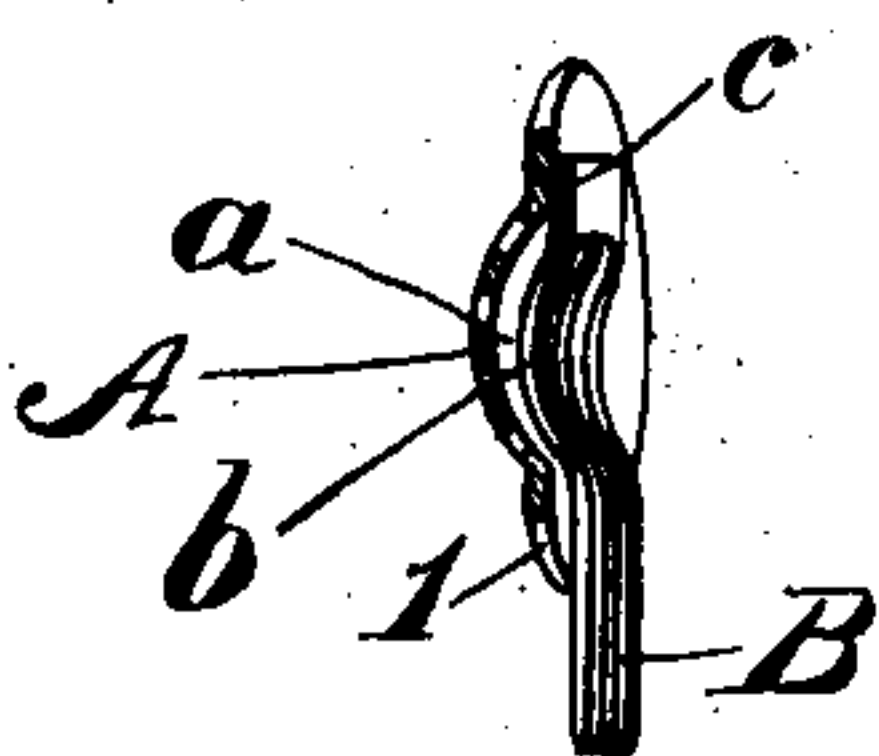


Fig. 4.

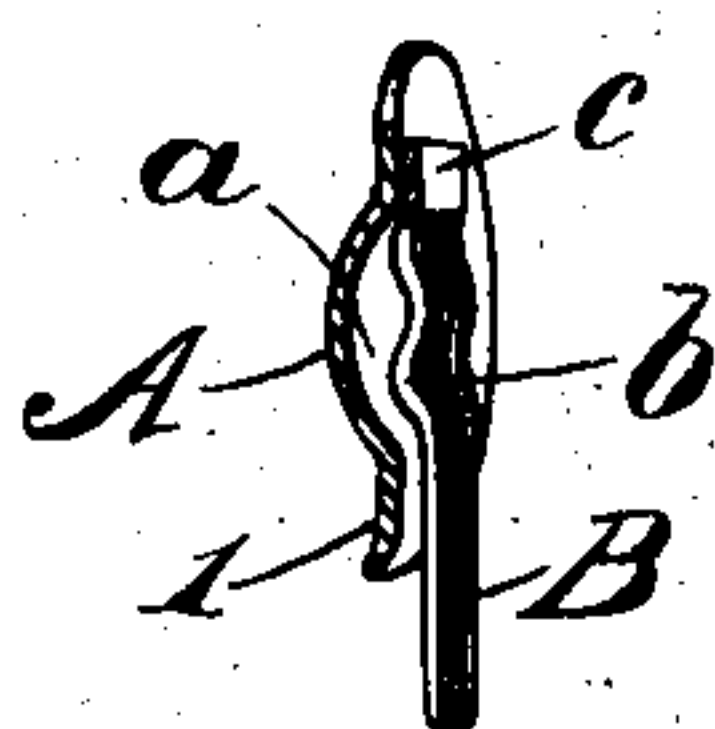
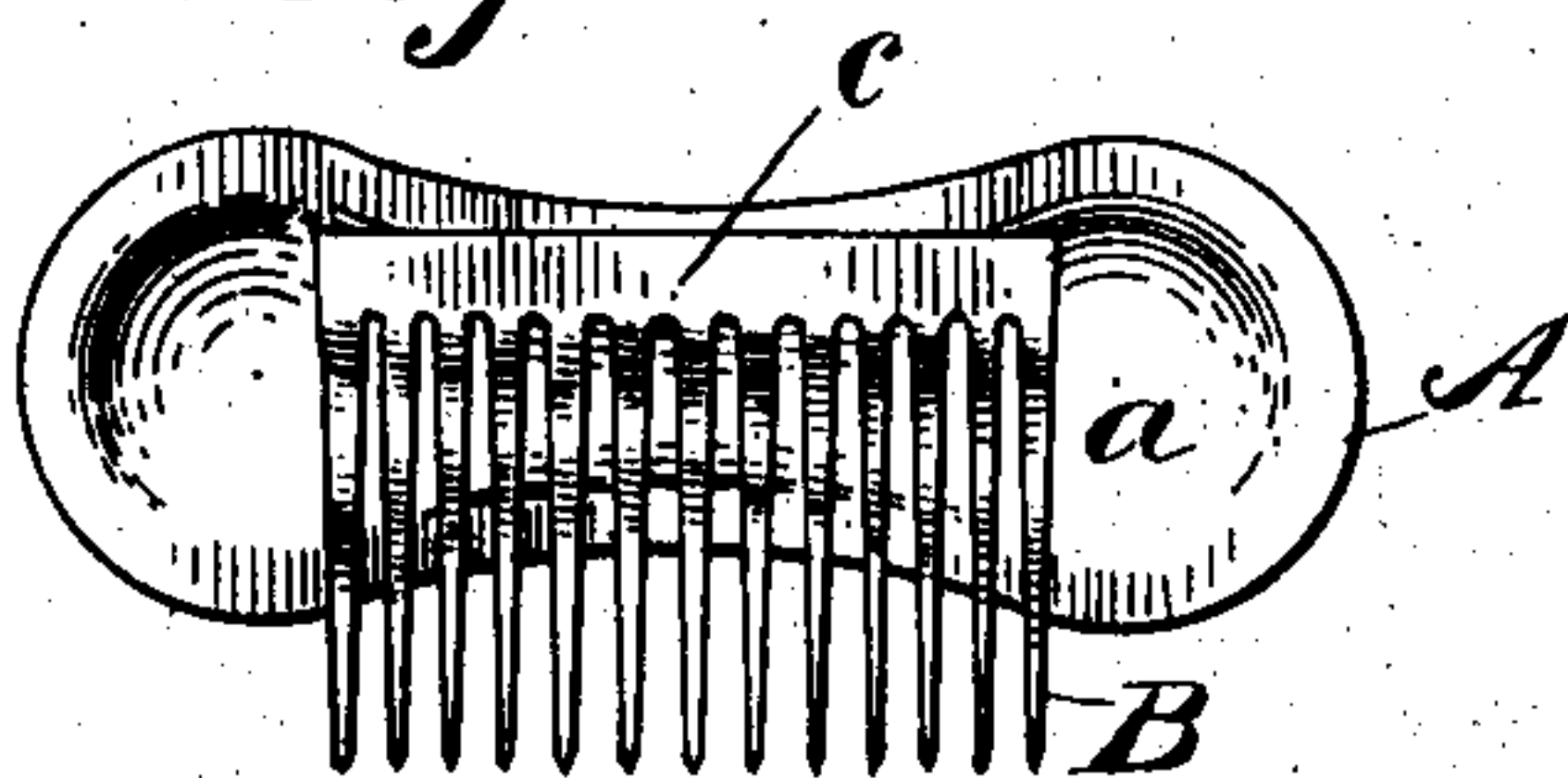


Fig. 5.



WITNESSES:

*S. J. S. S. S.*  
*Rena H. Yudizky*

INVENTOR:

*William S. Bechtold*

BY

*Robert du Puy*  
ATTORNEY.

## UNITED STATES PATENT OFFICE.

WILLIAM S. BECHTOLD, OF NEWARK, NEW JERSEY.

## HAIR-RETAINER.

SPECIFICATION forming part of Letters Patent No. 758,953, dated May 3, 1904.

Application filed May 8, 1903. Serial No. 156,273. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM S. BECHTOLD, a citizen of the United States of America, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Hair-Retainers, of which the following is a specification.

My invention has reference to improvements in hair-retainers adapted for holding the hair in place, generally termed "side combs" or "back combs," according to the purpose for which they are adapted, and has for its object to provide a retainer which will effectively hold the hair, while at the same time the retainer itself is so locked into the hair as to prevent it from dropping out under ordinary circumstances.

To this end my invention consists, essentially, in a hair-retainer comprising a back curved transversely to its longitudinal axis to form a longitudinal cavity and teeth attached to said back and having curved portions intermediate of their ends entering the cavity in the back and coming in close proximity to the wall of the cavity.

The nature of my invention will best be understood when described in connection with the accompanying drawings, in which—

Figure 1 represents a rear view of a retainer embodying my invention and showing an ornamental back. Fig. 2 is a similar view showing a plain back. Fig. 3 is a vertical section on the line 3 3, Fig. 1. Fig. 4 is a similar section on the line 4 4, Fig. 2. Fig. 5 is a front view of the retainer shown in Fig. 2.

Similar letters and numerals of reference designate corresponding parts throughout the several views of the drawings.

Referring now to the drawings, the letter A designates the back, and B the teeth, of a hair-retainer adapted for use as a side or back comb. In Figs. 1 and 3 I have shown the back of the retainer of ornamental design and having openings therein, while in Figs. 2, 4, and 5 the back is shown solid and plain. The number and extent of the openings may be varied, but not to such an extent as to materially affect the effectiveness of the retainer.

The back A of the retainer is curved trans-

versely to its longitudinal axis to form a cavity or trough *a*, extending in the longitudinal direction of the said back, and consequently presents a substantially solid curved face to the several teeth B, which latter are provided intermediate of their points and the head *c* with curved portions *b*. The head *c* is secured to the back A in any suitable manner, with the teeth B extending substantially contiguous with the same, and the curved portions *b* of the teeth enter the cavity or trough *a* and closely approach or touch the bottom of the same, the closeness of approach and the curvature of the teeth determining the firmness with which the retainer is held when applied. The radius of curvature of the teeth may be the same as that of the back, or it may differ therefrom. The teeth may also have a double curvature or present a series of curvatures or an undulating surface to the back within the cavity or trough, or the back may be curved in a similar manner, or both back and teeth may be so curved.

When the retainer is applied to the hair, the latter is firmly pressed against the back, the teeth and back coöperating to hold the hair in place, and therefore the perforations should not be of such size or extent as to materially reduce the holding action, particularly at the point of tangency of back and teeth.

In practice I prefer to flare outwardly the side 1 of the back of the retainer adjacent to the points of the teeth, as best seen in Fig. 4, for the purpose of permitting the retainer to be applied without entangling or pulling the hair and also have the points or ends of the teeth extending beyond the said edge for facilitating the application of the retainer.

What I claim as new is—

1. A hair-retainer comprising a substantially solid back curved transversely to its longitudinal axis to form a longitudinal cavity, and teeth attached to said back and having curved portions intermediate of their ends entering the cavity in the back and coming in close proximity to the wall of the cavity for the purpose of wedging the hair between the curved portions of the teeth and the back, substantially as described.



2. A hair-retainer comprising a substantially solid back curved transversely to its longitudinal axis to form a longitudinal cavity, and teeth attached to said back and having curved portions intermediate of their ends entering the cavity in the back and coming in close proximity to the wall of the cavity for the purpose of wedging the hair between the curved portions of the teeth and the back, and the ends of the teeth projecting beyond said back, substantially as described.

3. A hair-retainer comprising a substantially solid back curved transversely to its longitudinal axis to form a longitudinal cavity and teeth attached to said back and having curved portions intermediate of their ends entering the cavity in the back and coming in close proximity to the wall of the cavity for the purpose of wedging the hair between the curved portions of the teeth and the back, and said curved portions of the teeth differing in

curvature from the curvature of the back, substantially as described.

4. A hair-retainer comprising a substantially solid back curved transversely to its longitudinal axis to form a longitudinal cavity, and having an outwardly-flared longitudinal edge and teeth attached to said back and having curved portions intermediate of their ends entering the cavity in the back and coming in close proximity to the wall of the cavity for the purpose of wedging the hair between the curved portions of the teeth and the back, and the ends of the teeth projecting beyond said back substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

WILLIAM S. BECHTOLD.

Witnesses:

RAENA H. GUDIZKY,  
A. FABER DU FAUR, Jr.