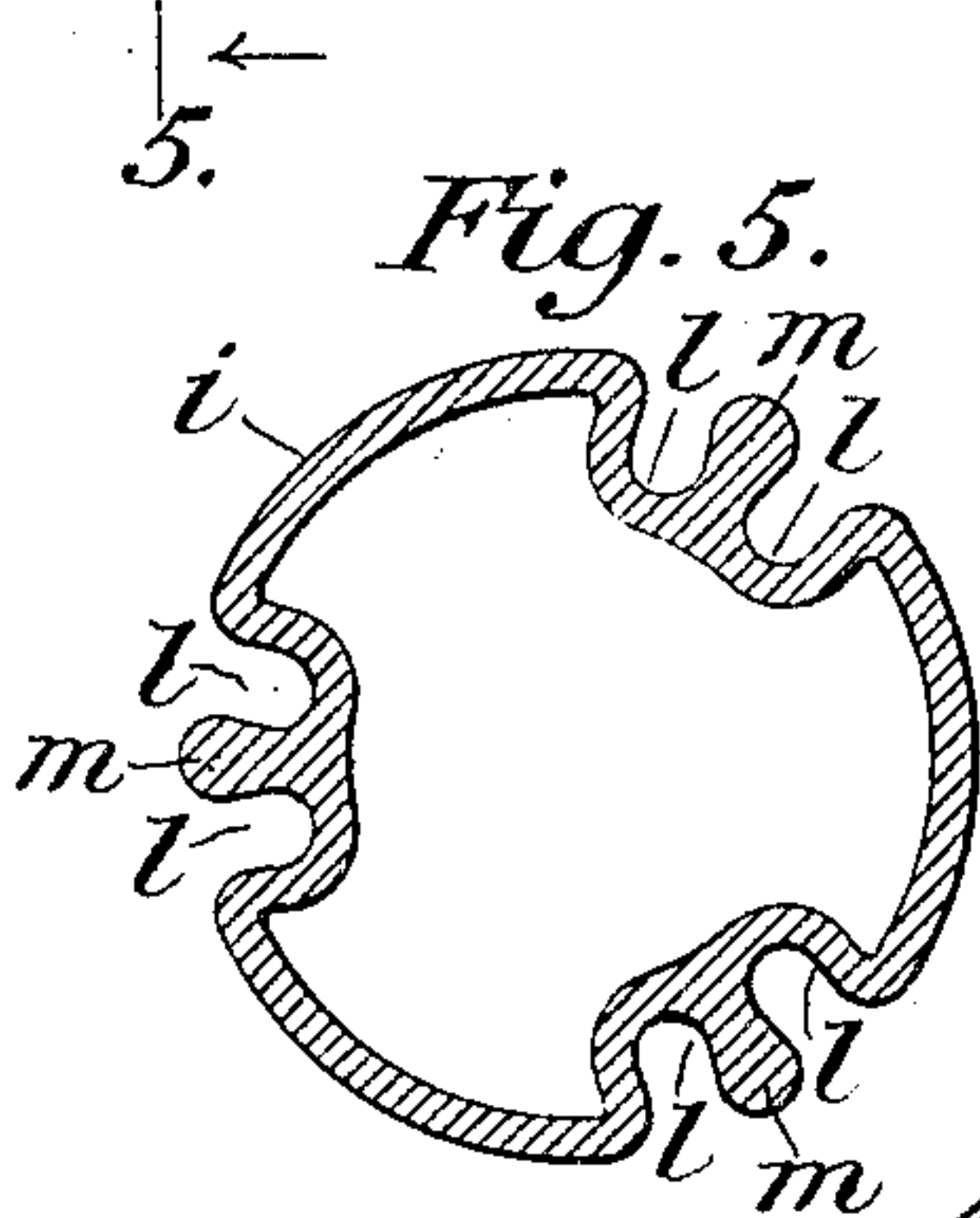
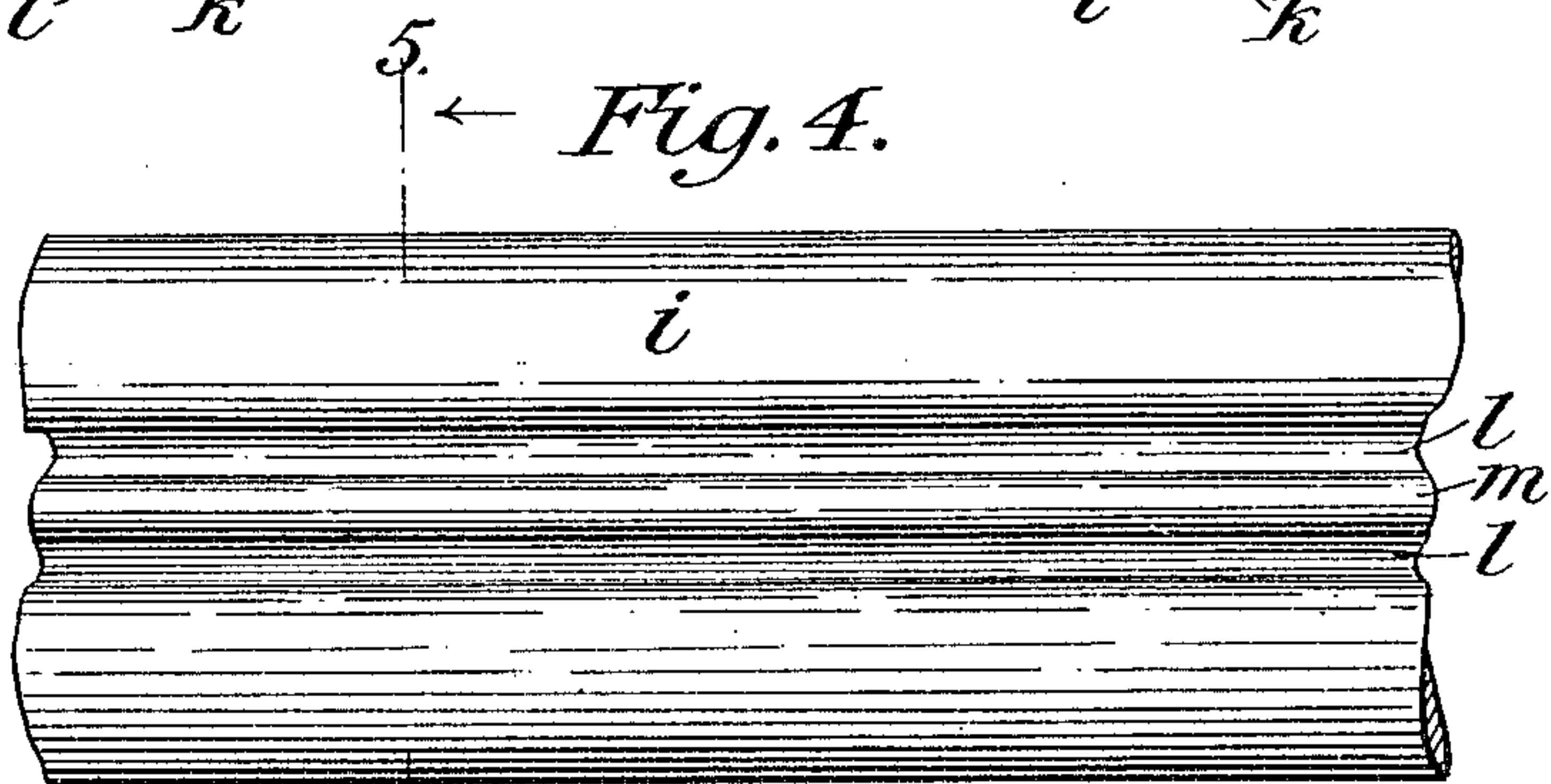
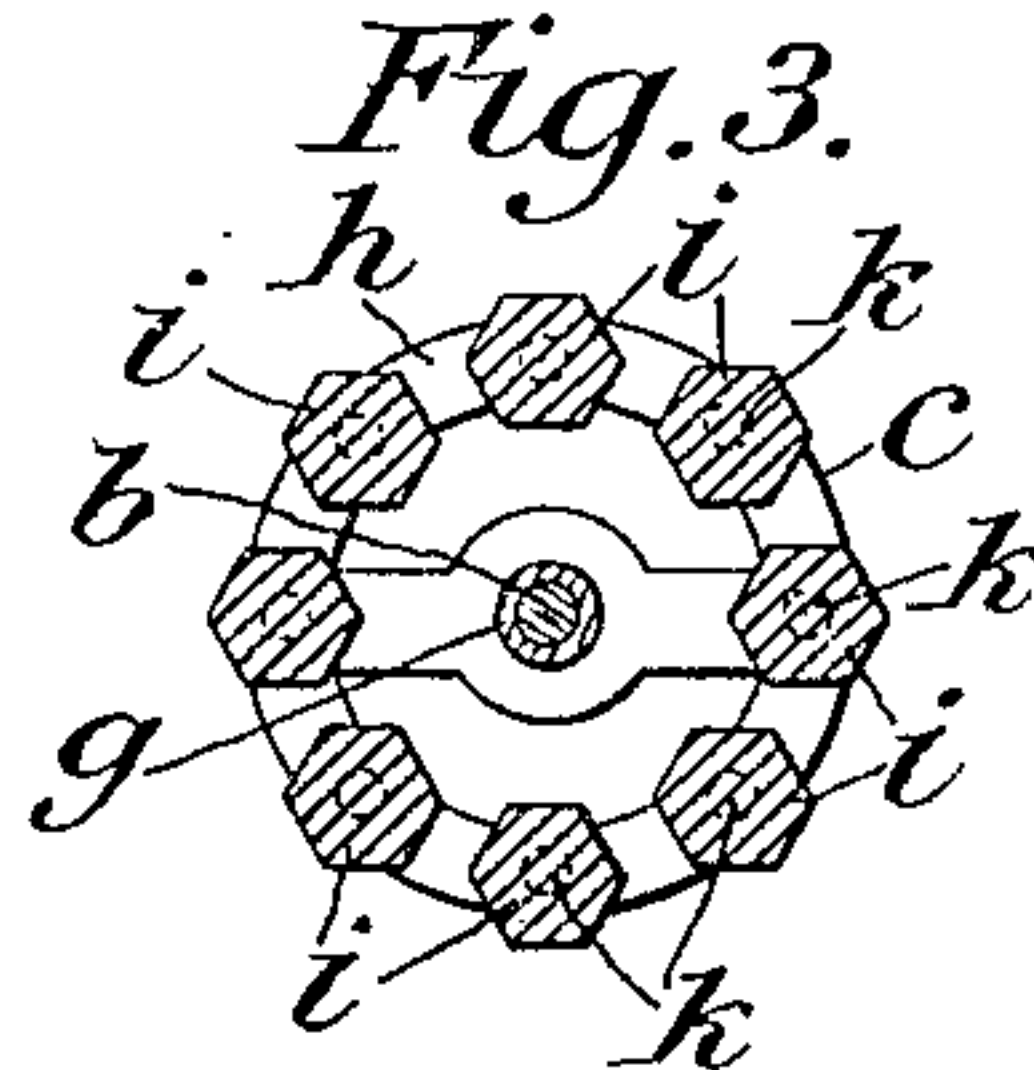
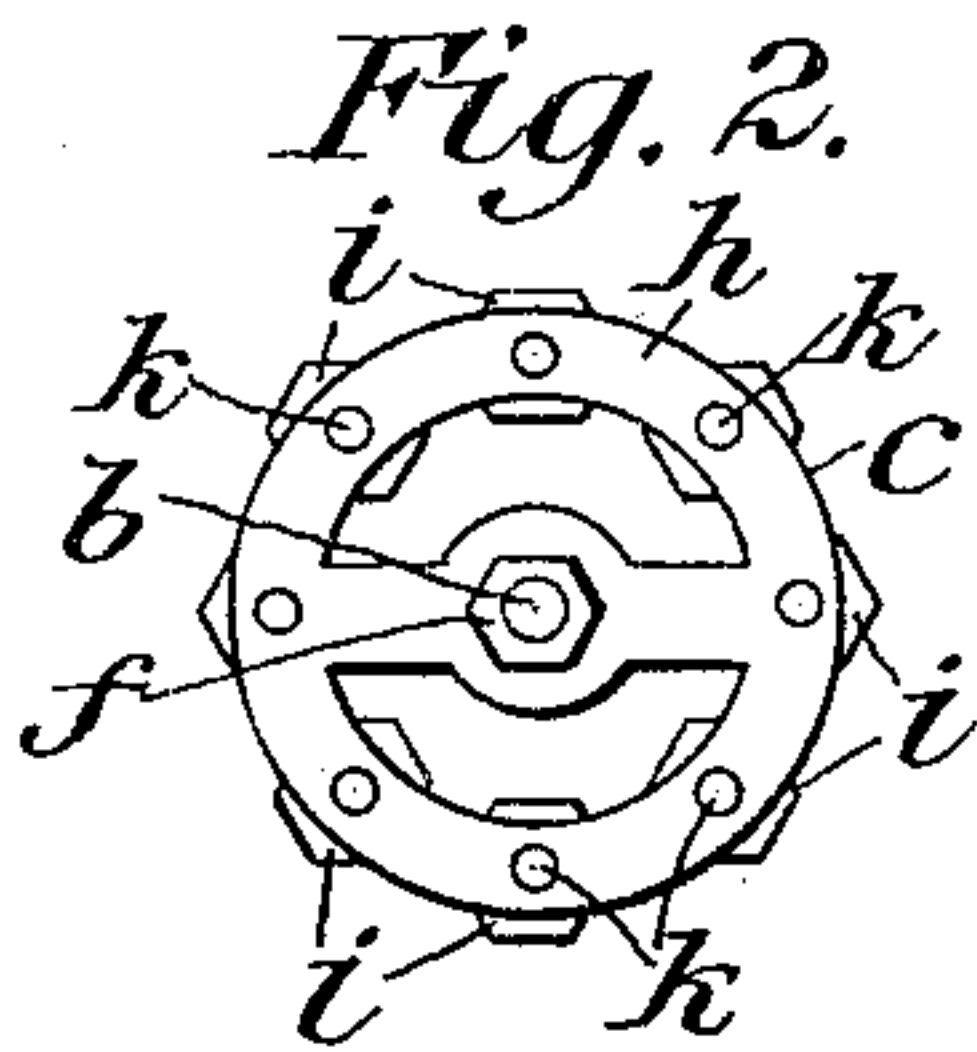
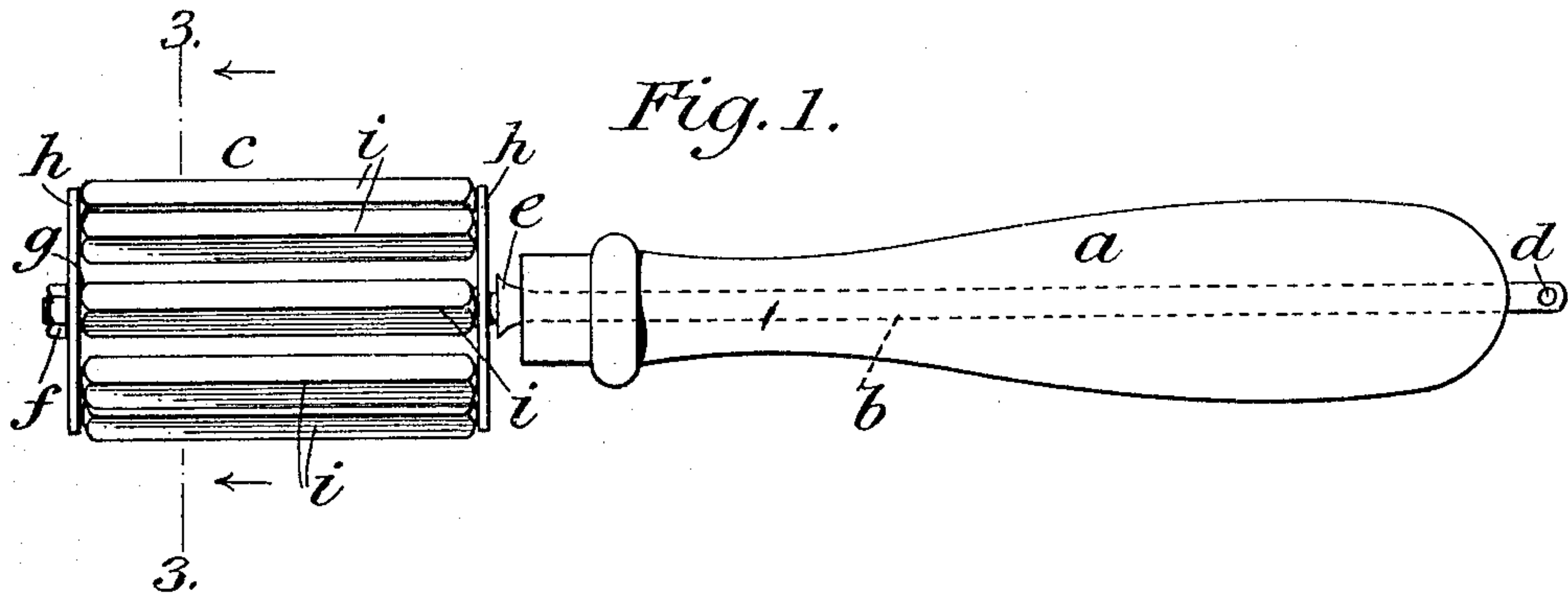


No. 872,126.

PATENTED NOV. 26, 1907.

H. G. HART.
MASSAGE IMPLEMENT.
APPLICATION FILED MAY 15, 1905.



Attest:

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by *W. H. Ross* Atty

UNITED STATES PATENT OFFICE.

HENRY GARFIELD HART, OF MOUNT VERNON, NEW YORK.

MASSAGE IMPLEMENT.

No. 872,126.

Specification of Letters Patent.

Patented Nov. 26, 1907.

Application filed May 15, 1905. Serial No. 260,461.

To all whom it may concern:

Be it known that I, HENRY GARFIELD HART, a citizen of the United States of America, residing at Mount Vernon, Westchester
5 county, in the State of New York, have invented certain new and useful Improvements in Massage Implements; and I do hereby declare the following to be a full, clear, and exact description of the invention,
10 such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming a part of this specification.

15 My invention relates to an implement for massage purposes to be manipulated by hand. It is especially intended for home or for individual use where the services of a professional masseur are not desired or convenient.
20

The apparatus consists of a metallic roller which freely revolves upon a metal rod. The rod passes fixedly through a wooden handle and at one end thereof there is a perforation to admit of attachment to a copper
25 wire or other electric conductor for electric connection, when it is desired to use the same in connection with an electric current, as an electric massage. The electric circuit
30 may be completed in any manner so that the electric current may be applied by the roller when brought in contact with the body.

The metallic roller consists of a frame provided with a number of small rollers each of
35 which freely revolves so as to prevent any friction or rubbing which is objectionable for the reason that it disturbs and displaces the delicate net work of the skin and occasions an undesirable friction-heat. The use of this
40 massage roller which freely revolves in every part thus precludes any bruising, abrading, or disturbance of any part of the structure of the dermis or epidermis.

In the accompanying drawings: Figure 1
45 is an elevation of the complete massage roller. Fig. 2 is an end elevation of the same, looking toward the right of Fig. 1. Fig. 3 is a cross section of the same on the plane of line 3—3 of Fig. 1, looking toward
50 the left. Fig. 4 is a detail elevation on a greatly enlarged scale showing a modification in the contour of one of the small rollers. Fig. 5 is a cross section taken on the plane of line 5—5 of Fig. 4.

55 Referring now particularly to Fig. 1,

which illustrates the complete implement, the metallic bar or rod *b* passes through the wooden handle *a* and carries at one end the metallic roller *c* and at the extreme other end is perforated as at *d*, the bar or rod extending
60 slightly beyond the end of the wooden handle, at which point a copper wire is to be attached for electric connection.

The bar or rod *b* projects from the wooden handle at the other end and is provided with
65 a shoulder or abutment *e* which, with the nut *f* on the extreme end of the rod, serves as the two points between which the revolving of the roller *c* is confined. The rod passes through a hollow cylinder or tube *g* which
70 extends from the center of two disks *h* between which the small rollers *i* are pivoted, the tube and disks constituting a frame for the support of the rollers and in which they may
75 freely revolve. Upon the extreme end of the rod there is a thread upon which the nut *f* is secured. The frame therefore with the revolving rollers freely turns upon the rod between the shoulder *e* and the nut *f* at the end
80 of the rod.

Near its edge each disk *h* is at regular intervals perforated so as to admit of the free revolving of the pins *k* on each end of the small rollers as illustrated by Fig. 2, and the cross-section illustration, Fig. 3.
85

In order to obtain the desired result the skin should be worked or kneaded, and to accomplish this I provide each small roller *i* with a circumference which is angular or interrupted in cross-section, and which may
90 consist of a succession of flat faces forming longitudinal ridges where they meet, as clearly shown in Figs. 2 and 3, or with longitudinal depressions *l* and ribs *m*, as shown in Figs. 4 and 5. It will be observed that as
95 the small rollers are successively pressed upon the body and roll over the same, the tissues yield against the flat faces or depressions, which in connection with the ridges or ribs produce an efficient and gentle kneading
100 of the tissues, without the slightest possible damage to the most delicate skin.

The attachment of the massage roller upon the end of a straight rod necessarily requires the application of the roller to be at right
105 angles with the arm and this enables the person using it to reach any part of the body.

It is evident that the revolving frame might be provided with more rollers than
110 herein shown, and that the surfaces of the

rollers may be provided with a greater number of ridges or depressions than shown, without departing from the spirit of the invention.

It is also evident that the handle upon the
5 rod might be dispensed with when the implement is not used in connection with an electric current, though I prefer a handle as it gives the implement a more finished appearance, and when used with an electric current
10 the handle may be made of non-conducting material such as fiber or hard rubber.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

15 1. In a massage implement the combination of two disks connected centrally by a tube, of a plurality of rollers carried by said disks and capable of revolving between them, a rod upon which said disks may revolve,
20 and a handle for said rod, substantially as shown and described.

2. In a massage implement, the combination of two disks connected centrally by a tube, of a plurality of rollers carried by said
25 disks and capable of revolving between them,

a rod upon which said disks may revolve, a shoulder upon the rod forming an abutment for the disks, a nut upon the end of the rod to hold the disks in place, and a handle for the rod, substantially as shown and described. 30

3. In a massage implement, the combination of two disks connected centrally by a tube, of a plurality of rollers carried by said disks and capable of revolving between them, a rod passing through said disks and tube
35 and upon which they may revolve, a shoulder upon said rod forming an abutment for said connected disks, a nut upon the end of the rod to confine the disks in place, a handle for said rod and means for attachment of an electric conductor whereby an electric current
40 may be passed through the rod, disks and rollers, substantially as shown and described.

This specification signed and witnessed this twelfth day of May, A. D., 1905.

HENRY GARFIELD HART.

In the presence of—

IRENE D. MORRISON,
L. E. HICKS.