

J. H. VOGT & G. DIETZEL.
HAIR ROLL.

No. 107,130.

Patented Sept. 6, 1870.

Fig. 1.

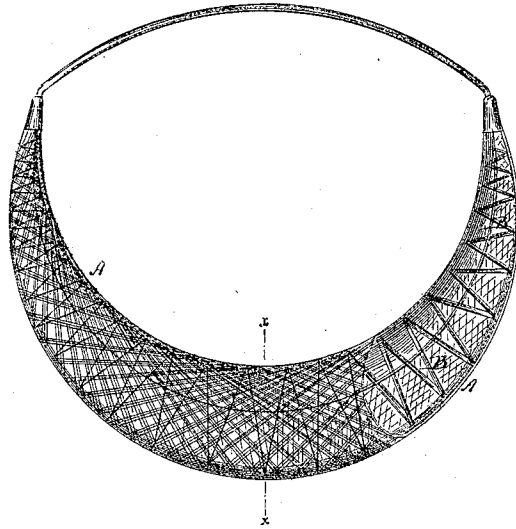


Fig. 2.

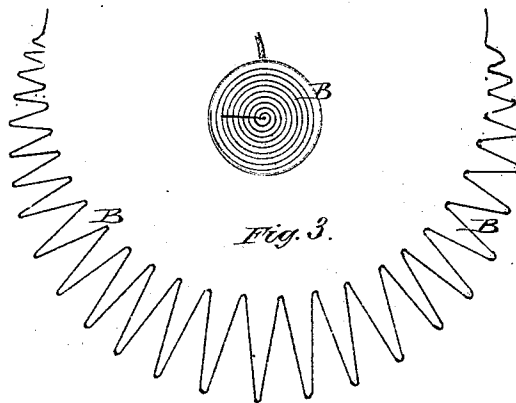
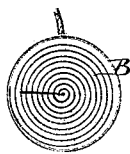


Fig. 3.



Witnesses:

Gustave Dietrich
Alex. F. Roberts

Inventor:

J. H. Vogt
G. Dietzel
PER *Mmm*
Attorneys.

UNITED STATES PATENT OFFICE.

JOHN H. VOGT AND GEORGE DIETZEL, OF NEW YORK, N. Y.

IMPROVEMENT IN HAIR-ROLLS.

Specification forming part of Letters Patent No. **107,130**, dated September 6, 1870.

To all whom it may concern:

Be it known that we, JOHN H. VOGT and GEORGE DIETZEL, of the city, county, and State of New York, have invented a new and useful Improvement in Hair-Rolls; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of of this specification, in which—

Figure 1 represents a side view, partly in section, of our improved hair-roll. Fig. 2 is an end view of the inner spring. Fig. 3 is a side view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new manner of holding rolls for ladies' hair distended by means of a spiral spring which tapers toward its ends to fit the rolls. Tapering hair-rolls have already been in use; but they were not made sufficiently stiff to withstand the least

external pressure, and were therefore apt to collapse.

We introduce within the roll A, which is made of glazed cotton or other suitable fabric, a spiral spring, B, which is made tapering toward the ends, as shown in Fig. 3, to conform to the shape of the roll. This spring, without materially increasing the weight of the roll, retains the same in proper shape and admits the use of a weaker and less expensive outer covering than could hitherto be employed.

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

The tapering hair roll provided with a spiral spring, B, by which it is held distended, as set forth.

JOHN H. VOGT.
GEORGE DIETZEL.

Witnesses:

A. V. BRIESEN,
ALEX. F. ROBERTS.