

(No Model.)

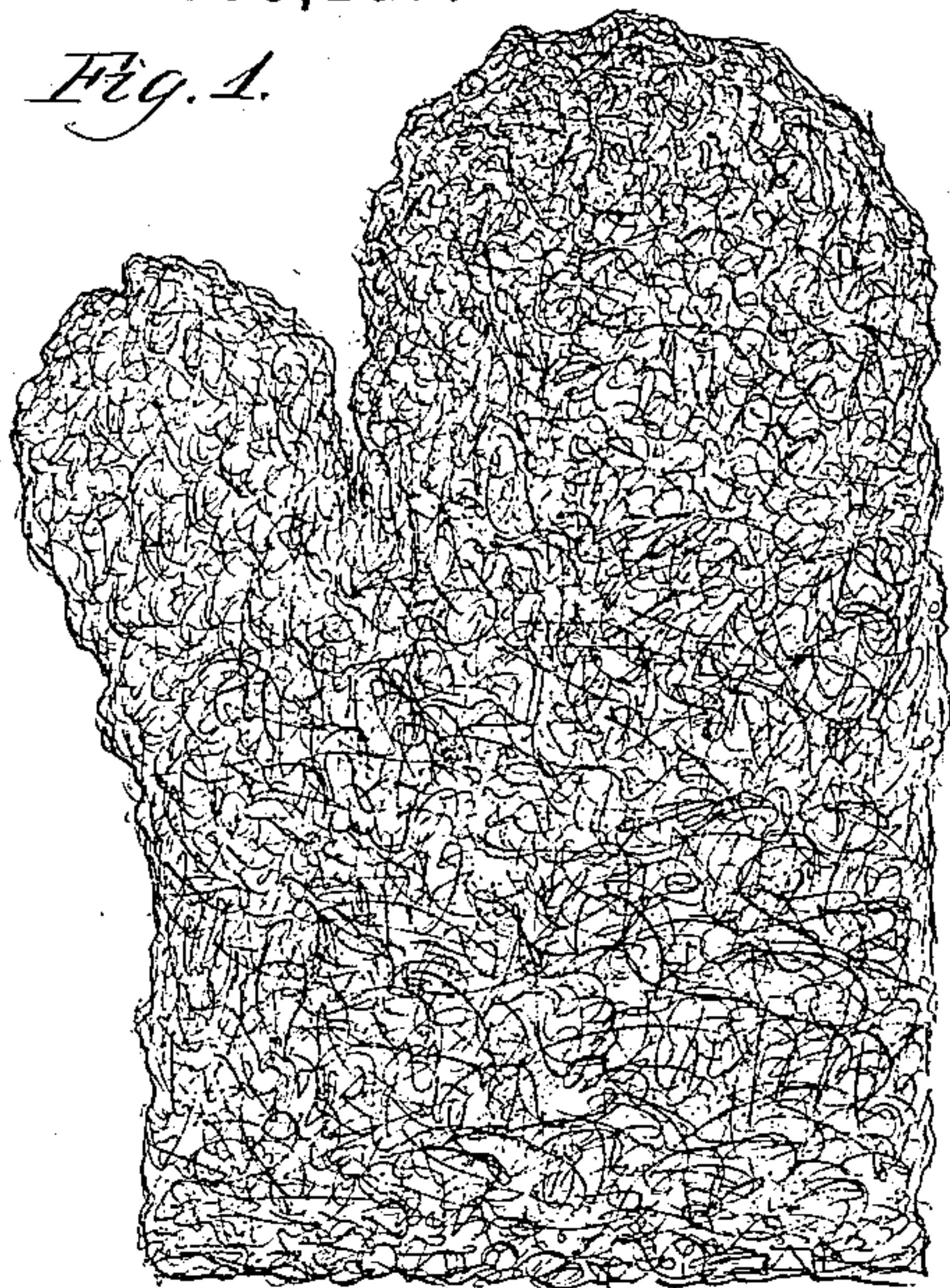
D. BEATTY.

MANUFACTURE OF FELTED MITTENS AND GLOVES.

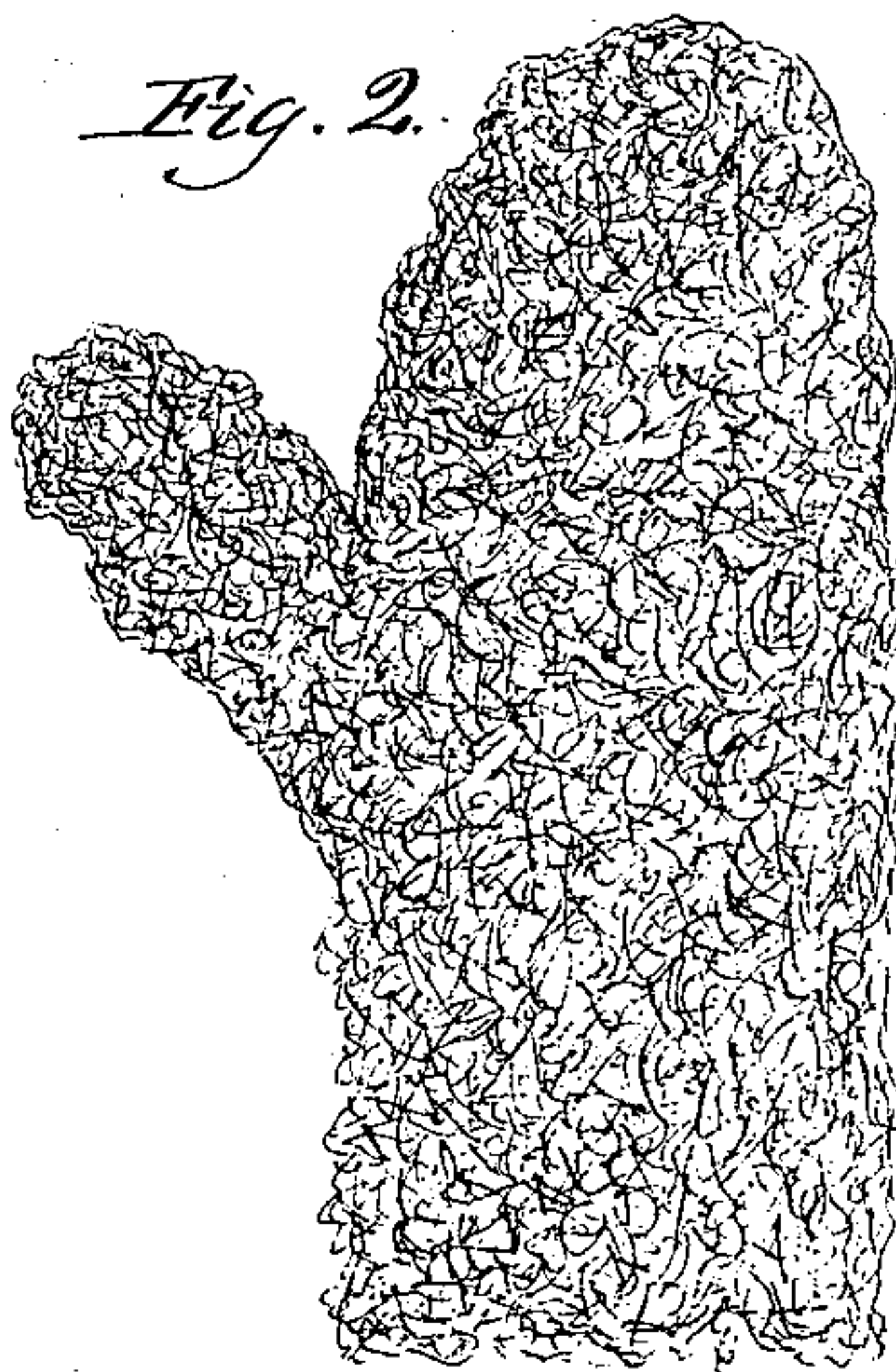
No. 333,101.

Patented Dec. 29, 1885.

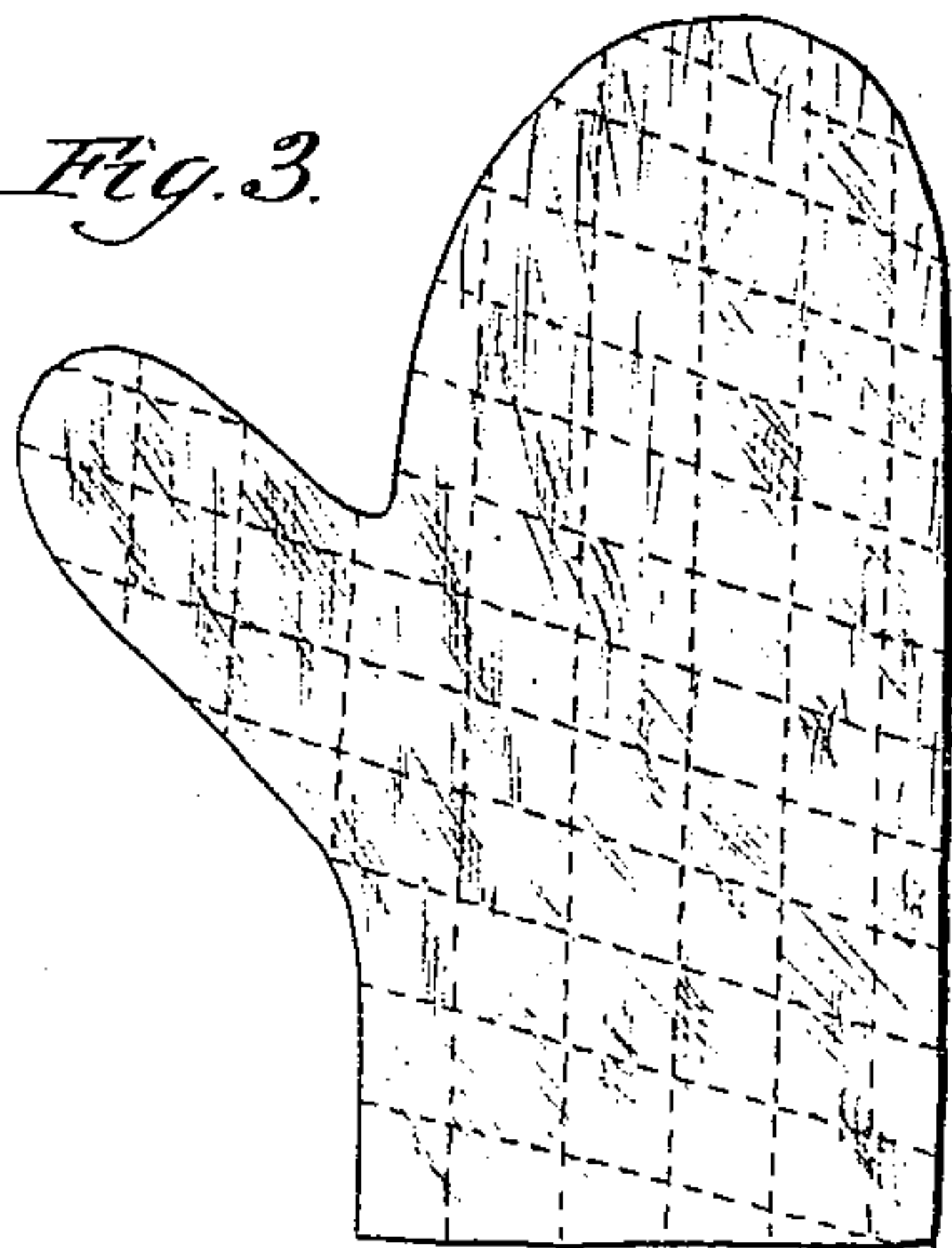
*Fig. 1.*



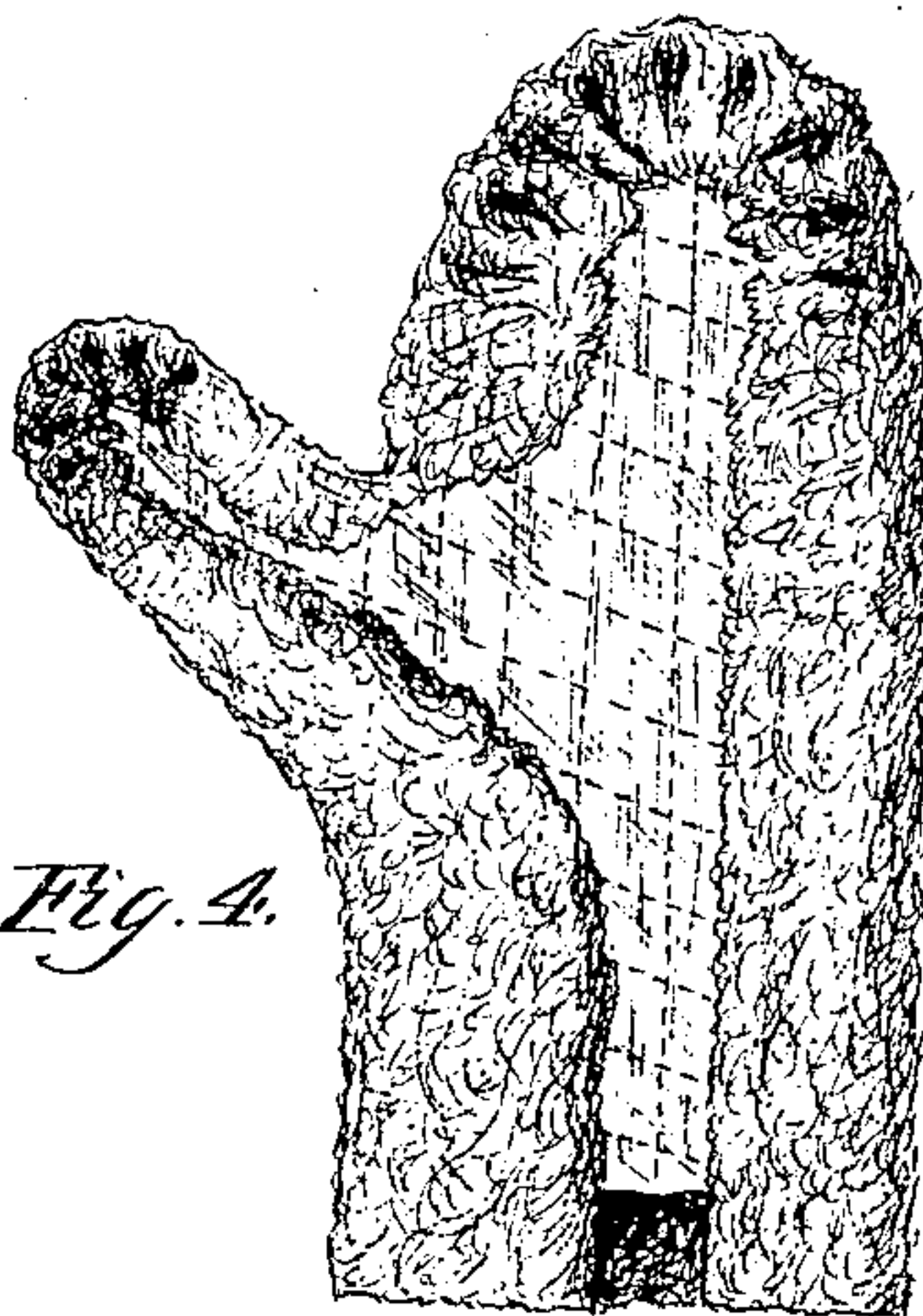
*Fig. 2.*



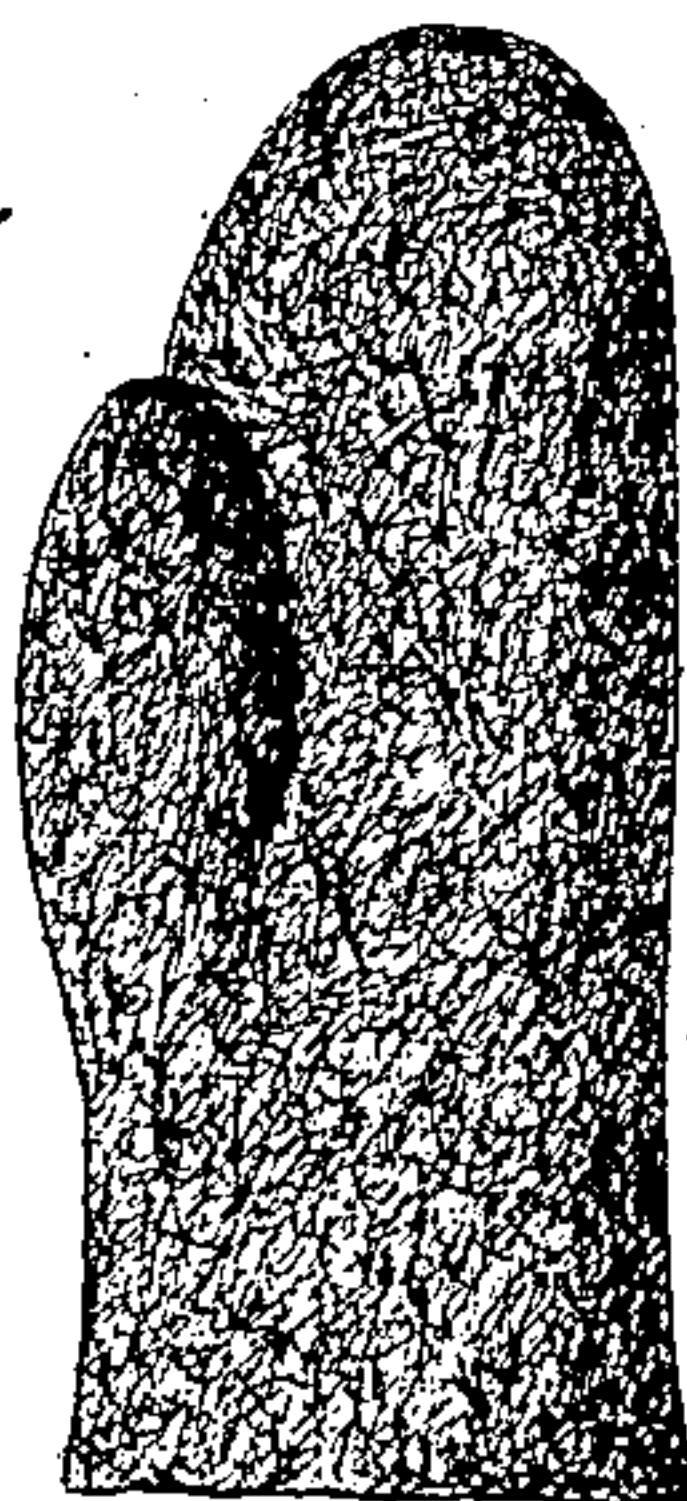
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



WITNESSES—

*F. B. Townsend*

*Chas. C. Gaylord.*

INVENTOR—

*Alamster Beatty*  
*Ray, Apfield & Sewell*  
*Attorneys,*



# UNITED STATES PATENT OFFICE.

DEMPSTER BEATTY, OF MISHAWAKA, INDIANA.

## MANUFACTURE OF FELTED MITTENS AND GLOVES.

SPECIFICATION forming part of Letters Patent No. 333,101, dated December 29, 1885.

Application filed June 12, 1882. Serial No. 63,999. (No specimens.)

*To all whom it may concern:*

Be it known that I, DEMPSTER BEATTY, a citizen of the United States, residing at Mishawaka, in the county of St. Joseph and State of Indiana, have invented a certain new and improved manufacture in that class of goods commonly known in the art as "Hollow Felted Goods;" and I do hereby declare that the following is a description of my invention sufficient to enable those skilled in this department to fully understand the manufacture of the same.

My invention relates to the production of seamless felted mittens and gloves in a peculiar manner, and to the same as a new article of manufacture when so made.

I am aware that Letters Patent have been issued for the manufacture of hollow felted articles, including boots and shoes; but no one, to my knowledge, and I have given the matter much research, has ever conceived or in any manner applied my invention as herein set forth.

I have illustrated my invention by the accompanying drawings, (which show the same as applied to the making of mittens,) forming a part of this specification, in which—

Figure 1 is a view of the bat used by me to form the front sides and a portion of the back of the mitten. Fig. 2 is a view of the bat used by me to form the back of the mitten. Fig. 3 is a view of the pattern or former used by me in shaping the mitten. Fig. 4 is a view of the bat, Fig. 1, with the pattern or former, Fig. 3, placed thereon and the edges of the bat turned back ready to receive the second bat, Fig. 2. Fig. 5 is a view of the completed mitten.

Like letters refer to like parts in the different views.

In the manufacture of mittens as invented by me I first prepare a bat of the proper form and size, as in Fig. 1. On this bat I place the pattern or former, Fig. 3. The edges of the bat, Fig. 1, are then brought back over the pattern, Fig. 3, in such a manner that the said edges will nearly but not quite meet, as seen in Fig. 4. These edges are then (or have previously been) chamfered and reduced in thickness. The second bat, Fig. 2, having also been chamfered, if preferred, is then placed upon the former or pattern and firmly felted

to the first bat, Fig. 1. Both bats being thus felted and hardened, the pattern or former is then withdrawn and the mitten fulling in the ordinary manner, and so brought to the proper size.

I use ordinary wool in making mittens of the description mentioned. As will readily be seen, it will be preferable to use long wool when the same can be obtained.

The pattern or former which is used in shaping the mittens may be of any suitable material—such as wool, leather, or cotton cloth. I prefer, however, a former made by stitching together a suitable number of thicknesses of cotton cloth. I prefer also to so prepare the edges of both bats that the back of the mitten, or that part of the mitten covering the back of the hand, shall be of uniform thickness with that part of the mitten covering the inside or palm of the hand.

It will be readily seen from the foregoing description relating to the manufacture of mittens that my invention, when applied to the manufacture of gloves, requires no change, except in the shape of the bats and former, the treatment being the same.

I am aware that it has been proposed to make other articles than mittens and gloves of seamless felt—such as boots and shoes—and I do not claim them.

What I claim is—

1. The production of seamless felted mittens and gloves by the use of bats of felted wool of the form of the hand, but of greater size, one bat being placed over the other, the placing between these bats of a pattern or former smaller than one or both of said bats and of the shape of the hand, but of larger size, and the felting and hardening of the bats while in this position, the withdrawing of the pattern or former, and the fulling in the ordinary manner, and by such fulling the mitten or glove being brought to the proper size, substantially as set forth.

2. As a new manufacture, seamless felted mittens and gloves made substantially as described.

3. The process of making seamless felted mittens and gloves, which consists in uniting, by felting together their edges, two bats of felted wool over a former larger than the hand, hardening and felting the bats upon the former,

withdrawing the former, and then fulling the felt in the ordinary manner until by such fulling the mitten or glove is reduced to its proper size, substantially as set forth.

- 5 4. As a new article of manufacture, felted mittens and gloves made of two bats of felted wool, one bat, constituting the front or palm,

being felted into the other bat, which latter bat constitutes the body of the mitten or glove, substantially as described.

DEMPSTER BEATTY.

Witnesses:

THOMAS NORMUR,  
JACOB WARD.