

No. 827,530.

PATENTED JULY 31, 1906.

R. E. HILLS & V. E. BREVOORT.

POLISHING MITTEN.

APPLICATION FILED JAN. 4, 1905.

2 SHEETS—SHEET 1.

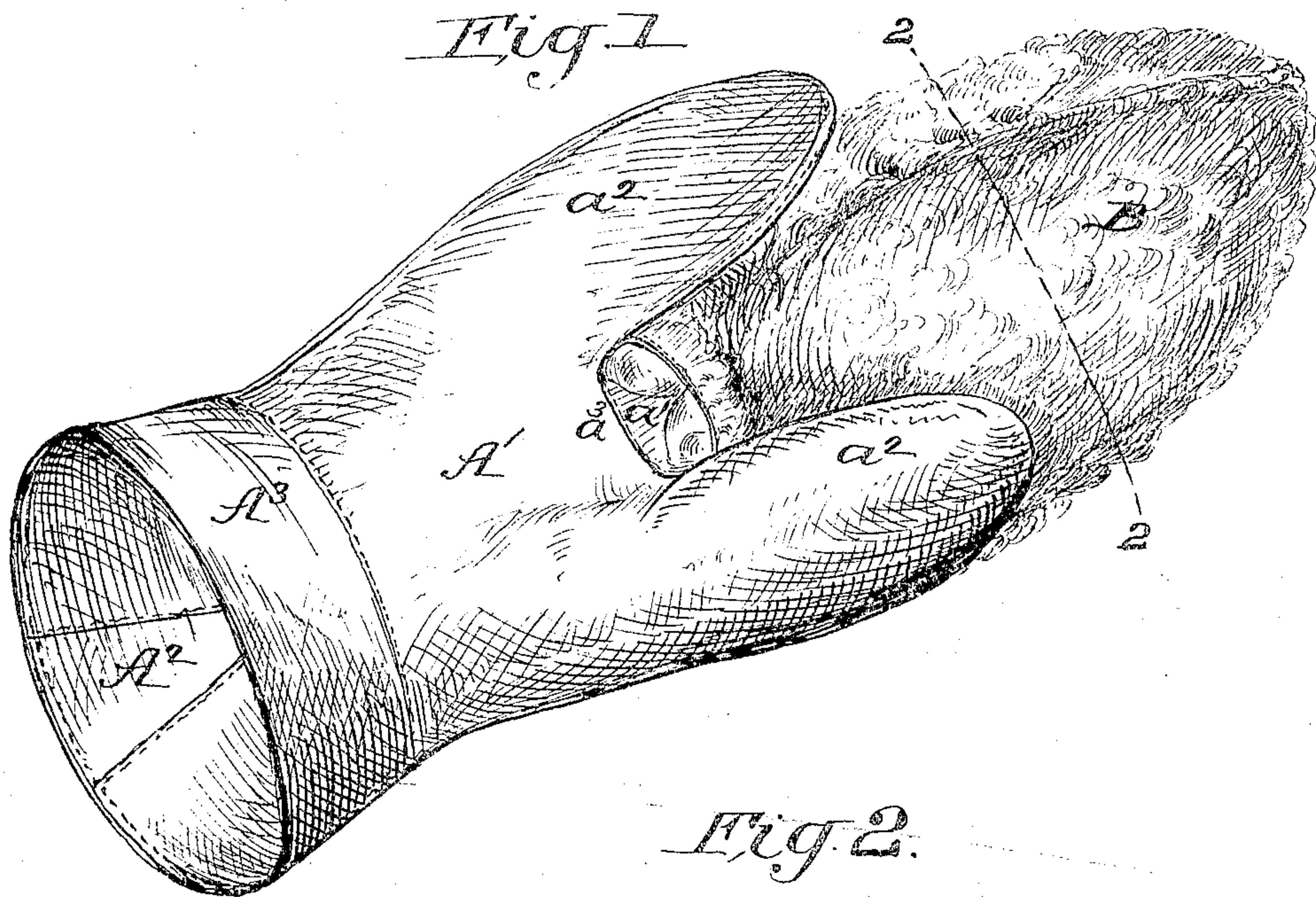


Fig. 2.

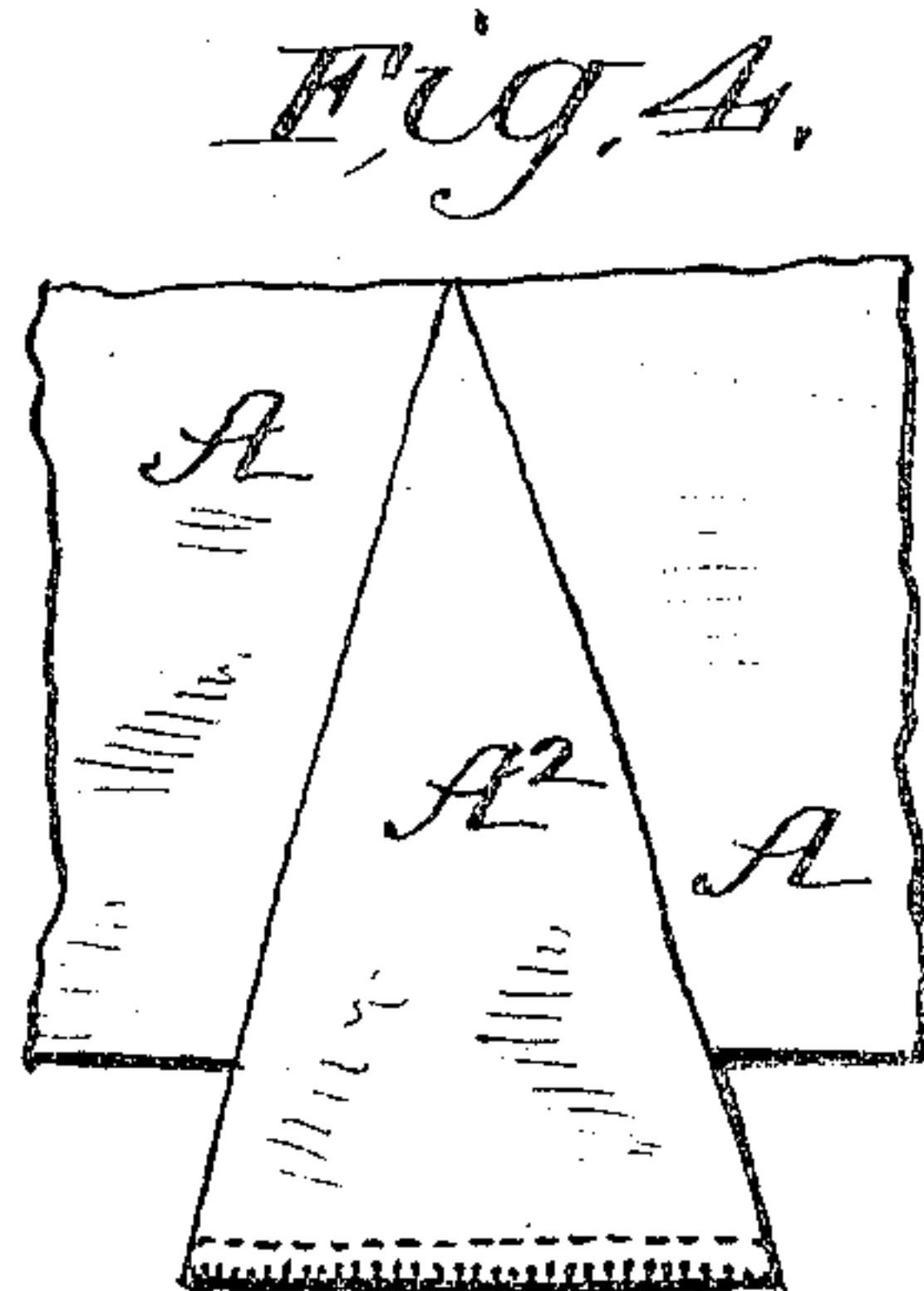
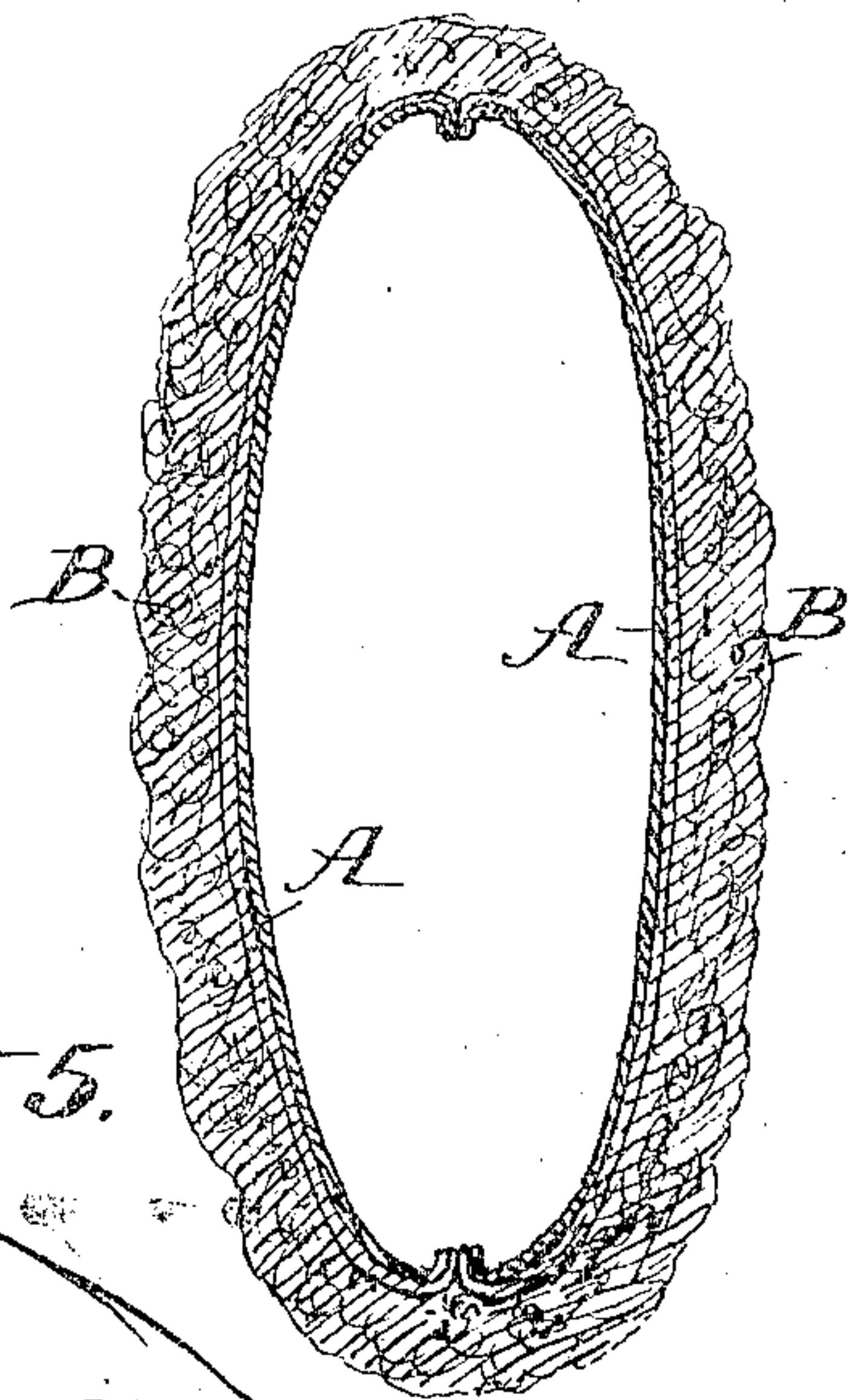
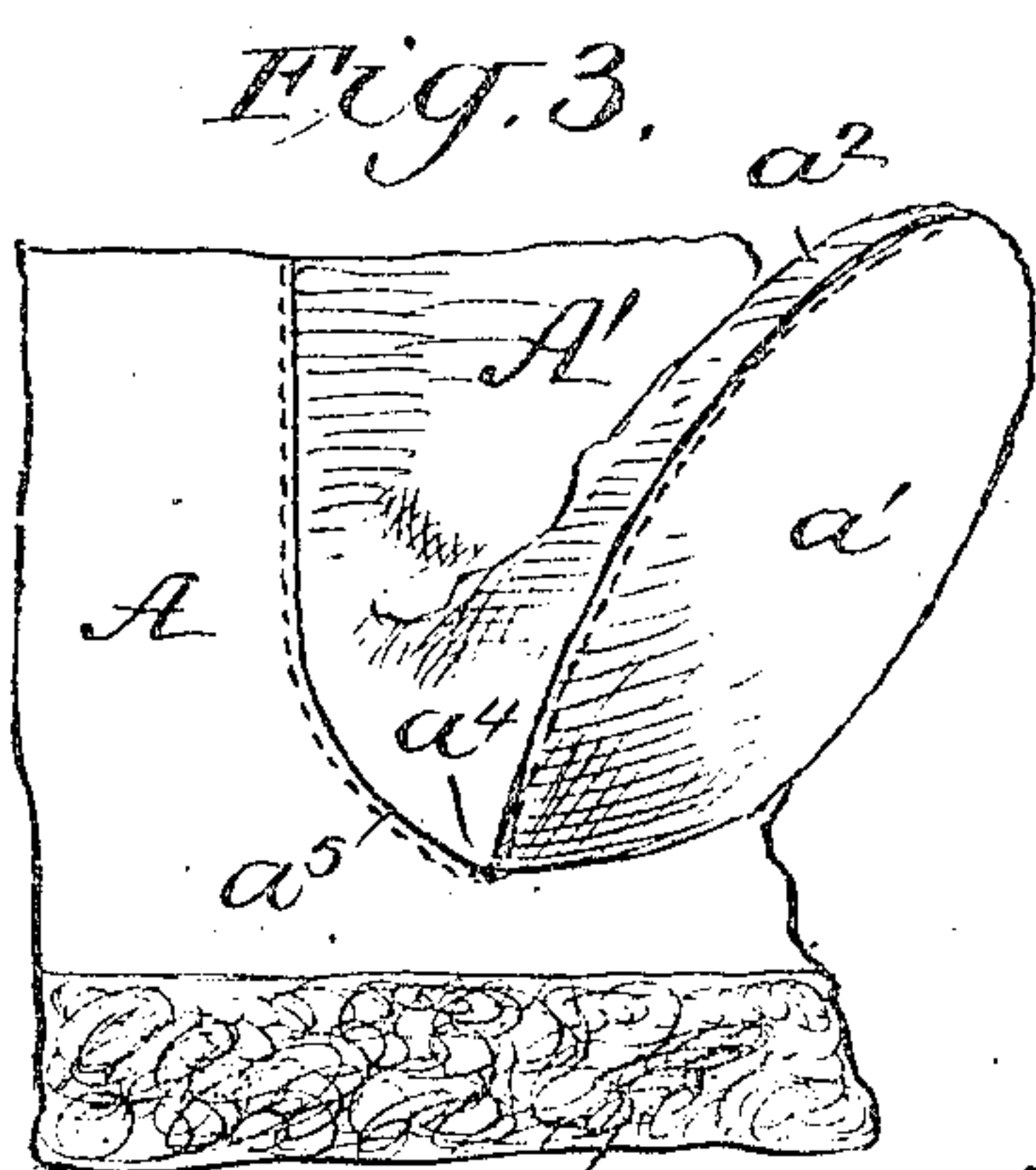
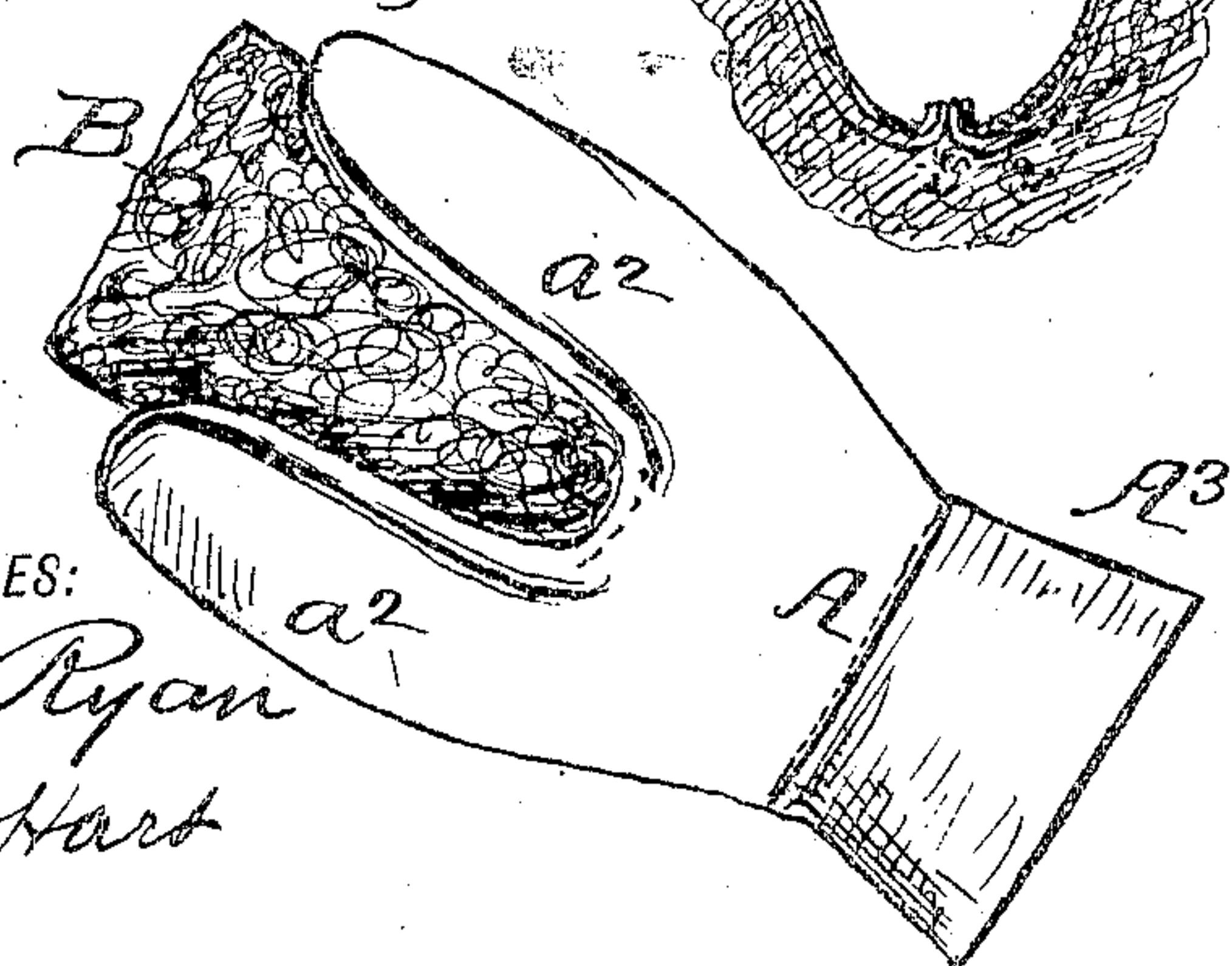


Fig. 5.



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2 SHEETS—SHEET 2.

Fig. 6.

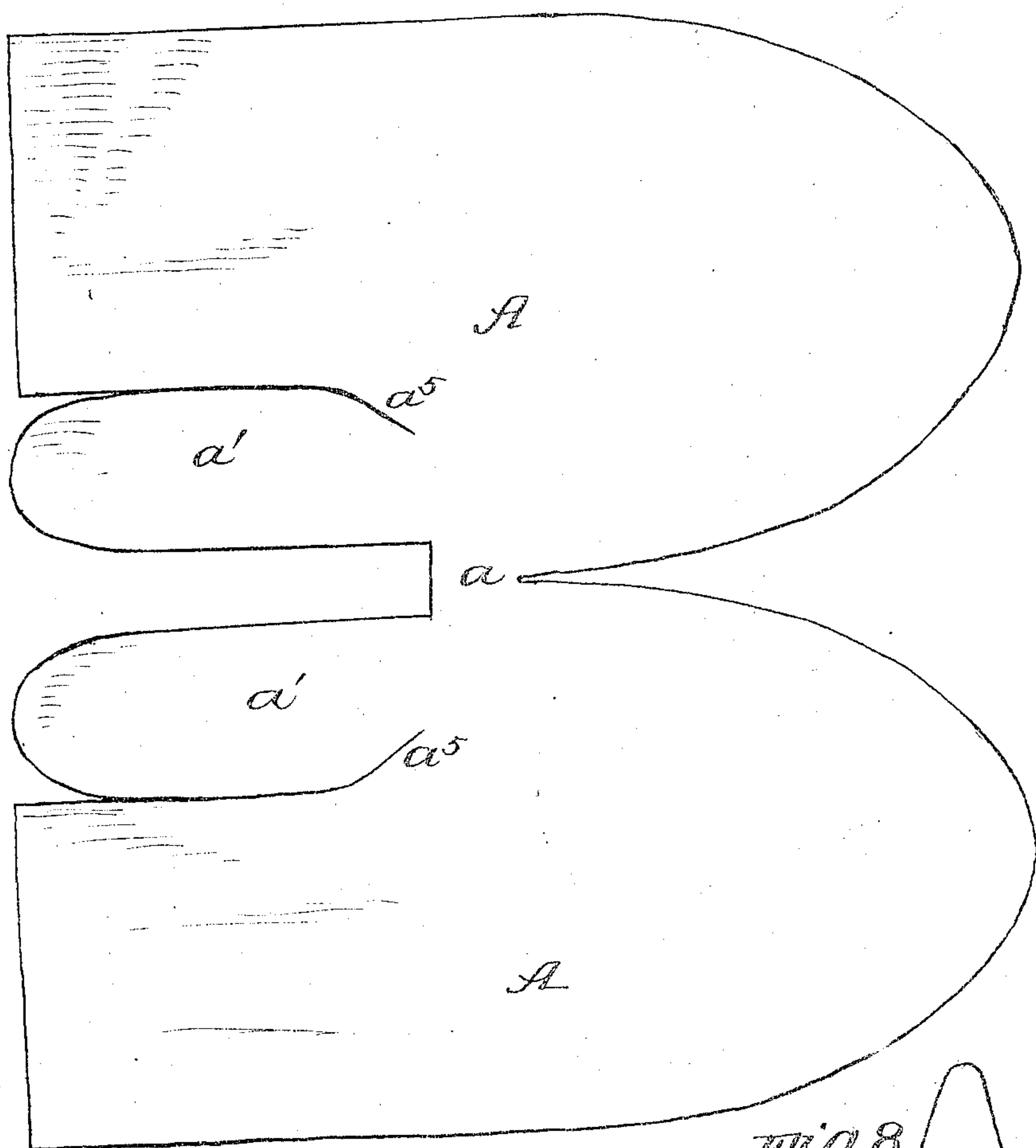


Fig. 7.

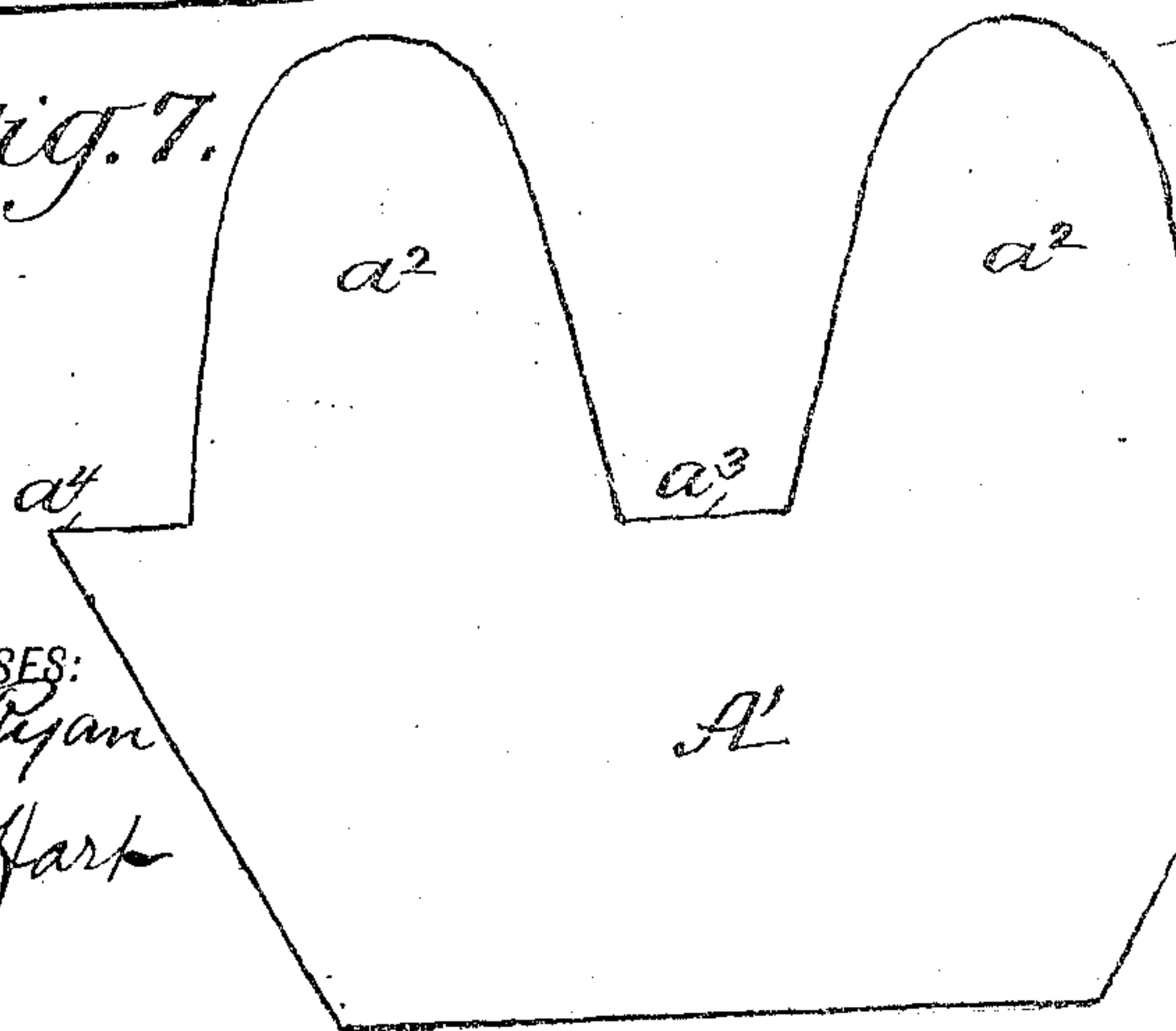
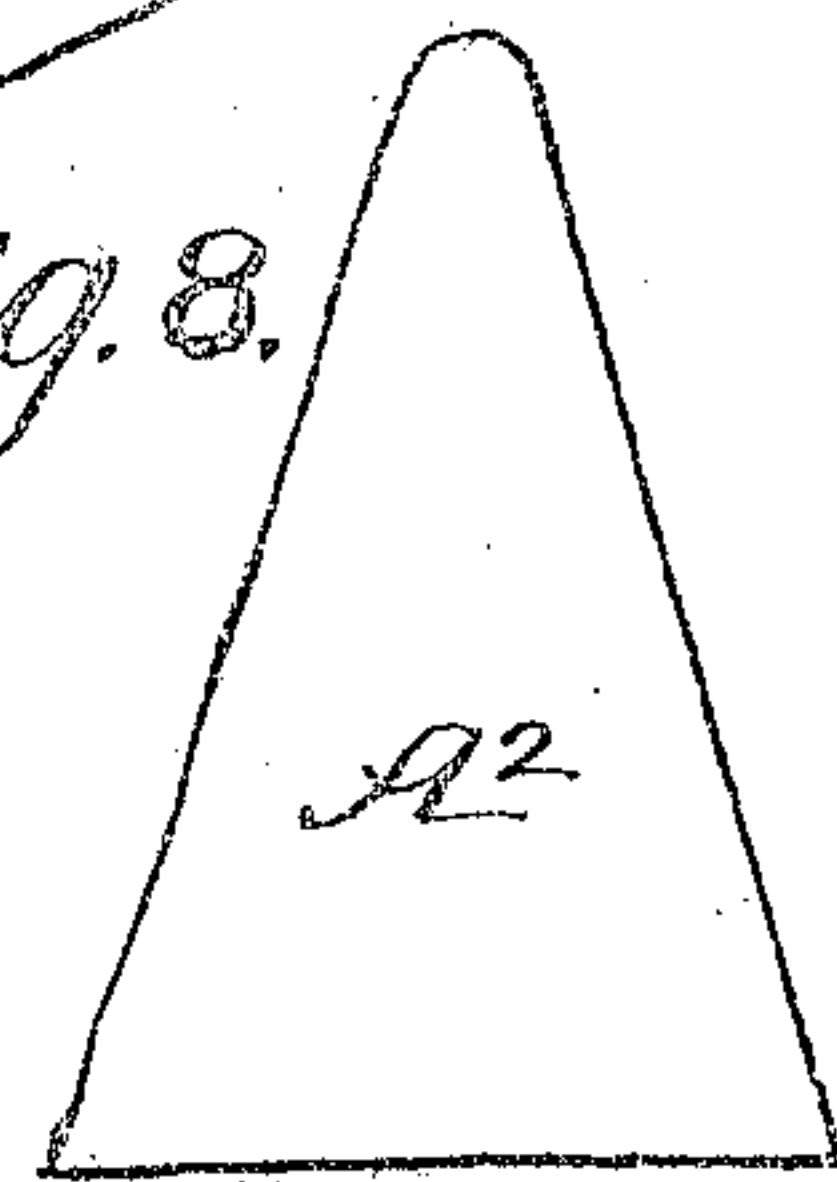


Fig. 8.



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UNITED STATES PATENT OFFICE.

REUBEN EDGAR HILLS AND VIRGIL ELI BREVOORT, OF DELAWARE, OHIO

POLISHING-MITTEN

No. 827,580.

Specification of Letters Patent.

Patented July 31, 1906.

Application filed January 4, 1905. Serial No. 233,611.

To all whom it may concern:

Be it known that we, REUBEN EDGAR HILLS and VIRGIL ELI BREVOORT, citizens of the United States, residing at Delaware, in the county of Delaware and State of Ohio, have made certain new and useful Improvements in Polishing-Mittens, of which the following is a specification.

Our invention is an improvement in mittens intended and adapted for use in polishing shoes and other articles, the same being provided with two thumbs arranged contiguously, so that a mitten may be worn on either hand and either palm serve as the polishing-surface.

The chief object of our invention is to effect an economy in labor and material in making up the mitten.

The invention is embodied in the form, arrangement, and combination of parts hereinafter described and claimed, the same being illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of our improved polishing-mitten. Fig. 2 is a cross-section on the line 2 2 of Fig. 1. Fig. 3 is a view illustrating the connection and arrangement of the main palms and thumb-palms with the upper palm-piece and the thumb-backs. Fig. 4 is a plan view illustrating the attachment and arrangement of a gore with the upper portion of the mitten. Fig. 5 is a perspective edge view of the mitten. Fig. 6 is a plan view of the main palms and thumb-palms and their connecting portion as extended in the flat. Fig. 7 is a plan view of the upper palm portion and thumb-backs as extended in the flat. Fig. 8 is a plan view of the gore inserted opposite the upper palm portion.

The body of the mitten is made up of the several pieces shown in Figs. 6 to 8, inclusive. The two main palm-pieces or palms proper, A A, (see Fig. 6,) are preferably connected by a narrow strip *a*, which is located at the base of the thumb-palms *a'*. Thus the several parts named—to wit, the main palms A, the thumb-palms *a'*, and the connecting-strip *a*—are all formed integrally or of one piece of material, and in practice all may be cut out at one operation by a die of suitable form and construction. By this means we avoid the necessity of two seams down the side of the mitten and effect a saving in the time and labor of making up and

sewing, as well as in the operation of cutting out.

The piece A', Fig. 7, includes the outer sides or backs *a²* of the thumbs and a connecting palm portion with which they are integral. The manner of connecting these palm and thumb pieces A' *a²* with the main palms A and thumb-palms *a'* will be understood by those skilled in the art upon reference to Figs. 1 and 3—that is to say, the upper edge of the connecting-strip *a* between the palms A A is in practice sewed to the edge *a³*, (see Fig. 7,) which intervenes the thumb-backs *a²*, while the acute-angled projections *a⁴* (see Fig. 7) of the upper thumb-piece A' intervene the bases of the thumb-palms *a'* and the adjacent portion *a³* (see Fig. 6) of the palms A. Thus two thumbs are formed, the same lying adjacent, as shown in Fig. 1, on the same side of the mitten, but each adjacent to one of the palms. In other words, the two thumbs are arranged on one side of the mitten with symmetrical relation to the two opposite palms, whereby the mitten is adapted to be worn on either hand with equal facility, in which case one palm serves for the right hand and the other palm for the left hand. The gore A² (see Fig. 8) is inserted, as shown in Figs. 1 and 4, between the upper edges of the palms A on the side of the mitten which is opposite the upper palm-piece A'. As shown in Fig. 4, the upper end of the gore projects beyond the palm-pieces, so that it forms, with the band A², the top edge of the mitten.

To the mitten proper thus made up we attach a polishing material, the same being sewed to the body or palm portion of the mitten, so as to cover both sides, as illustrated in Figs. 1 and 2. We have found that unshorn sheepskin is an excellent and we believe the preferable material for this purpose.

The mitten proper is preferably formed of waterproof cloth, since this protects the hands from becoming wet and soiled while polishing shoes, stoves, furniture, floors, or any other similar surface requiring polish.

The adaptation of the mitten for polishing shoes or other articles having a curved or irregular surface is apparent, since it is highly flexible, and thus adapted to be brought easily in contact with all the parts requiring to be polished, so that the operation is rapidly effected.

In practice either side of the mitten may be used for polishing either in the first or last stage; but, if preferred, one side may be used as a dauber and the other as a polisher proper
5 as judgment or convenience may dictate.

What we claim is—

1. The improved double palm and thumb polishing-mitten, comprising main palm portions and thumb-palms, formed of one piece
10 of material, and thumb-backs and an upper palm portion also formed of one piece, the same being arranged and secured together, substantially as described.

2. The improved double palm and thumb
15 polishing-mitten, comprising main palms and thumb-palms formed integrally, the connecting portion between the two palms being

located at the bases of the said thumb-palms, and an upper palm-piece formed integral with the thumb-backs, the part or edge
20 which intervenes the thumb-backs having practically the same extension as the portion which connects the main palms and sewed thereto, and the angular side edges of the upper palm portion being sewed to the respective main palms and the thumb-palms at the
25 bases of the latter and on the outer sides of the same, substantially as described.

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Witnesses:

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