

(No Model.)

2 Sheets—Sheet 1.

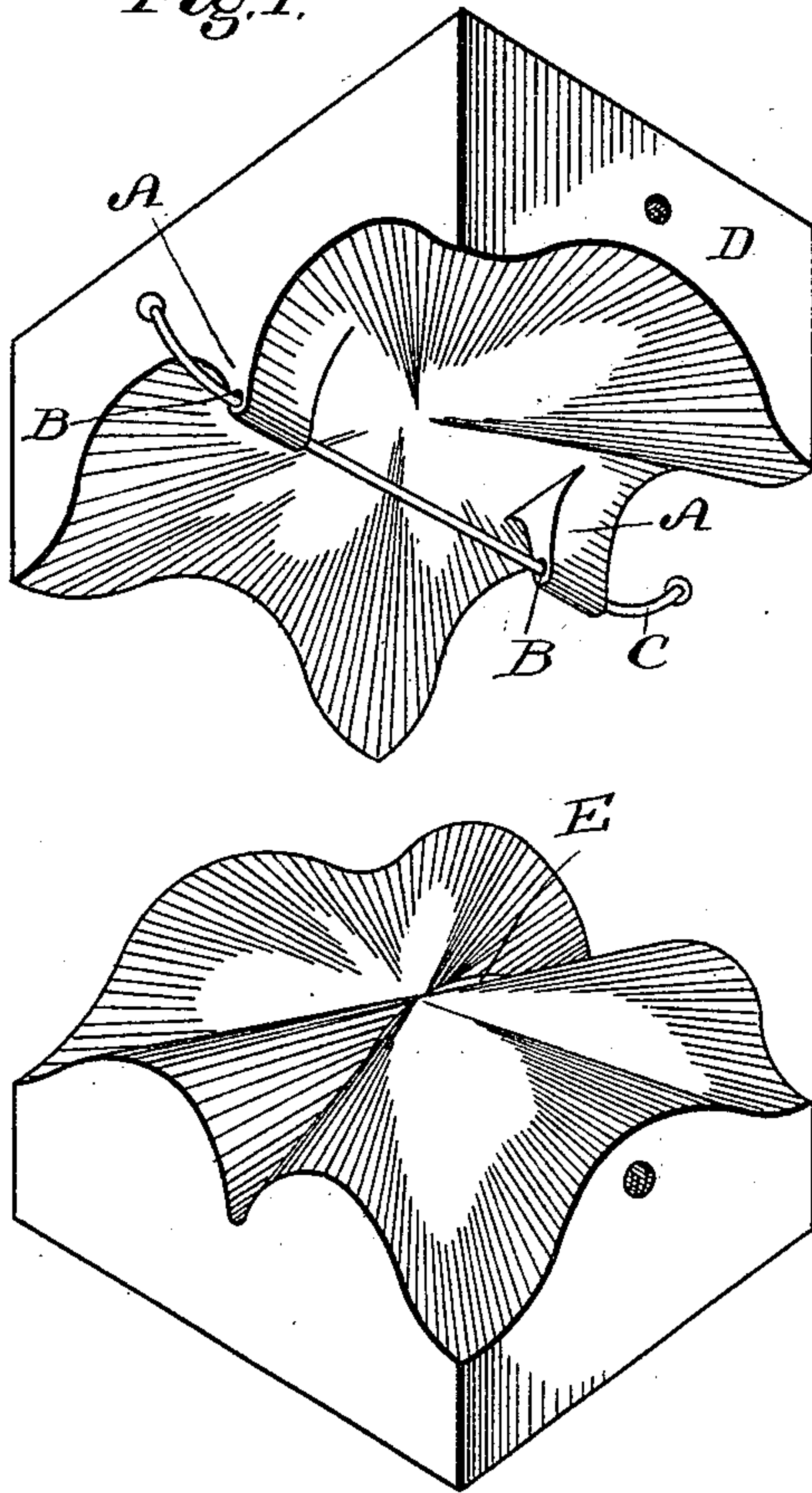
A. J. HISCOTT.

DIE FOR MAKING SEAMLESS DRESS SHIELDS.

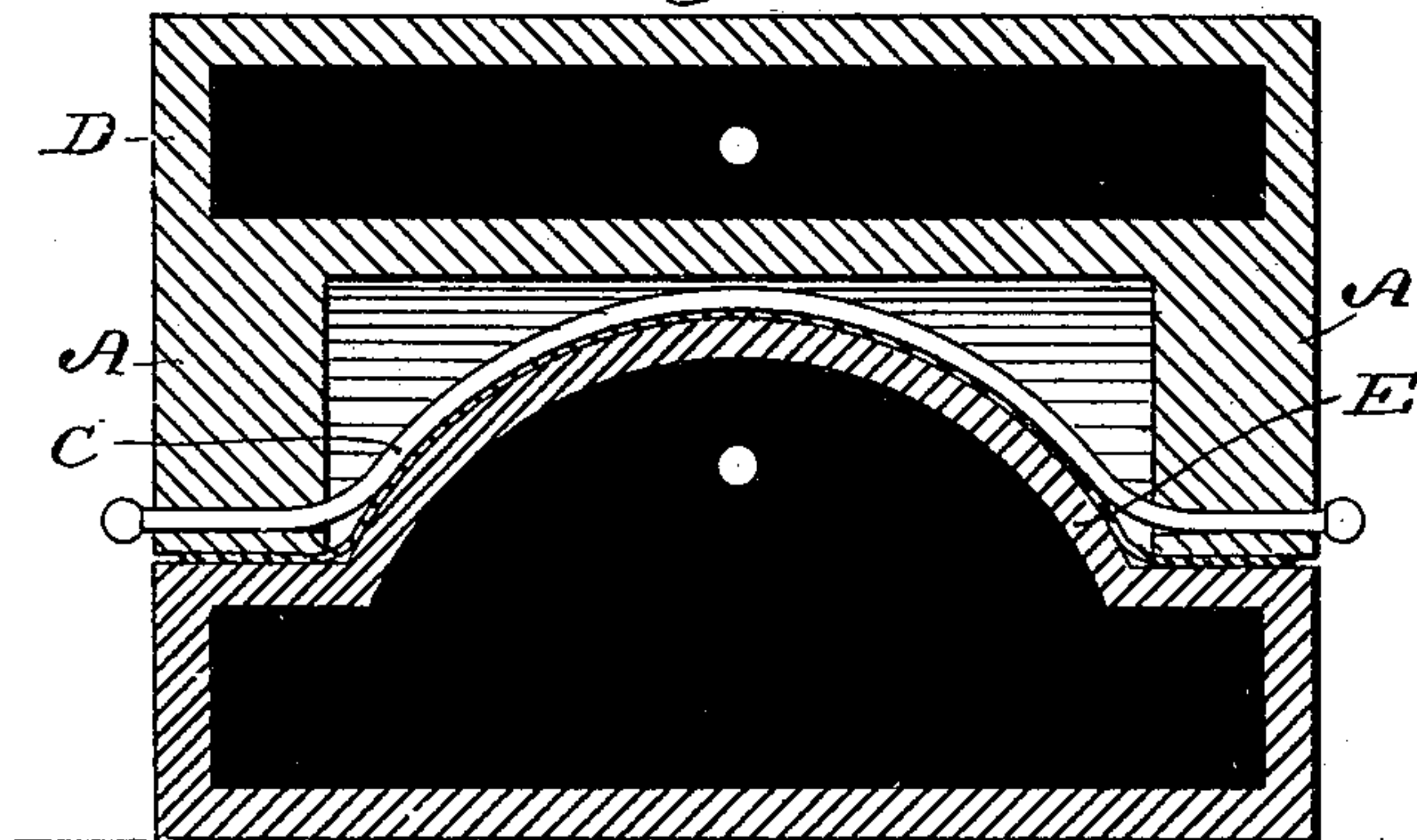
No. 365,070.

Patented June 21, 1887.

*Fig. 1.*



*Fig. 2.*



Witnesses  
*S. S. Williamson*  
*E. S. Sumner*

Inventor  
*Alva J. Hiscott*  
By *Smith & Hubbard*  
*Atty's*

(No Model.)

2 Sheets—Sheet 2.

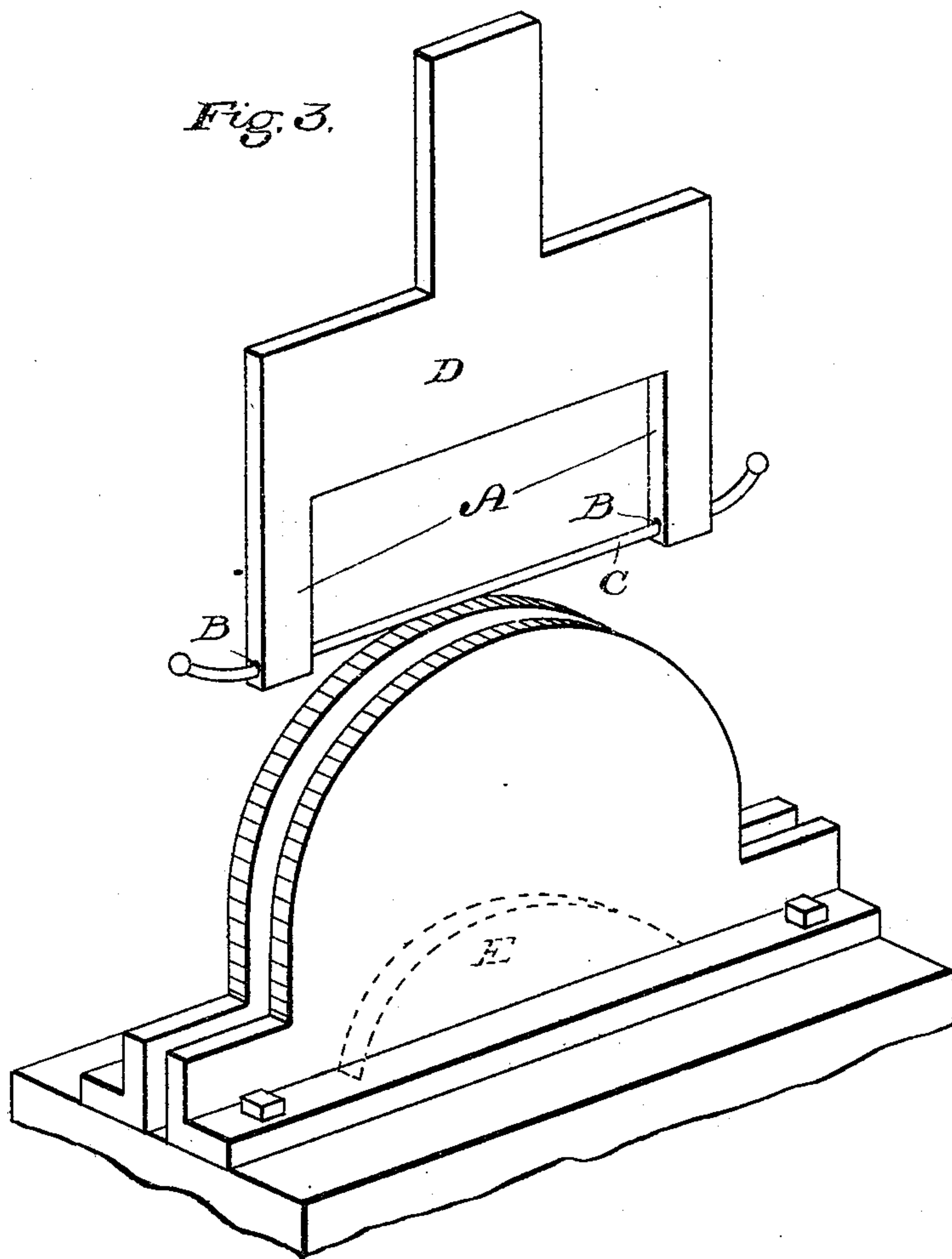
A. J. HISCOTT.

DIE FOR MAKING SEAMLESS DRESS SHIELDS.

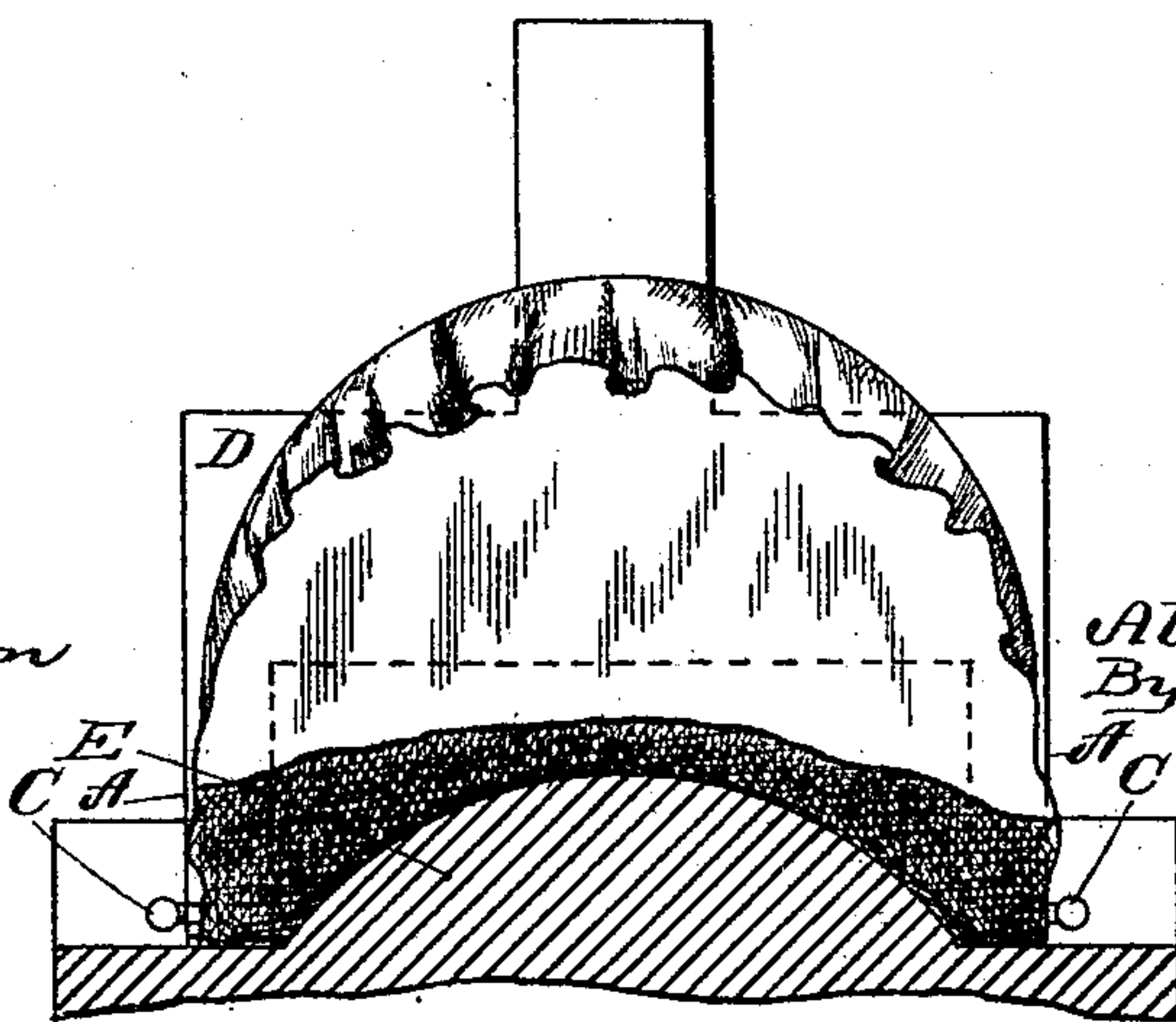
No. 365,070.

Patented June 21, 1887.

*Fig. 3.*



*Fig. 4.*



Witnesses  
*S. Williamson*  
*E. S. Sumner*

Inventor  
*Alva J. Hiscott*  
By *Smith & Hubbard*  
Attys.



# UNITED STATES PATENT OFFICE.

ALVA J. HISCOTT, OF BRIDGEPORT, CONNECTICUT.

## DIE FOR MAKING SEAMLESS DRESS-SHIELDS.

SPECIFICATION forming part of Letters Patent No. 365,070, dated June 21, 1887.

Application filed January 26, 1887. Serial No. 225,532. (No model.)

*To all whom it may concern:*

Be it known that I, ALVA J. HISCOTT, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Dies for Making Seamless Dress-Shields; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain novel and useful improvements in dies for making seamless dress-shields, and has for its object to improve on the construction shown and described in my pending application, Serial No. 224,859, filed January 20, 1887, for Letters Patent for "improvement in the manufacture of seamless dress-shields;" and with these ends in view my invention consists in certain details of construction and combination of elements, hereinafter fully set forth, and then specifically designated by the claims.

In order that those skilled in the art to which my invention appertains may fully understand its construction and operation, I will proceed to describe the same in detail, referring by letter to the accompanying drawings, forming a part of this specification, in which—

Figure 1 shows a perspective of a pair of dies for making seamless dress-shields, the male die being constructed in accordance with my improvement; Fig. 2, a central vertical section showing the shield between the compressed dies; Fig. 3, a perspective showing a different kind of dies, such as are commonly used in stretching the fabric into the desired shape, the male die being constructed in accordance with my improvement; and Fig. 4, an elevation, partly broken away, showing the fabric as shaped by these last-named dies.

Similar letters denote like parts in all the figures of the drawings.

I will not enter into any description of the dies, as they are constructed and operated precisely in the same manner as the dies shown in my aforesaid pending application. In this said application I showed and described a male shaper in which two depending legs performed the function of the usual crescent-formed shaper. In the present improvement I form the male shaper with legs A in the

same manner as in said application. B are perforations through said legs, and C is a spring-wire extending through said perforations and projecting beyond the legs. As the male die descends the spring-wire will strike the fabric and gradually enwrap the same and hold it firmly against the convex surface of the female former E, as shown at Fig. 2.

In Fig. 3 I have shown the style of dies used in the manufacture of seamless dress-shields, when the latter are stretched into shape, with the exception that the male die D is constructed in accordance with my improvement, and therefore does not have the usual crescent formed shaper.

While my improvement does away with the usual crescent-formed shaper, still it possesses all the advantages that such a shaper may afford, in that it presses the fabric firmly against the convex surface of the female die, whereby the vulcanization along the upper or crescent-formed part of the shield is more perfect, since the curve is sharper and better defined.

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

1. In an apparatus for making seamless dress-shields, the combination, with the female die, of the male die having two legs depending from the sides thereof, and a spring-wire extending through perforations in said legs, whereby when the male die is depressed the wire will enwrap the fabric firmly against the convex surface of the female die, substantially as set forth.

2. In a machine for making seamless dress-shields, the combination, with a female die having a convexity corresponding to the crescent shape of the completed shield, of a male die having attached thereto a horizontal flexible or spring shaper whose area is equal in extent to that of said convexity, whereby at the descent of the male die said shaper will adapt itself closely to said convexity, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ALVA J. HISCOTT.

Witnesses:

S. H. HUBBARD,  
S. S. WILLIAMSON.