

(No Model.)

P. H. DRAKE.
Comb.

No. 241,126.

Patented May 10, 1881.

FIG. 1.

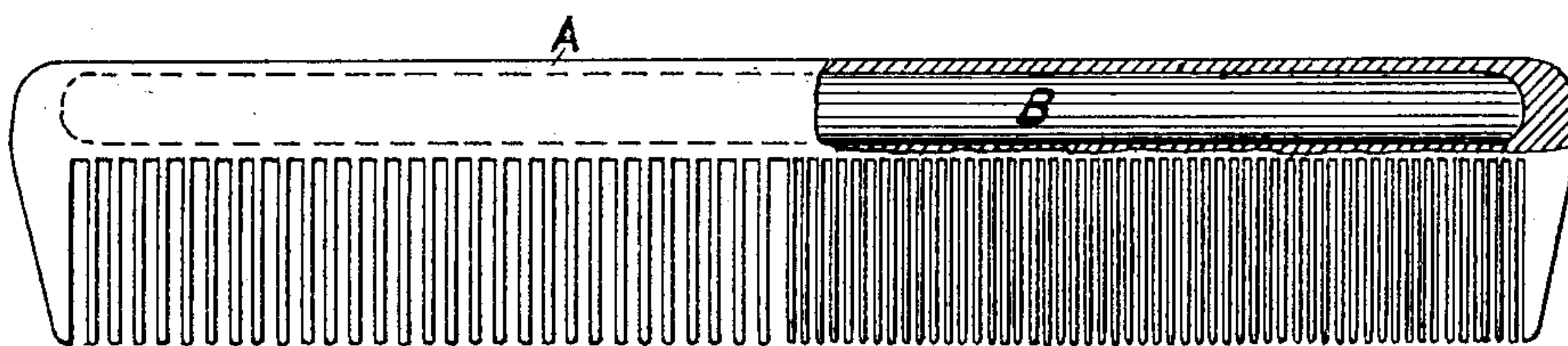


FIG. 2.



WITNESSES.

William I. Ward
George F. Ross

INVENTOR.

Patrick H. Drake

UNITED STATES PATENT OFFICE.

PATRICK H. DRAKE, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO WILLIAM P. WARD, OF SAME PLACE.

COMB.

SPECIFICATION forming part of Letters Patent No. 241,126, dated May 10, 1881.

Application filed March 25, 1881. (No model.)

To all whom it may concern:

Be it known that I, PATRICK H. DRAKE, of the city of New York, in the county of New York and State of New York, have invented a new and useful Improvement in Combs, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a sectional side view of a comb with my improvement, and Fig. 2 is a sectional end view of the same.

My device consists in the combination of a comb with a permanent magnet, whereby is added to the friction of the said comb upon the scalp any physiological effect that may be derivable from the inductive action of the said magnet.

In the drawings, A represents a comb made of hard vulcanized caoutchouc, known also by the names "hard rubber" and "ebonite."

B represents the magnet, which is inclosed in the back or body of the comb. This magnet is a piece of steel, made exceedingly hard by having been plunged into water or oil while red hot. It is afterward rendered magnetic by placing it in contact with the poles of a magnet or by inserting it in a helix or coil of wire properly constructed and circulating a current of voltaic electricity. When a voltaic current is used for the stated purpose the magnetization may be deferred until the said piece of hardened steel shall have been combined with the comb, when the completed comb may be placed within the said helix or coil.

At the time of forming the comb from prepared plastic caoutchouc the piece of hardened steel, before or after its magnetization, is placed in position by embedding it in the said material, which, when solidified by subsequent steps in the process of vulcanization, holds the said

piece of steel firmly in place, the back or body of the comb being also strengthened and stiffened by the piece of steel.

The comb may be made of some other suitable material in lieu of the said caoutchouc—for example, common horn or the so-called "celluloid"—and the said piece of hardened steel or magnet may be placed in a chamber or recess formed in such a comb by cutting or pressing; or the said piece of steel may be attached to the outside of the comb by means of screws or rivets. In such case also it may serve to strengthen and stiffen the body or back of the comb.

I am aware that it has been proposed to construct a comb the teeth of which should be made of silver and zinc, or any other two appropriate dissimilar metals, arranged alternately and so as to form a voltaic system or battery. Therefore I do not intend to make any claim to the same.

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

1. The comb A, formed of any suitable material, in combination with the permanent magnet B, substantially as shown and described.

2. The combination, with a comb, of a magnet inclosed in the body of the comb, substantially as described.

3. The combination, with a comb, of a magnet extending parallel with the body of the comb, substantially as described.

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

PATRICK H. DRAKE. [L. S.]

Witnesses:

WILLIAM P. WARD,
GEORGE F. ROSS.