

(No Model.)

G. F. ELLS.
HAIR BRUSH.

No. 260,857.

Patented July 11, 1882.

Fig. 1.

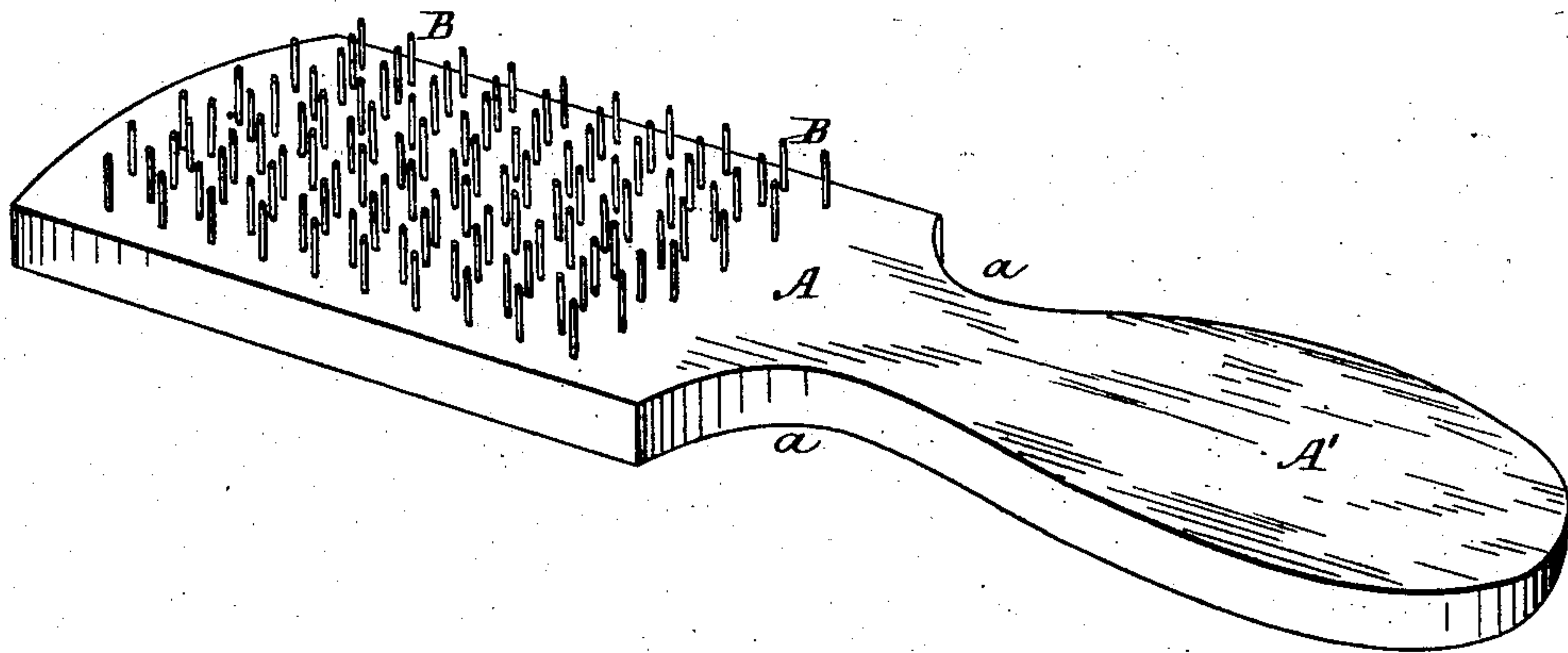


Fig. 2.

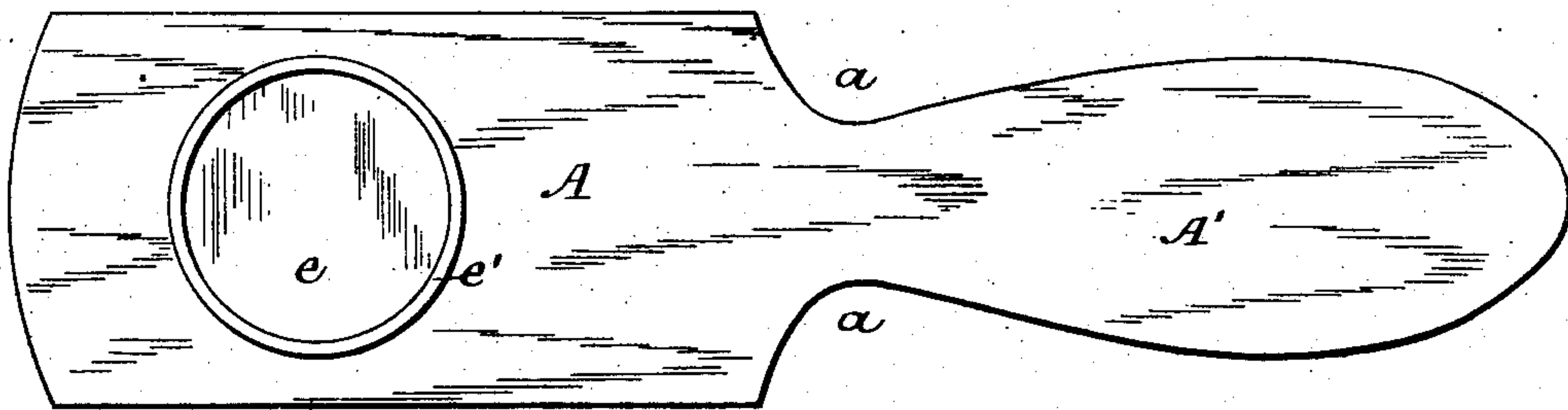
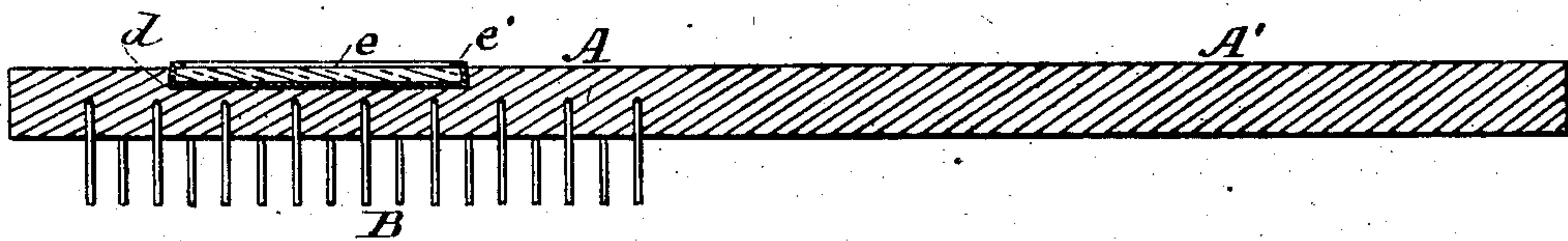


Fig. 3.



Witnesses:
W. B. Masson
O. B. Shepherd.

Inventor:
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att'y.

UNITED STATES PATENT OFFICE.

GEORGE F. ELLS, OF DEPOSIT, NEW YORK.

HAIR-BRUSH.

SPECIFICATION forming part of Letters Patent No. 260,857, dated July 11, 1882.

Application filed January 18, 1882. (No model.)

To all whom it may concern:

Be it known that I, GEORGE F. ELLS, a citizen of the United States, residing at Deposit, in the county of Broome and State of New York, have invented certain new and useful Improvements in Hand-Brushes, of which the following is a specification.

My invention relates to improvements in hand-brushes or hand-cards adapted to combing or brushing the curly hair on the heads of negroes; and the object of my improvements is to provide the said wooden brush-back having pins driven therein with a circular recess in the top thereof and a circular looking-glass inclosed in a metallic casing adapted to enter the recess in the back of the brush and be retained thereby, as hereinafter specified.

Heretofore brushes or hand-cards made for the purpose above stated have generally been made with handles formed independently from the back, requiring time in matching, fitting, and securing the parts. Fine toilet-brushes have been made with the back and handle in one piece, with veneer fitted and glued to the top to cover the perforations wherein the bristles are secured. Hand-cards have been produced by driving wire at an acute angle into the back or foundation of said card; but they differ from mine in their mode of action while being used. Curry-combs and metallic toilet-brushes have been made by securing straight pins in soft vulcanized rubber; but pins thus secured have not the required rigidity to engage with and straighten fine curled hair or wool. Small mirrors have been connected with the backs of brushes, generally, in such manner that they could be detached therefrom and held in one hand while the brush was used with the other hand.

My invention consists in peculiar details of construction, whereby a strong, inexpensive, and very convenient toilet hand-brush is produced, adapted for use by a large number of persons having closely-curved hair, upon which ordinary brushes have but little effect.

In the accompanying drawings, Figure 1 is a perspective view of the brush with the bottom upward, showing the form of the pins driven into the back. Fig. 2 is a top view of the back of the brush, and Fig. 3 is a longitudinal section of the brush.

In said drawings, A represents the back of the brush. It is made of thin board cut away

on the edges at *a* to form a handle, A', of suitable size to be easily grasped. To form the brush there is driven rigidly into one of the sides of the back A a series of straight wires or pins, B, having one end projecting about a quarter of an inch therefrom and standing at an angle of about ninety degrees with the plane of the back. Each pin stands into an independent hole, where it is forced in said back A, and the points or free ends are finished smooth and rounded so as not to abrade the skin when used.

To improve the appearance of the brush and to add to its capabilities as a toilet article, there is made into the side of the back opposite to that in which the pins B are inserted a shallow circular recess, *d*, to receive a small mirror, *e*. This mirror is securely protected from water or dampness, to which the brush may be subjected, by a casing, *e'*, of thin sheet metal, completely covering the bottom, and being flanged over, covering the edges of the glass of which the mirror is composed. The bottom of this casing is slightly larger than its upper flanged edge, so that when the mirror is pressed into the cavity *d* made for its reception the said bottom will slightly indent the periphery of said cavity and become dovetailed in and immovable. The large number of pins driven into the bottom of the back have a tendency to give to the top of said back a concave spring and cause the edges of the cavity *d* to press and bind against the casing of the mirror and insure its stability. The mirror *e* and the cavity *d* being made circular, a perfect fit of the parts is easily obtained and the complete brush produced at a very low cost.

Having now fully described my invention, I claim—

The combination of a wooden brush-back provided with a circular recess in the top thereof, and a series of straight pins driven rigidly into the bottom of said back, with a circular looking-glass and a metallic casing surrounding said looking-glass, whereby the latter is protected and retained within the circular recess of the brush-back, substantially as and for the purpose described.

GEO. F. ELLS.

Witnesses:

ARTHUR MORE,
JAY MORE.