J. LEEMING.

HAIR-CRIMPER.

No. 193,413. Patented July 24, 1877.

Fig. 1

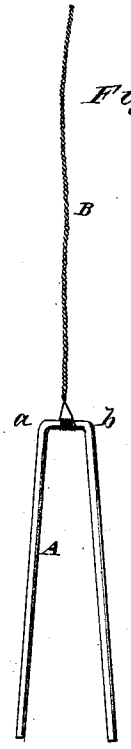
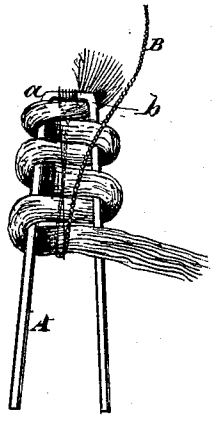


Fig. 2



WITNESSES:

A. W. Almquist

J. H. Scarborough.

INVENTOR:

J. Leeming.

BY Munn & Co

ATTORNEYS.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOHN LEEMING, OF POUGHKEEPSIE, NEW YORK.

IMPROVEMENT IN HAIR-CRIMPERS.

Specification forming part of Letters Patent No. **193,413**, dated July 24, 1877; application filed June 18, 1877.

To all whom it may concern:

Be it known that I, JOHN LEEMING, of Poughkeepsie, in the county of Dutchess and State of New York, have invented a new and useful Improvement in Hair-Crimpers, of which the following is a specification:

Figure 1 is a side view of my improved hair-crimper. Fig. 2 shows the manner of using the same.

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide an inexpensive, efficient, and convenient device for crimping hair.

In the drawing, A is a hair-pin, similar to those in common use, differing only in having the part *a b*, that unites the two prongs, straight. Around this portion the wire B is wound several times, and its ends are twisted together, forming a tongue, which is a little longer than the hair-pin. The wire B is made of flexible material, preferably of copper.

The hair is interwoven with the prongs of the hair-pin in the usual way, and the wire B is bent around it, as clearly shown in Fig. 2. This device is small and light, and quickly and easily applied.

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

The combination, with hair-pin A, of a flexible wire, B, arranged as shown and described, so that the hair may be crimped near its roots, and without the use of clamps.

JOHN LEEMING.

Witnesses:

E. CONKLIN,

JOSEPH P. ENGLISH.