

(No Model.)

J. HAWLOWETZ.  
FEATHER TRIMMING.

No. 305,921.

Patented Sept. 30, 1884.

fig. 1.

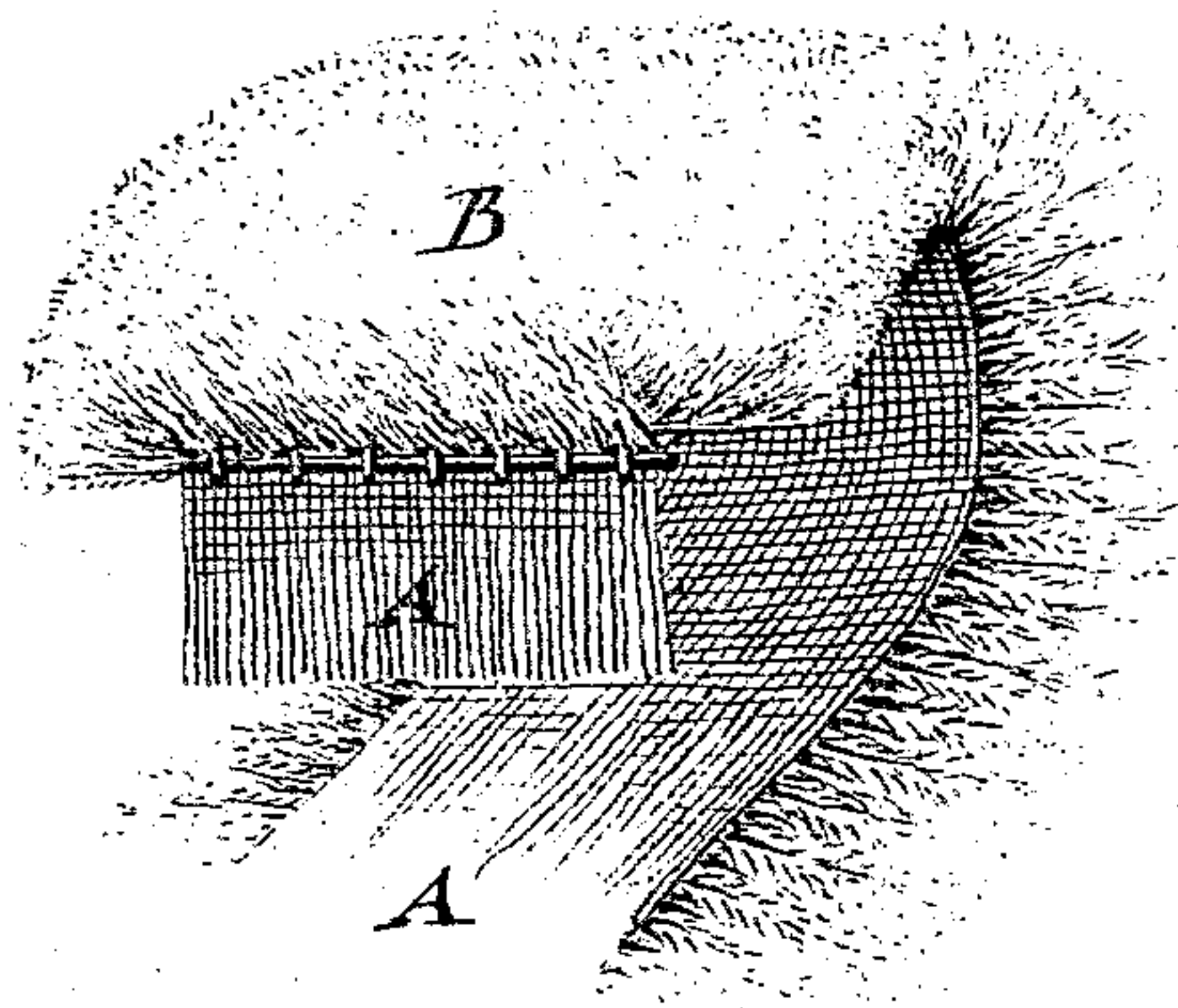


fig. 2.

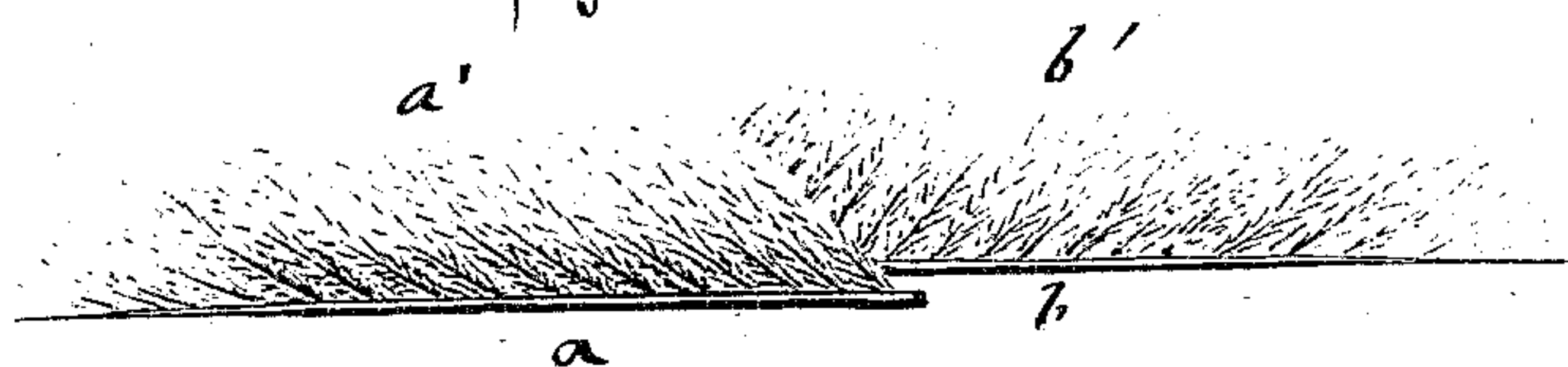
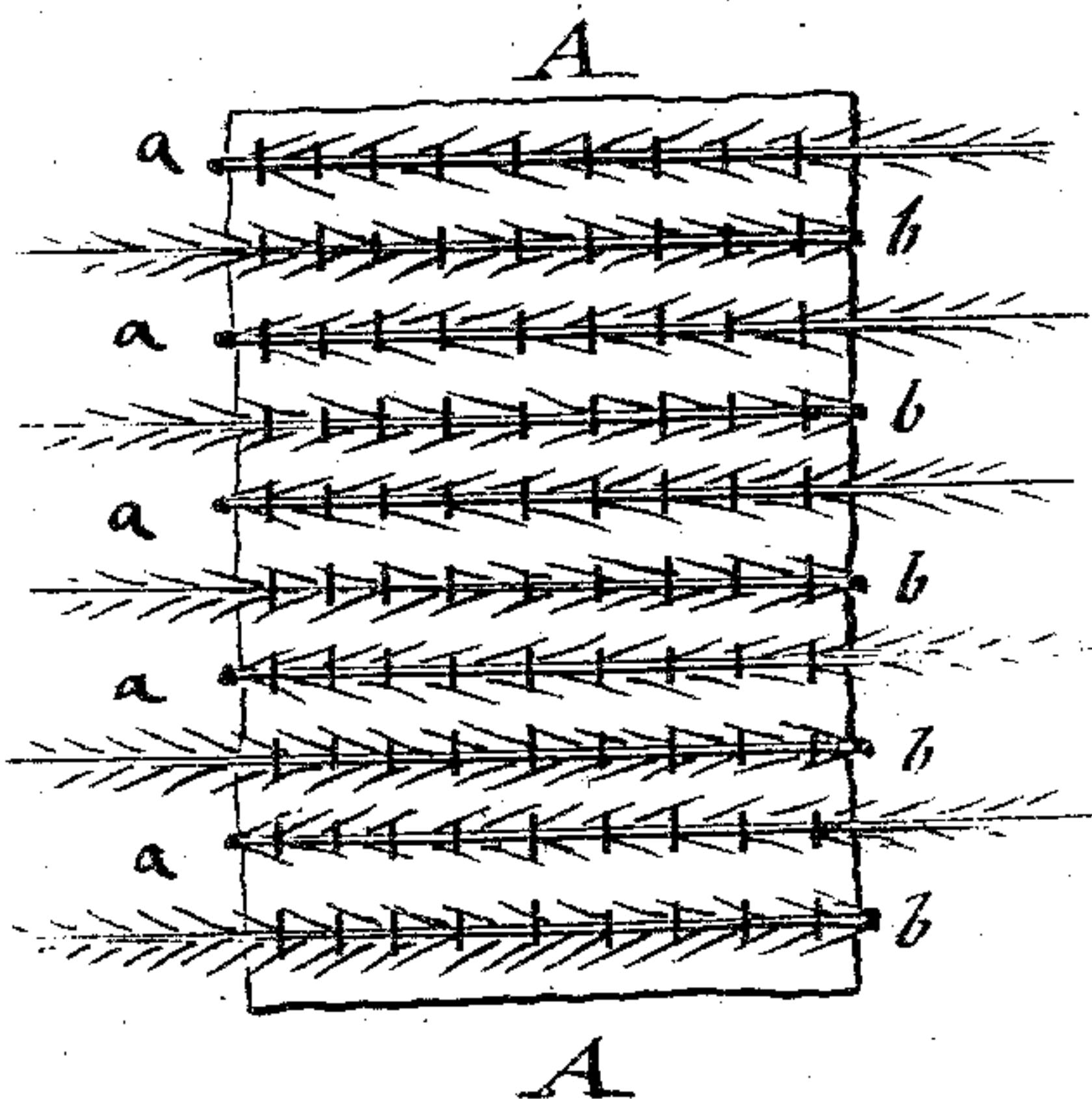


fig. 3.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JOHN HAWLOWETZ, OF NEW YORK, N. Y.

## FEATHER TRIMMING.

SPECIFICATION forming part of Letters Patent No. 305,921, dated September 30, 1884.

Application filed March 8, 1884. (No model.)

*To all whom it may concern.*

Be it known that I, JOHN HAWLOWETZ, of the city, county, and State of New York, have invented certain new and useful Improvements in Feather Trimmings, of which the following is a specification.

This invention has reference to certain improvements in feather trimming, and more especially in the manufacture of feather trimmings for which Letters Patent No. 252,374, dated January 17, 1882, have been granted to me heretofore, the improvements being designed with a view to utilizing all kinds of feathers—such as ostrich, marabou, turkey-downs, and other feathers—and of imparting a fuller and more finished appearance to the trimming. In the prior patent referred to the textile base or backing was shrunk upon the quills of the feathers interwoven therewith by subjecting the fabric to the action of a dye-liquor. I have found that this may be dispensed with and the feathers retained firmly in the fabric and in such a manner that a fuller and more finished appearance is imparted to the trimming.

The invention consists of a feather trimming composed of a textile base or backing and of feathers which are interwoven therewith parallel with the wefts, the quills and flues or vanes of one weft or filling being inserted alternately in opposite directions to the feather of the adjoining weft or filling, and extended beyond the edges of the textile base.

In the accompanying drawings, Figure 1 represents a perspective view of my improved feather trimming. Fig. 2 is a detail view of the feathers used in the manufacture thereof; Fig. 3, a diagram showing the method of weaving the feathers into the textile base.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents the textile base or backing of this improved fabric, and B the face thereof, which is composed of feathers interwoven with the base. This fabric is woven on a hand-loom of ordinary construction, the width of the base being in proportion to the width required for the trimming.

The feathers are inserted in the warp parallel with the weft-threads and beaten up therewith, being so arranged that the direction of the quills *a* and flues *a'* of one weft or filling alternate with the direction of the quills *b* and vanes or flues *b'* of the next adjoining weft or filling, as shown clearly in Figs. 2 and 3. Any kind of feathers, either dyed or in their natural state, may be used for this purpose. The feathers are made of such a length that they extend sufficiently at both sides of the base A, so as to impart a high degree of fullness and finish to the trimming. By using long feathers and allowing them to extend at one or both sides, trimmings having twice or thrice the width of the base may be obtained.

When ostrich or marabou feathers are used, the ends are trimmed off evenly; but when turkey-downs are used the natural ends of the feathers are retained. The trimming thus produced in imitation of fur is very durable, is not exposed to damage by moths, can be renovated by dyeing from time to time, and has a rich and handsome appearance, which commends it as a trimming for ladies' wear.

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

1. A feather trimming consisting of a textile base or backing and of feathers interwoven therewith parallel with the weft-threads, the quills and flues of one weft or filling being arranged in opposite directions to those of the adjoining weft or filling, substantially as set forth.

2. A feather trimming consisting of a textile base or backing and of feathers interwoven therewith parallel with the weft-threads, the quills and flues of the wefts or fillings being arranged alternately in opposite directions to each other, and extended beyond the edges of the base, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JOHN HAWLOWETZ.

Witnesses:

PAUL GOEPEL,  
SIDNEY MANN.