

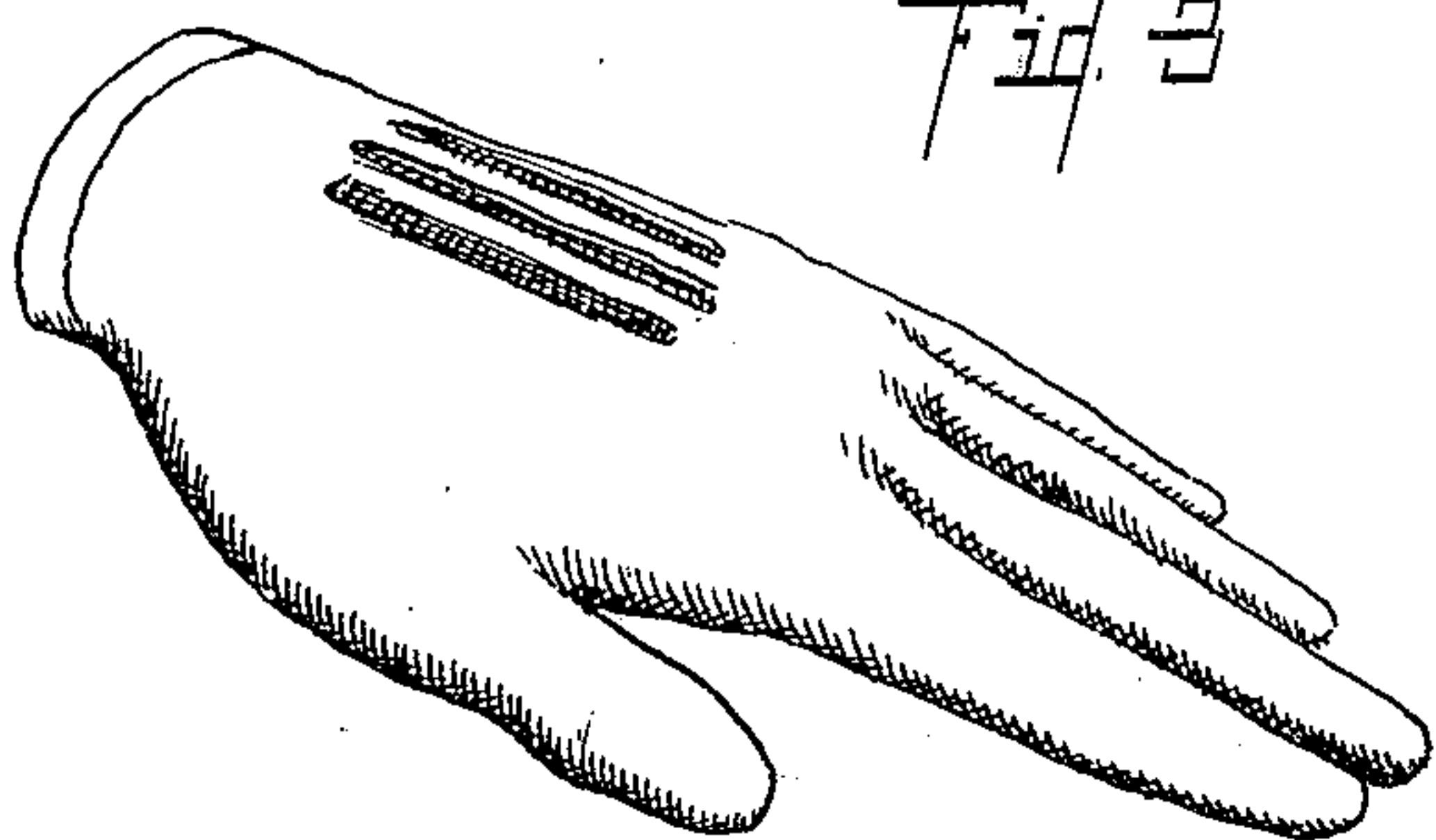
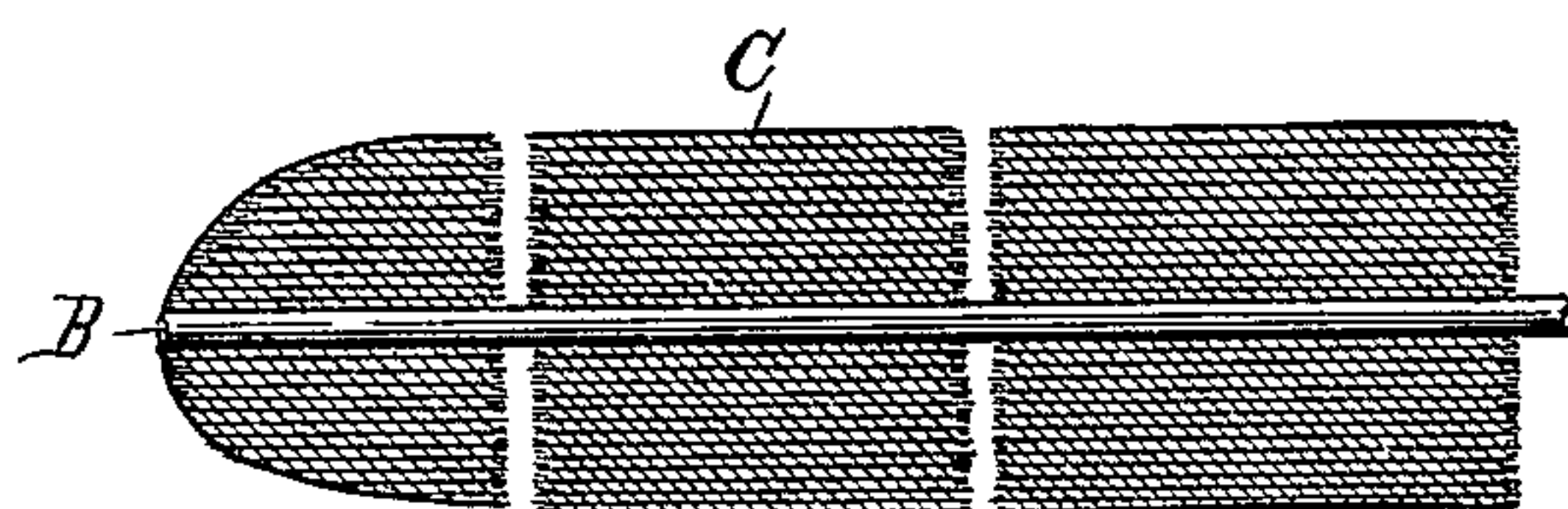
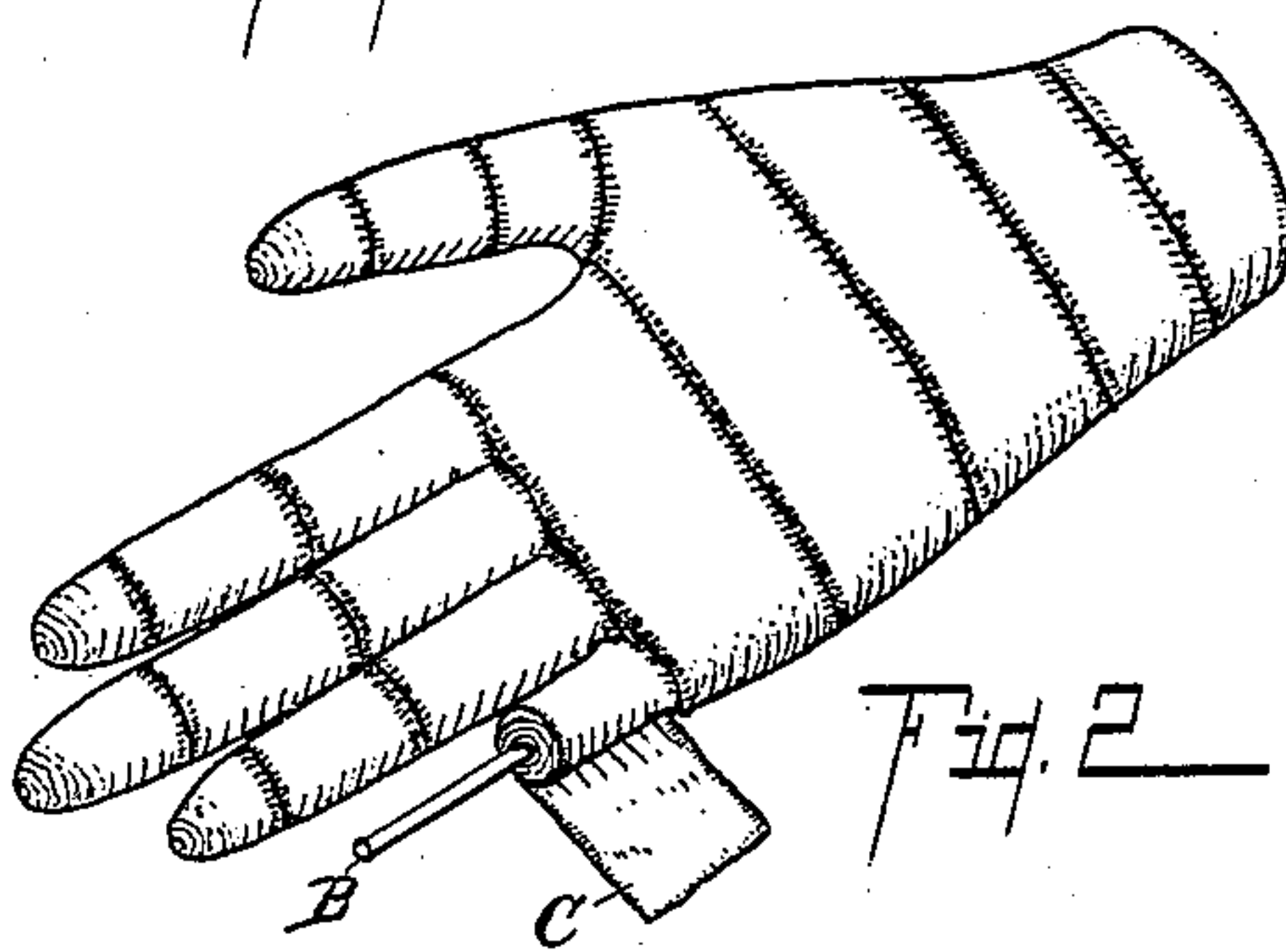
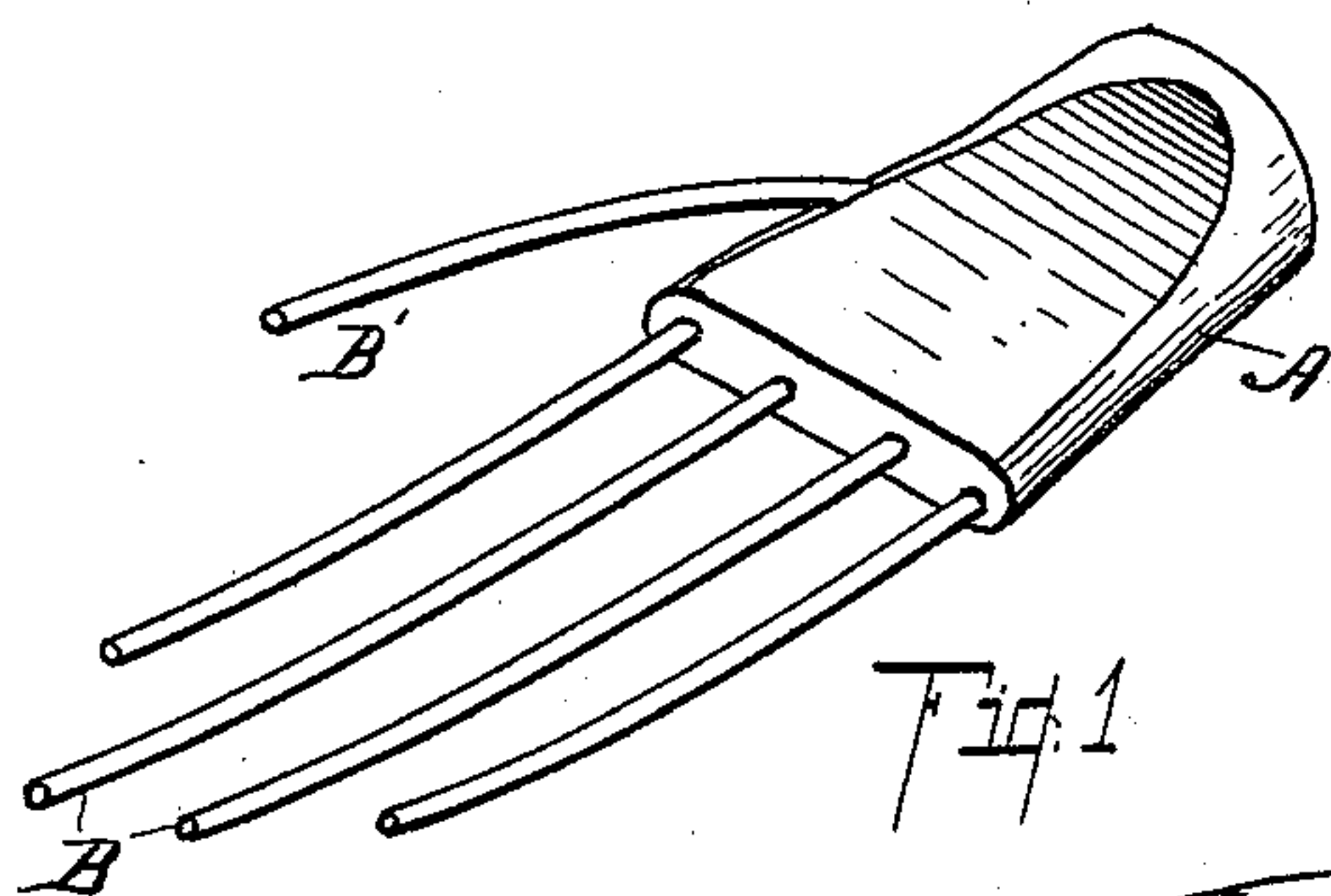
No. 654,265.

Patented July 24, 1900.

H. LYONS.
HAND FOR DISPLAY FORMS.

(Application filed Mar. 8, 1899.)

(No Model.)



Witnesses:

Otis A. Garf
Essa M. Chappell

Fig. 4.

Inventor,

Hugh Lyons
By *Edw. L. Chappell*
Att y.

UNITED STATES PATENT OFFICE.

HUGH LYONS, OF LANSING, MICHIGAN.

HAND FOR DISPLAY-FORMS.

SPECIFICATION forming part of Letters Patent No. 654,265, dated July 24, 1900.

Application filed March 8, 1899. Serial No. 708,269. (No model.)

To all whom it may concern:

Be it known that I, HUGH LYONS, a citizen of the United States, residing at the city of Lansing, in the county of Ingham and State
5 of Michigan, have invented certain new and useful Improvements in Hands for Display-Forms, of which the following is a specification.

This invention relates to improvements in
10 hands for display-forms or dolls and for similar purposes.

The object of this invention is to provide an improved hand in which the digits are made up of sections of material corresponding
15 ing to the length of the phalanges, which are separated at the points where the joints should be located to secure an easy bending of the artificial hands at these points and secure thereby an artistic effect not otherwise
20 easily obtainable.

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

The invention is definitely pointed out in
25 the claim.

The structure is fully illustrated in the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a detail view of the framework
30 or skeleton of my improved hand. Fig. 2 is a detail illustration of the same, showing the method of forming the digits, the outer covering not being shown, which is of course an essential to make the hand complete and satisfactory. Fig. 3 is an enlarged detail longitudinal sectional view of one of the digits,
35 showing the manner in which the sections are formed. Fig. 4 is a perspective view of the finished hand with a suitable covering.

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

Referring to the lettered part of the drawings, A represents the body of a hand, corresponding to the palm thereof. In this are inserted finger-pieces B, consisting of flexible

annealed wire, preferably of soft copper on account of its durability, though, of course, wire of any other metal might be employed. B' is a similar wire forming the center or core
50 of the thumb. The main body or palm is properly padded and filled out in any suitable way, it not being material whether it is flexible or not. The digits are made up of sections C, which are formed of strips of fab-
55 rics of widths corresponding to appropriate lengths of phalanges for the size of hand to be constructed. These are wound upon the central cores separately and slightly separated from each other at their adjacent ends.
60 By this means when the strips are properly wrapped and secured in place and a covering is put over the hand the different digits bend at the proper point, thus giving the hand a very natural appearance and facilitating its
65 manipulation. The annealed-wire cores permit the hand to be bent in any position and returned repeatedly, thus making a very durable hand for the purpose.

The covering can be of any suitable mate-
70 rial and might be a leather glove of the right size, though I prefer a fabric covering and that the same be secured firmly and permanently to the hand, as it prevents any displacement of the parts.

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

A hand for display-forms having fingers made up of central cores of flexible material
80 covered with strips of fabric or the like wound into rolls corresponding to the length of the phalanges; a suitable covering for the same, for the purpose specified.

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

HUGH LYONS. [L. S.]

Witnesses:

HOMER D. LUCE,
MARY C. NICHOLS.