

No. 610,187.

Patented Sept. 6, 1898.

G. C. LEONARD.  
MUFF.

(Application filed Dec. 20, 1897.)

(No Model.)

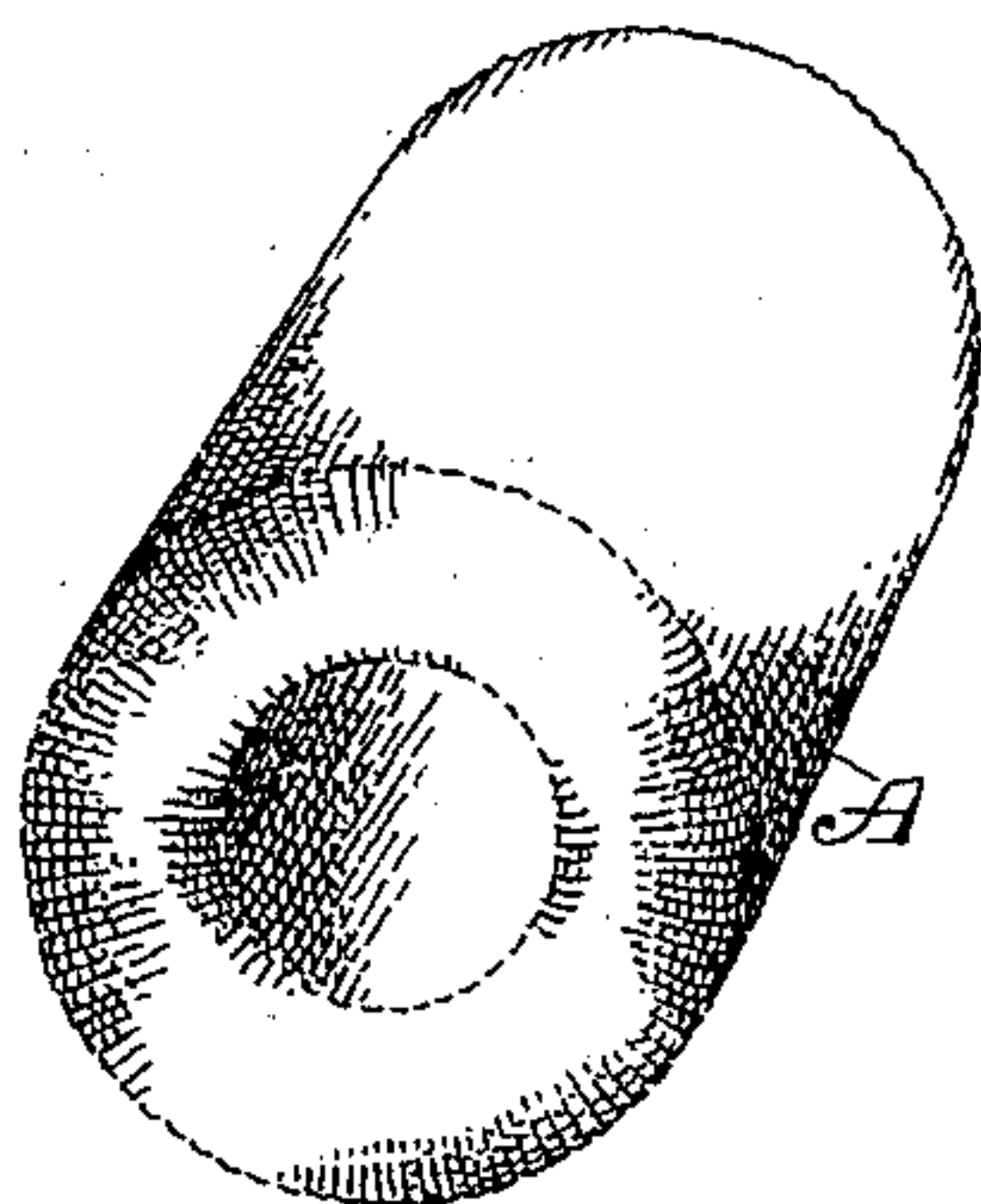


Fig. 1.

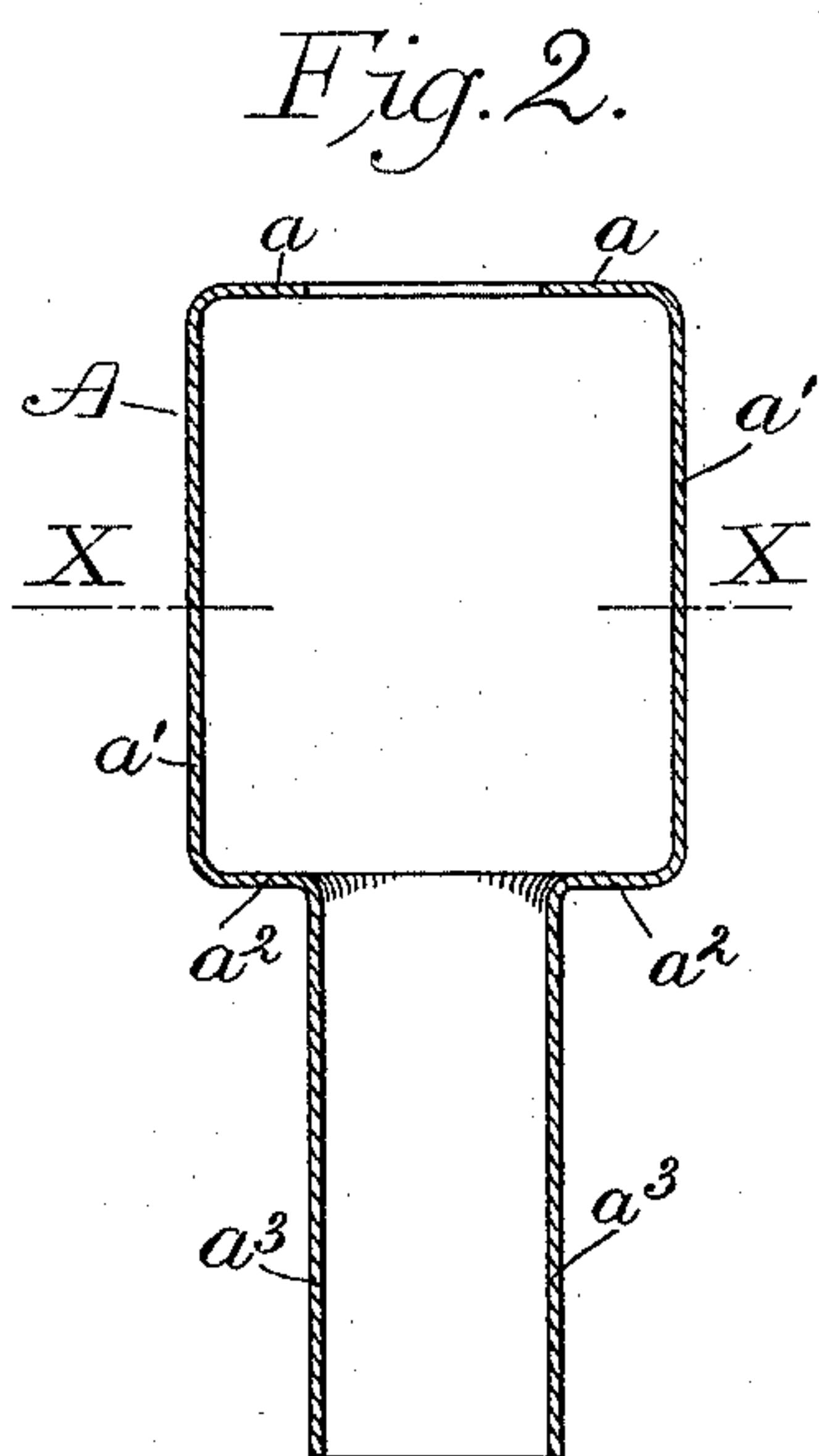


Fig. 2.

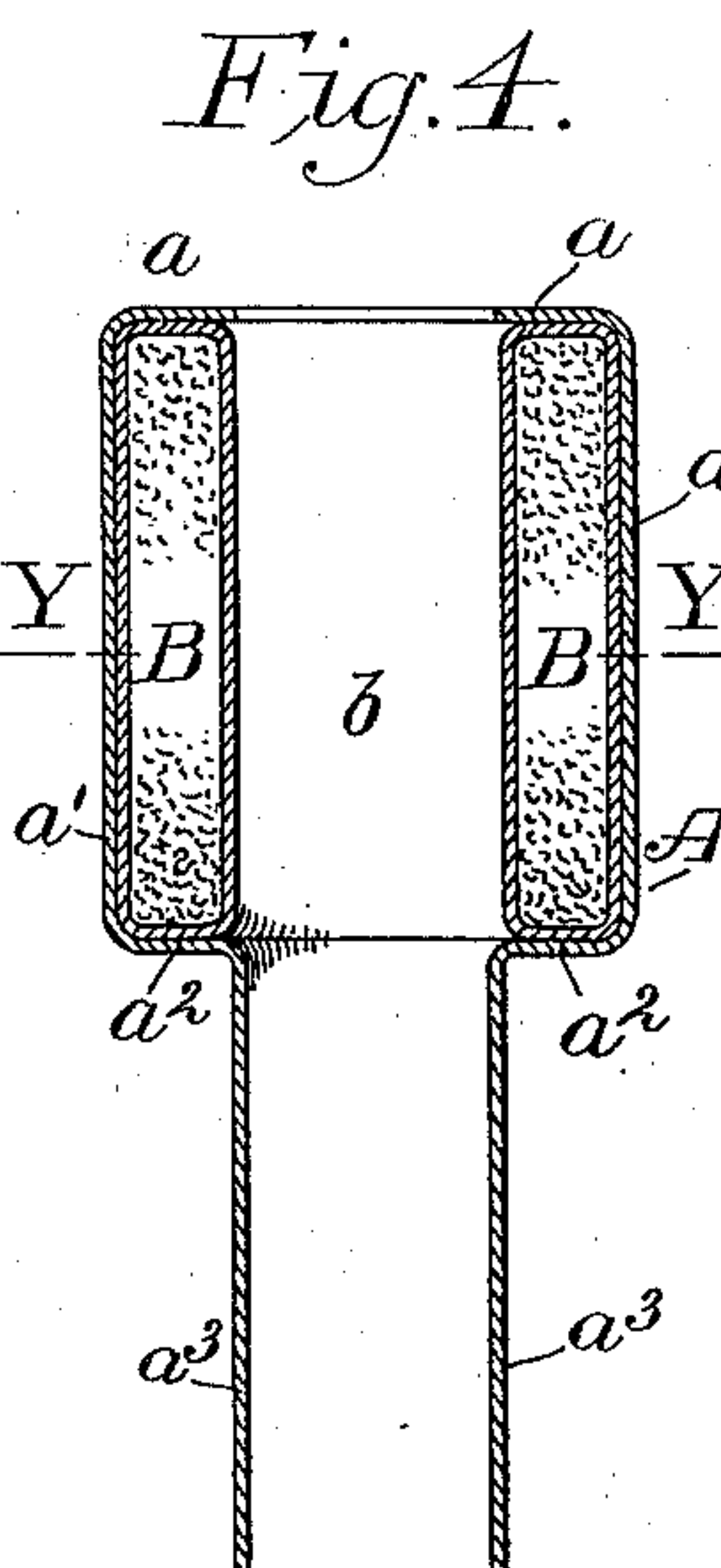


Fig. 4.

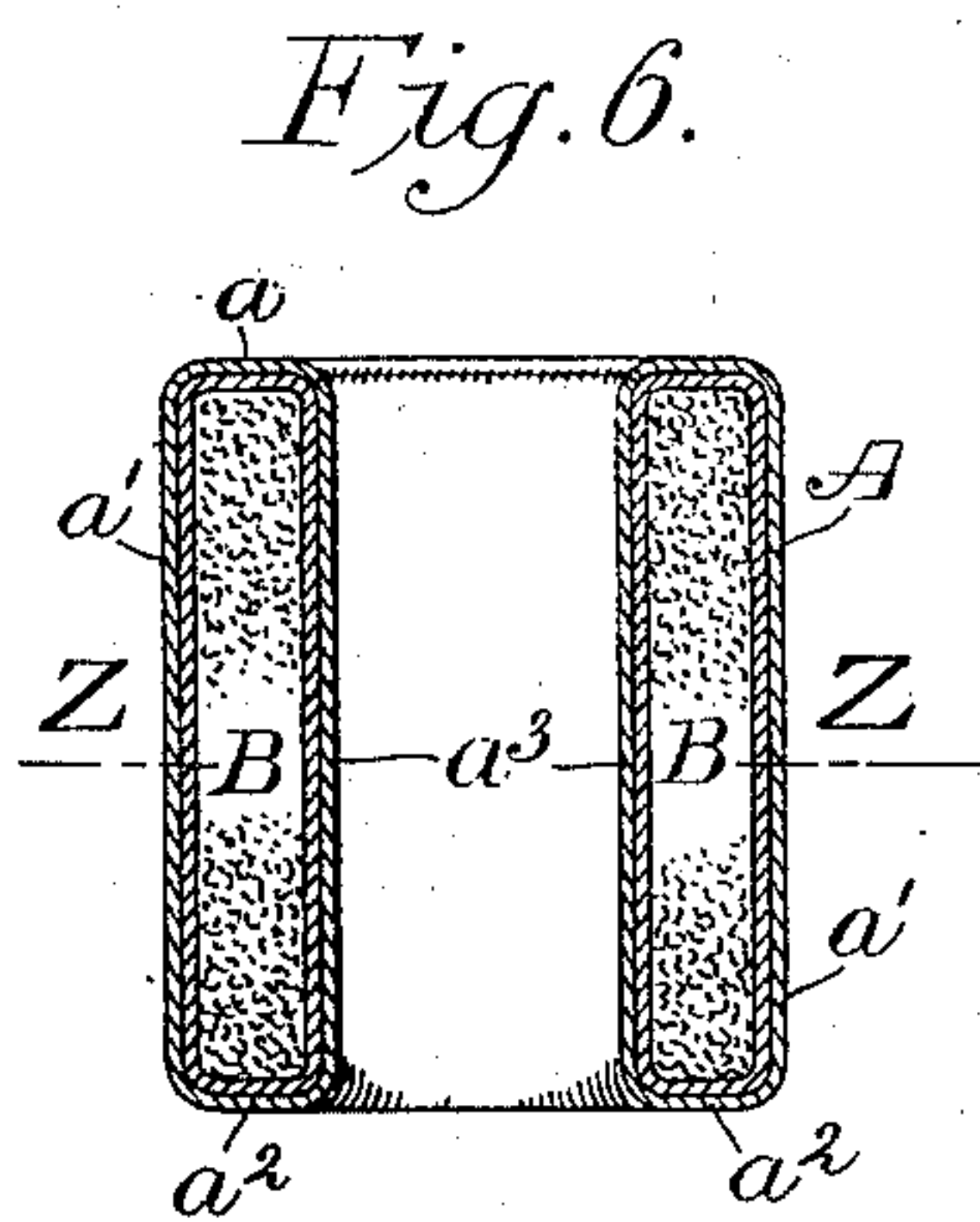


Fig. 6.

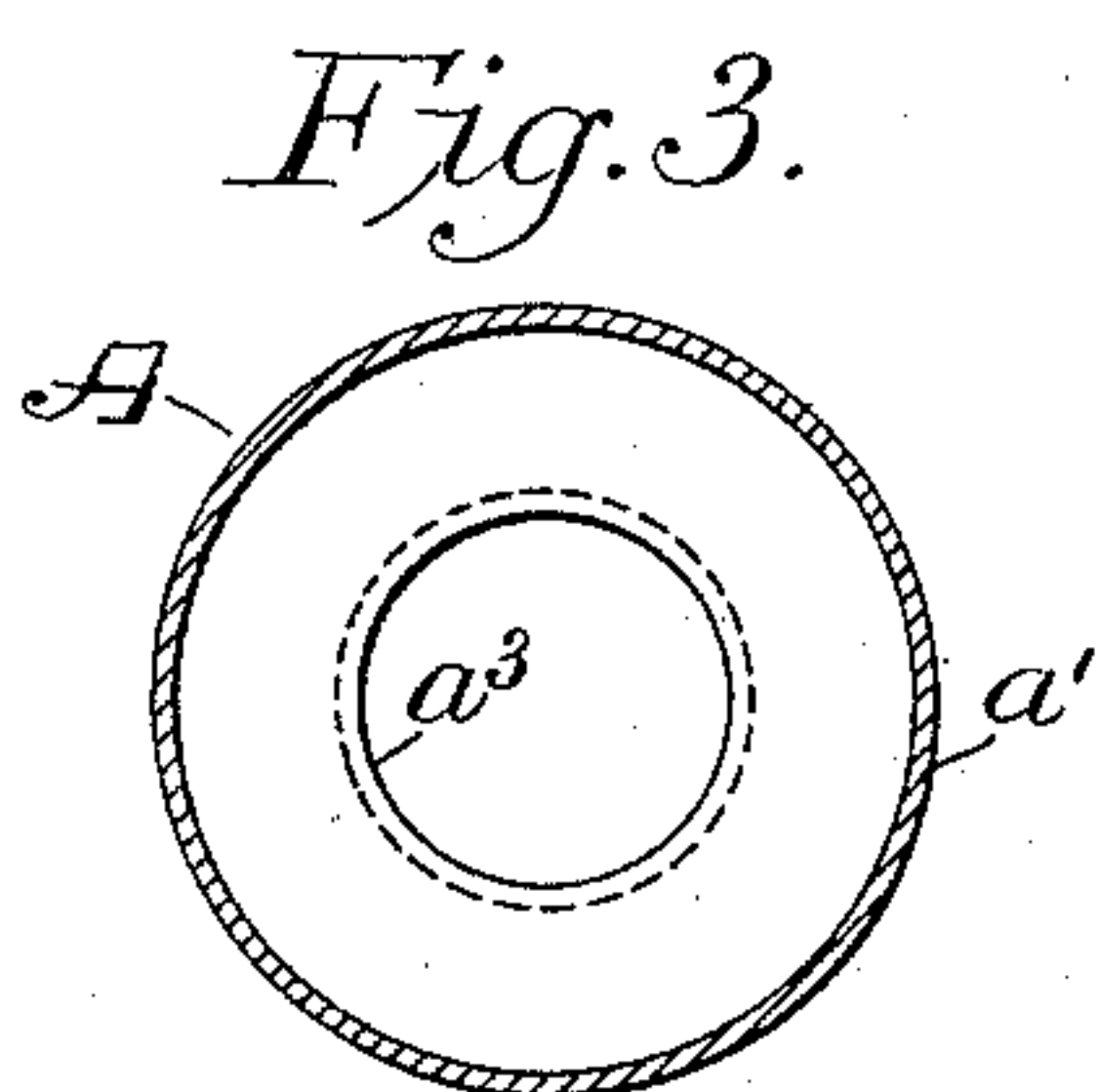


Fig. 3.

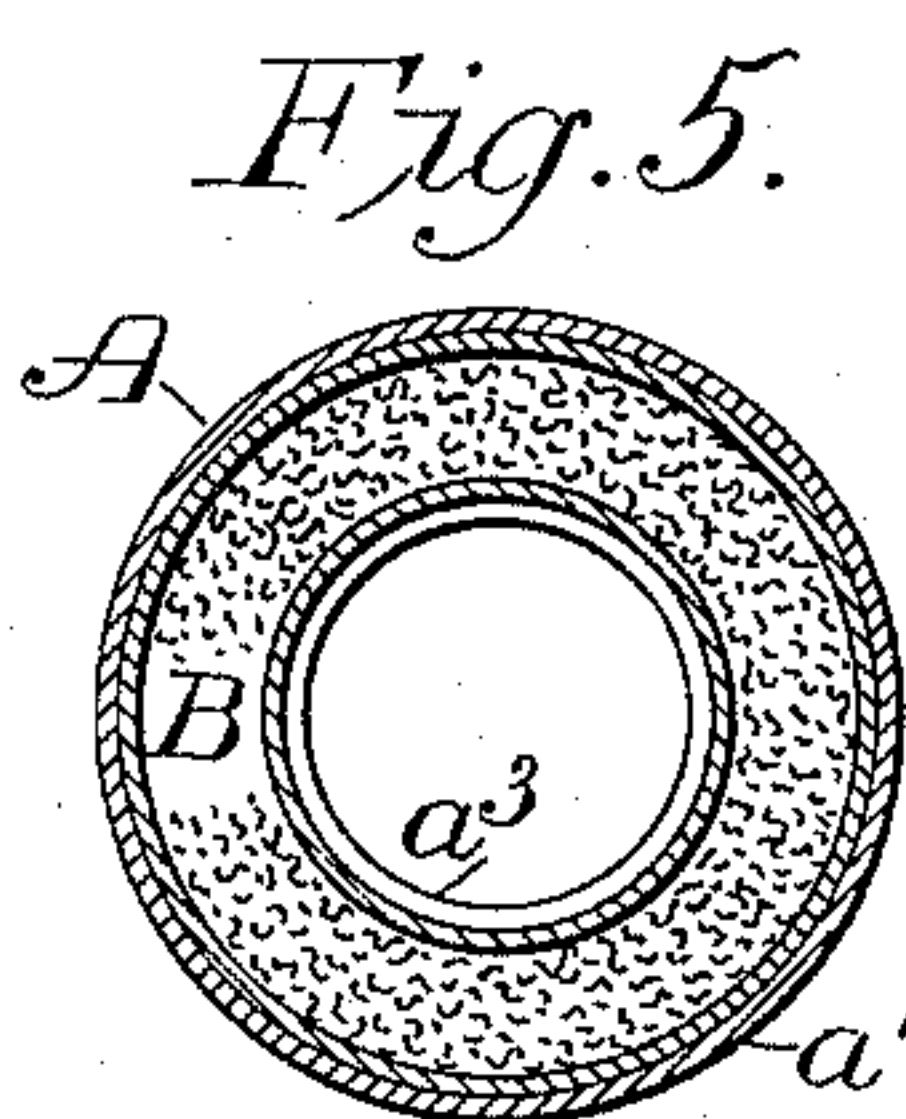


Fig. 5.

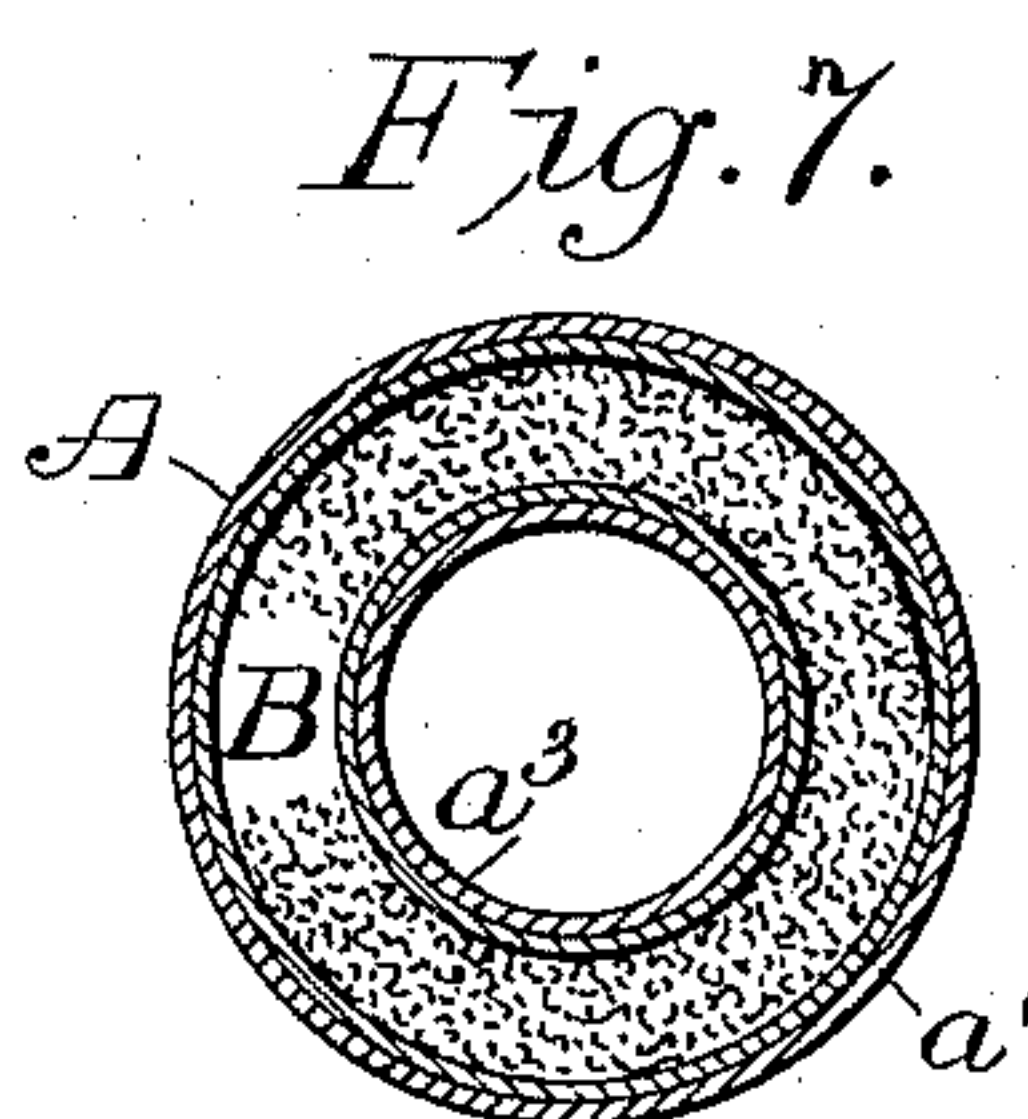


Fig. 7.

Witnesses:

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# UNITED STATES PATENT OFFICE.

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## MUFF.

SPECIFICATION forming part of Letters Patent No. 610,187, dated September 6, 1898.

Application filed December 20, 1897. Serial No. 662,765. (No model.)

*To all whom it may concern:*

Be it known that I, GARDNER C. LEONARD, a citizen of the United States, residing in the city and county of Albany, State of New York, have invented a new and useful article of manufacture consisting of a Muff, of which the following is a specification.

My invention relates to wearing-apparel; and the object of my invention is to provide a hand-muff constructed of knitted material which shall have but one seam therein. I accomplish this object in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a perspective; Fig. 2, a longitudinal section before the filler is inserted. Fig. 3 is a cross-section along the lines X X on Fig. 2. Fig. 4 is a longitudinal section after the insertion of the filler. Fig. 5 is a cross-section along the line Y Y on Fig. 4. Fig. 6 is a longitudinal section after the insertion of the filling and when the extreme end of the fabric has been drawn through the opening and secured in position. Fig. 7 is a cross-section along the line Z Z on Fig. 6.

Similar letters refer to similar parts throughout the several views.

In the ordinary method of constructing round muffs for ladies' use fur and other materials have been employed and arranged and held in position by uniting the adjacent parts, causing several seams. After more or less use rips or tears are apt to occur in the seams, rendering the muff objectionable. Along the edges of the fur or fabric, which are united with adjacent edges of corresponding fur or fabric, there is usually very apt to be a wearing off of the wool or fur, which makes it very difficult to so join the different parts of the material comprising the muff that a line of demarcation is not shown. It is also difficult often to join different portions of skin or fur together for the reason that a difference in color renders such union noticeable. Furthermore, muffs constructed as I have hereinbefore indicated are expensive, requiring skilled labor and great nicety of operation. For the purpose of obviating the difficulties in constructing and the objections to the completed product of the muff in common use I have invented a muff constructed of knitted fabric which will have but one seam, and that one in a place little exposed to sight, and which may be made with little expenditure of money and in wearing be very serviceable.

Referring to the drawings, I construct the outer covering of the muff A by knitting the same in the form illustrated in Fig. 2, thus making a portion  $a$  narrower than the widest part  $a'$ , the more contracted portion  $a$  forming one end of the muff, the wider portion  $a'$  forming the large round portion of the muff. I then contract the knitted fabric and construct a contracted portion  $a^2$  similar to that of  $a$ , then continue in a contracted form the knitted fabric, constructing a portion  $a^3$ . The portion  $a^3$  is of a length from the portion  $a^2$  equal to the length of the portion  $a'$ . Within the muff and that part thereof covered by the portion  $a'$  between the portion  $a$  and the portion  $a^2$  I place the muff-filler B, constructed of cotton-batting or other material placed within a suitable case and having an opening through the center, allowing for the hands of the wearer to be inserted. After the muff-filling B is in position, as shown in Fig. 4, I insert the portion  $a^3$  of the muff-covering A through the opening  $b$  in the filler B and sew the same at the end  $a$  of the muff. The parts of the muff then assume a position illustrated in Figs. 6 and 7.

The manner of knitting the fabric I do not describe, since it may be done by hand or by machinery. The material to be knitted may be any that is capable of this construction, and I do not limit myself to any particular material nor to any method of knitting nor to the form of muff shown. I do not limit myself, however, to the construction illustrated and described in which the part  $a^3$  is made integral with the part  $a^2$ , since the part  $a^3$  may be separately knitted and sewed to the part  $a^2$  as it is sewed to the part  $a$ . The seams at  $a$  and  $a^2$  would be quite out of sight and would be of little injury.

What I claim as my invention, and desire to secure by Letters Patent, is—

The herein-described muff, consisting of an exterior cover, an interior lining and two ends, inclosing a filler, the exterior cover, the interior lining and the two ends consisting of an integral knitted fabric, united together at one of the ends of the muff.

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Witnesses:

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