

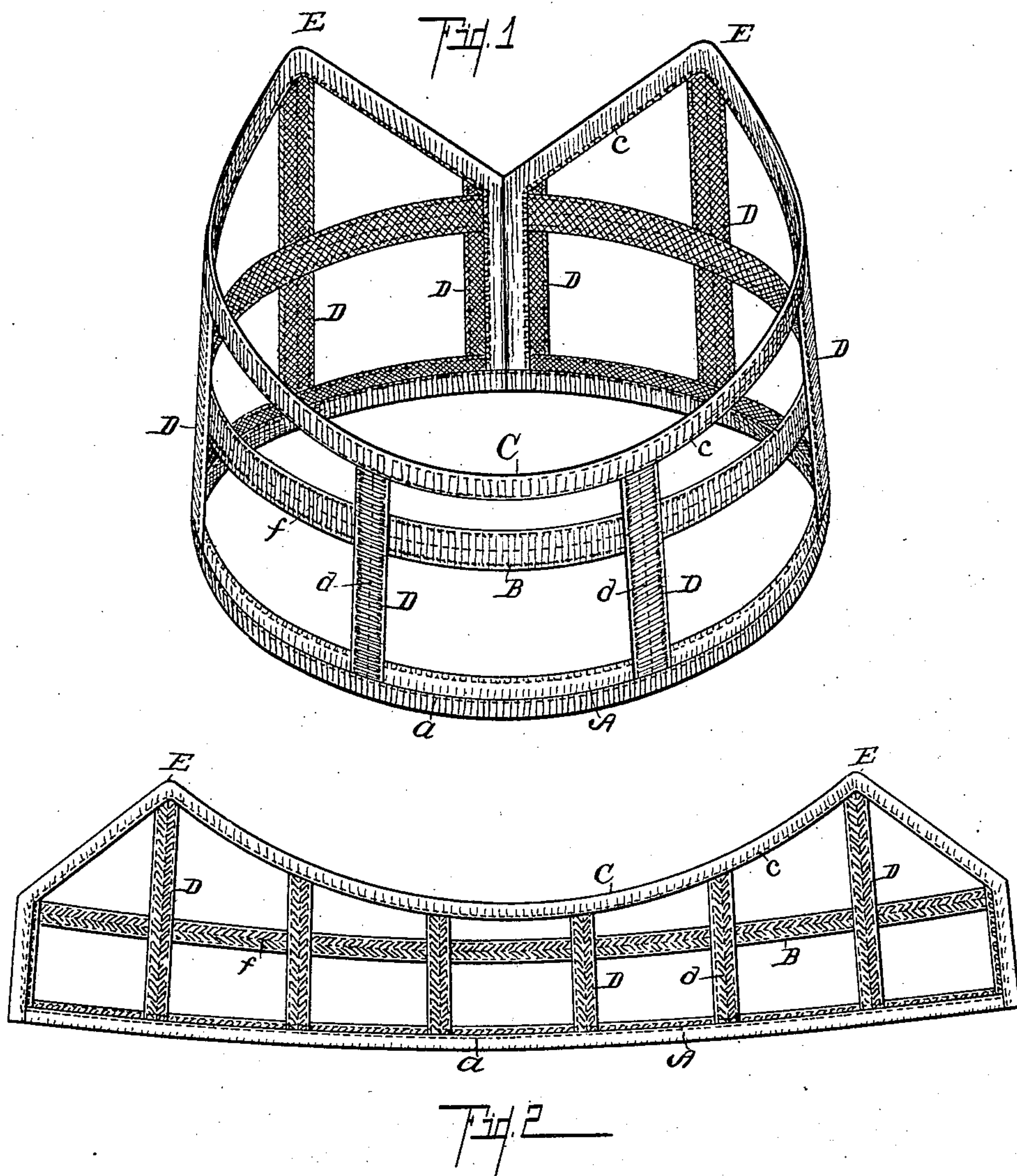
No. 669,152.

Patented Mar. 5, 1901.

E. K. WARREN.
COLLAR FOUNDATION.
(Application filed June 26, 1900.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses:
S. A. Earl.
Otis A. Earl

Inventor,
Edward K. Warren
By Fred L. Chappell
Att'y.

No. 669,152.

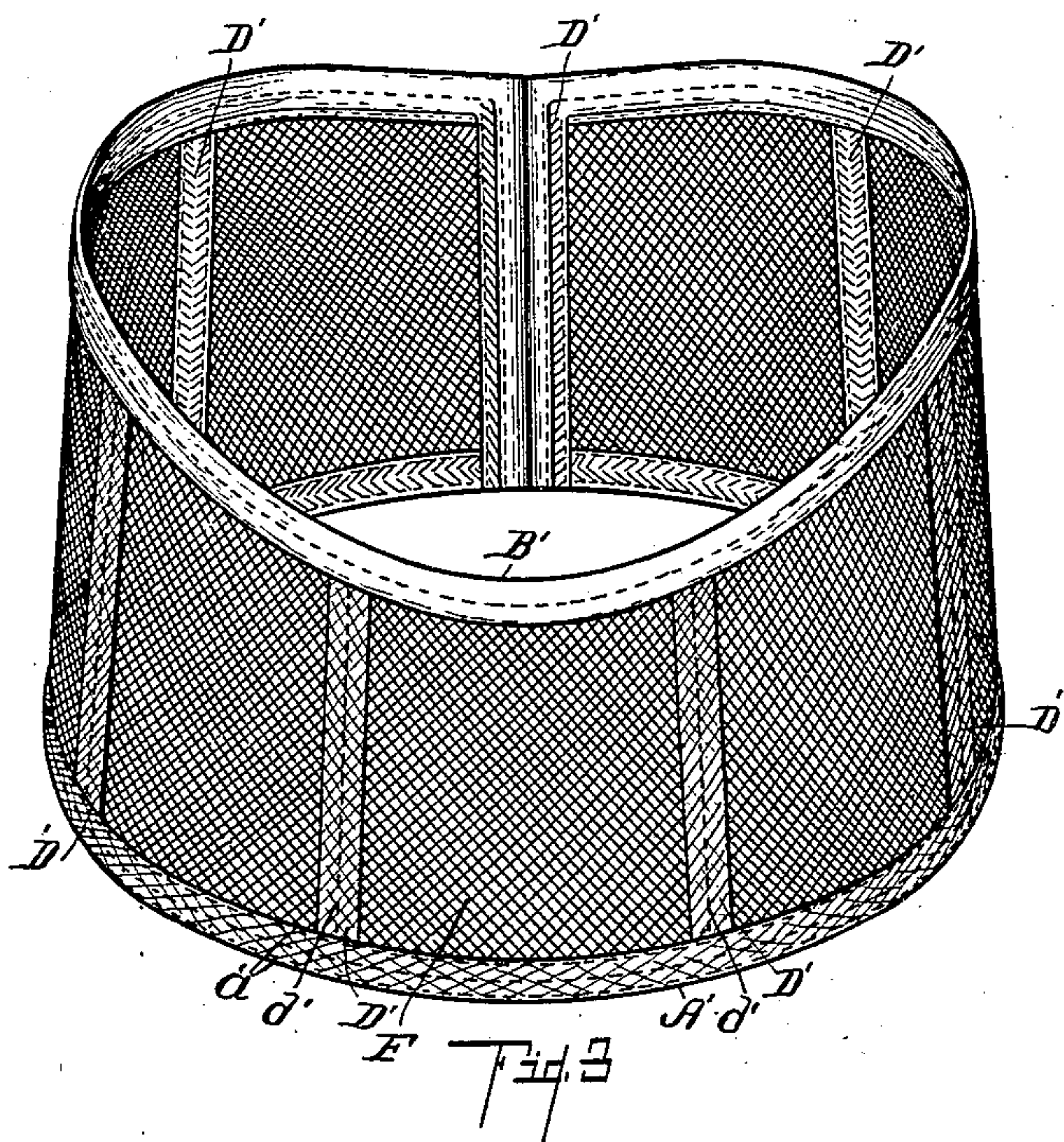
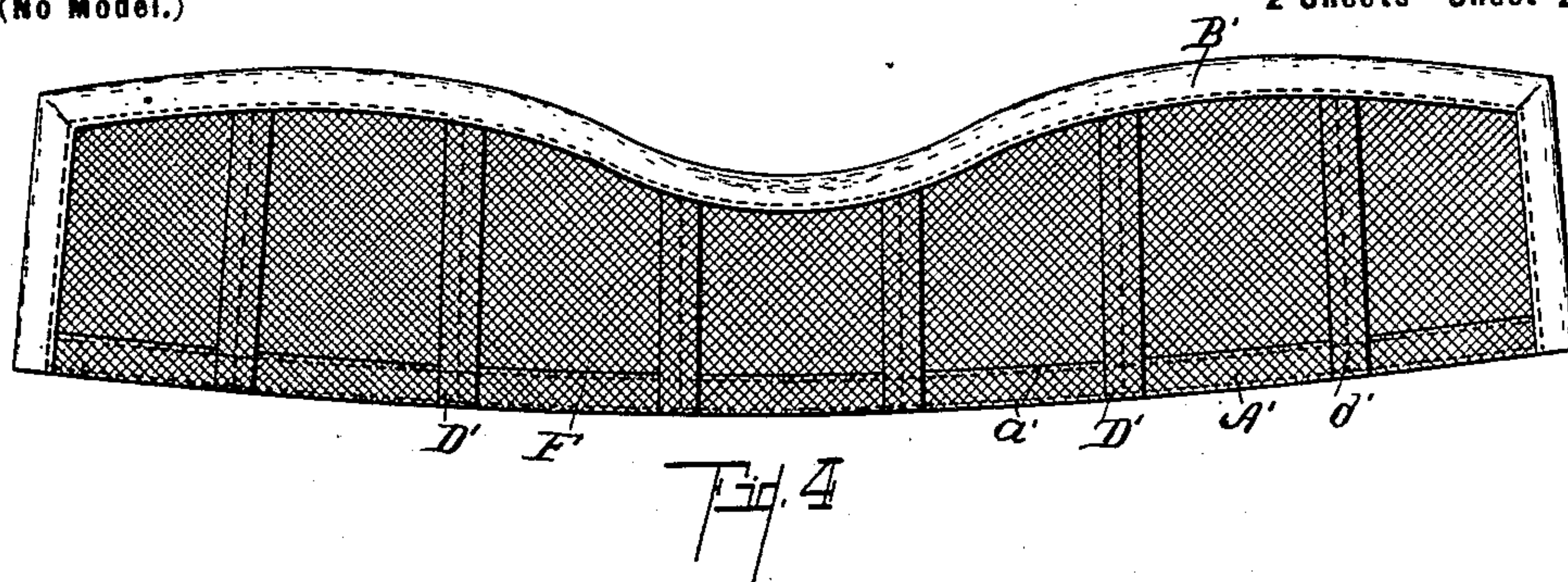
Patented Mar. 5, 1901.

E. K. WARREN.
COLLAR FOUNDATION.

(Application filed June 28, 1900.)

(No Model.)

2 Sheets—Sheet 2.



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UNITED STATES PATENT OFFICE.

EDWARD K. WARREN, OF THREEOAKS, MICHIGAN.

COLLAR-FOUNDATION.

SPECIFICATION forming part of Letters Patent No. 669,152, dated March 5, 1901.

Application filed June 26, 1900. Serial No. 21,696. (No model.)

To all whom it may concern:

Be it known that I, EDWARD K. WARREN, a citizen of the United States, residing at the village of Threeoaks, in the county of Berrien and State of Michigan, have invented a certain new and useful Improved Collar-Foundation, of which the following is a specification.

This invention relates to improvements in stock-foundations or collar-foundations for dresses or garments.

One object of the invention is to provide a light foundation which is sufficiently rigid for the purpose and is at the same time open and cool and will retain its form and not be affected by heat and moisture from the person of the wearer.

Further objects will definitely appear in the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in this specification.

The invention is clearly defined, and pointed out in the claims.

A structure embodying the features of my invention is fully illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective front view of a stock or collar foundation. Fig. 2 is a plan view of the same structure or of the structure extended in the flat. Fig. 3 is a perspective view of a modified form. Fig. 4 is a plan or plan view or a view of the structure of Fig. 3 extended in the flat.

In the drawings similar letters of reference refer to similar parts throughout the several views.

In the construction of my improved stock or collar foundation I preferably make use of the material composed of fibers made from the quill portion or enamel portion of feathers, which is very easy to manipulate and form and attach and is yet quite durable and unchanging under normal conditions when made into wearing-apparel. I am aware, however, that there are inferior stiffening materials which can be used, and while I desire that certain of my claims be construed broadly I wish it understood that others are confined to this particular material, which I call "featherbone."

Referring to the lettered parts of the draw-

ings, A is the bottom band of the stock or collar foundation, made of stiffening material, and B is the main upper band, also of stiffening material, made of such size and length as to properly fit the neck of the wearer. Connecting these parts together are upright strips D, of stiffening material, the parts being secured together by rows of stitching extending lengthwise of each stiffener and crossing at the points of intersection of such stiffeners. The rows of stitching are indicated by the letters *a b c d*. Where a plain collar is desired, this will be sufficient, the top band being suitably conformed, as indicated in Fig. 3. When a collar or stock of fancy shape is desired, the upright stiffeners D are extended above the main top band B and an additional but lighter top band C, of stiffening material, is connected to the upper ends of the upright parts D, and as this band C is comparatively light it can be bent at an angle, as at E, as fully appears in Fig. 1, to form upwardly-projecting points, or the upper band being light can be conformed into any desired shape and be supported by the upwardly-projecting strips. It is needless to remark that this framework can be covered by a thin gauzy material F or any suitable fabric as additional foundation for the attachment of light laces or other fabrics, as seen in Fig. 3. For the heavier fabrics no such additional foundation will be found necessary.

In Fig. 3 I illustrate a simple collar or stock foundation in which but the top and bottom bands A' B' are utilized, which is entirely practicable to do where the upper edge of the collar is only slightly curved, as appears in this Fig. 3. I have lettered the corresponding parts in this Fig. 3 with the letters primed, and otherwise the description of the first figure applies.

With my improved stock or collar foundation it will be observed that the throat is not tightly incased, and as the material which I use is very yielding but resilient a very comfortable stock is provided. It is possible to cover my improved foundations with comparatively open lace, which will be found to completely conceal the foundation or framework and produce a very pleasing effect without any discomfort to the wearer. I desire

to remark also in this connection that I am aware that the framework effect secured in my improved stock or collar foundation can be secured by cutting the same from a sheet
5 of appropriate stiffening material preserving the form of circular bands and upright strips for support, and by so doing form a very satisfactory foundation, particularly if the same is covered with fabric, so that the open spaces
10 are filled with a light fabric, gauze, or net. Such stiffening material might be a sheet of celluloid, a sheet of haircloth properly woven, or some suitable stiff fabric or fabric properly sized or otherwise stiffened.

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

1. In a collar or stock foundation, the combination of the lower band A; the main upper
20 band B; the upright strips D, D, D, connecting the said bands together and projecting

above the main upper band B; a lighter band C connected to the upper ends of the upright portions D and suitably conformed to form the upper edge of the collar, the said parts
25 being formed of a suitable stiffening material, and the parts being suitably joined together, as specified.

2. In a collar or stock foundation, the combination of a lower band; an upper band of
30 lighter material; and intermediate connecting portions of varying lengths to support said upper band at varying distances from said lower band, said parts being formed of stiffening material, for the purpose specified.
35

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

EDWARD K. WARREN. [L. S.]

Witnesses:

WM. C. HALL,

F. W. CHAMBERLAIN.