

No. 770,176.

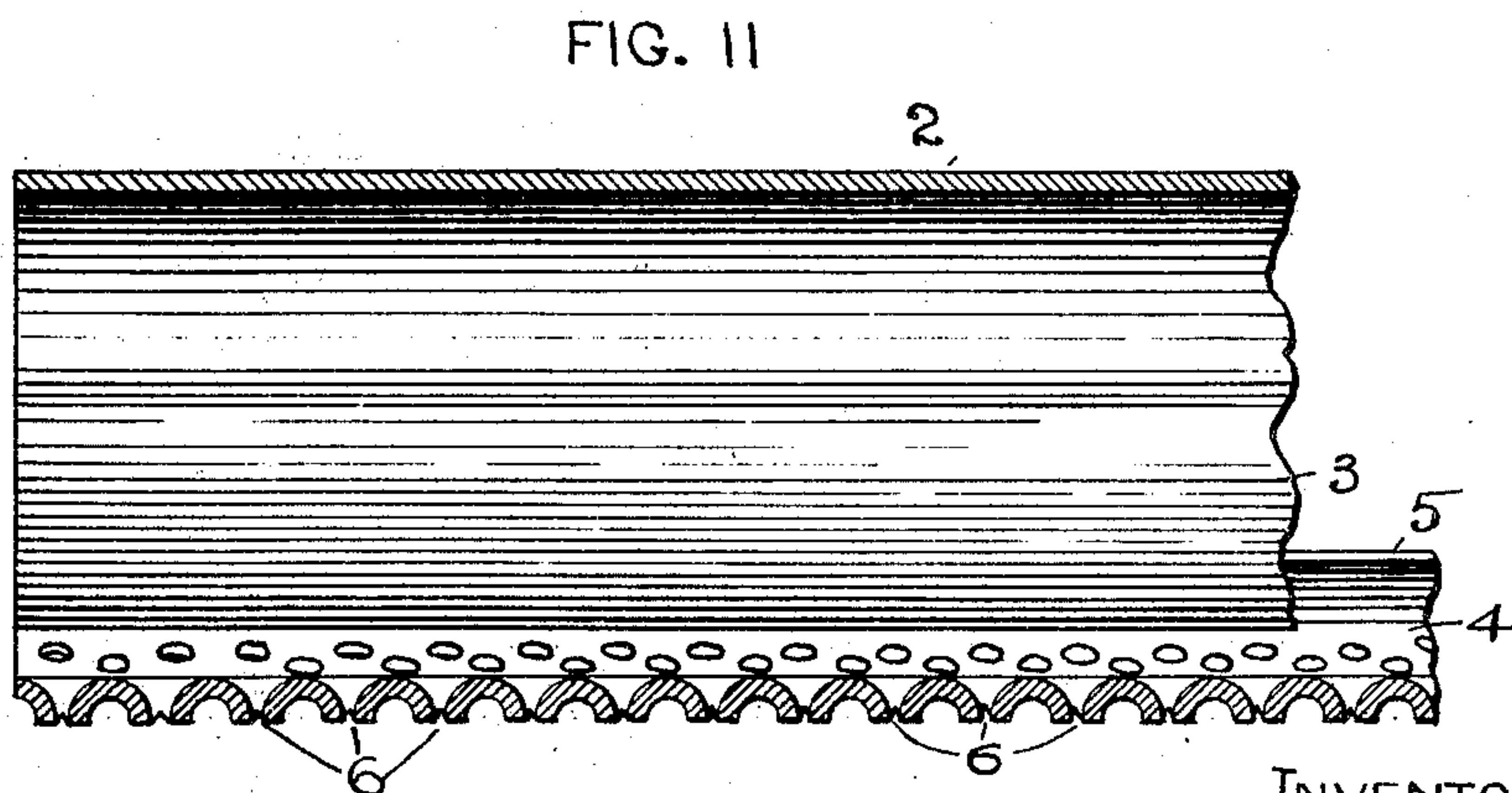
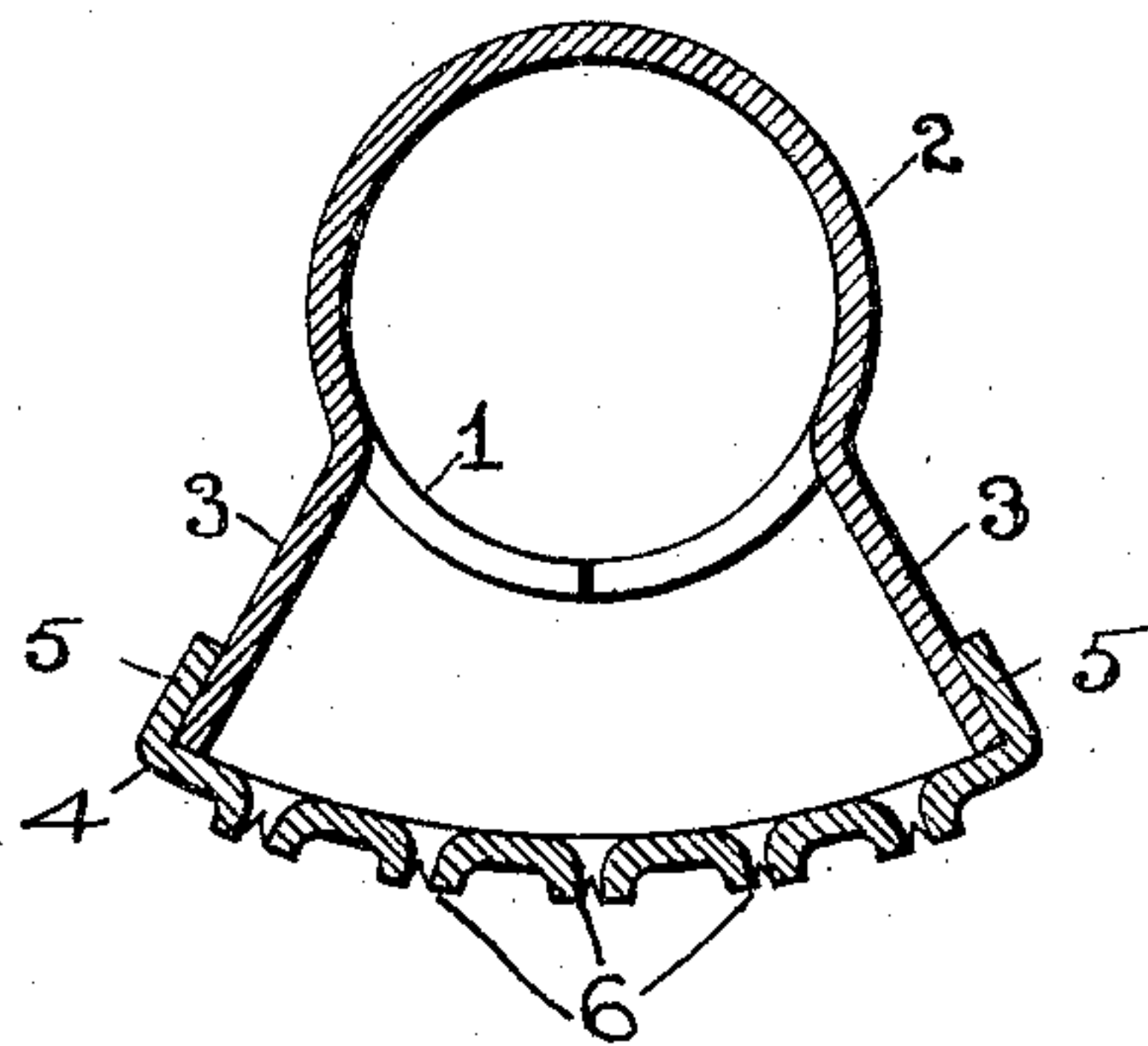
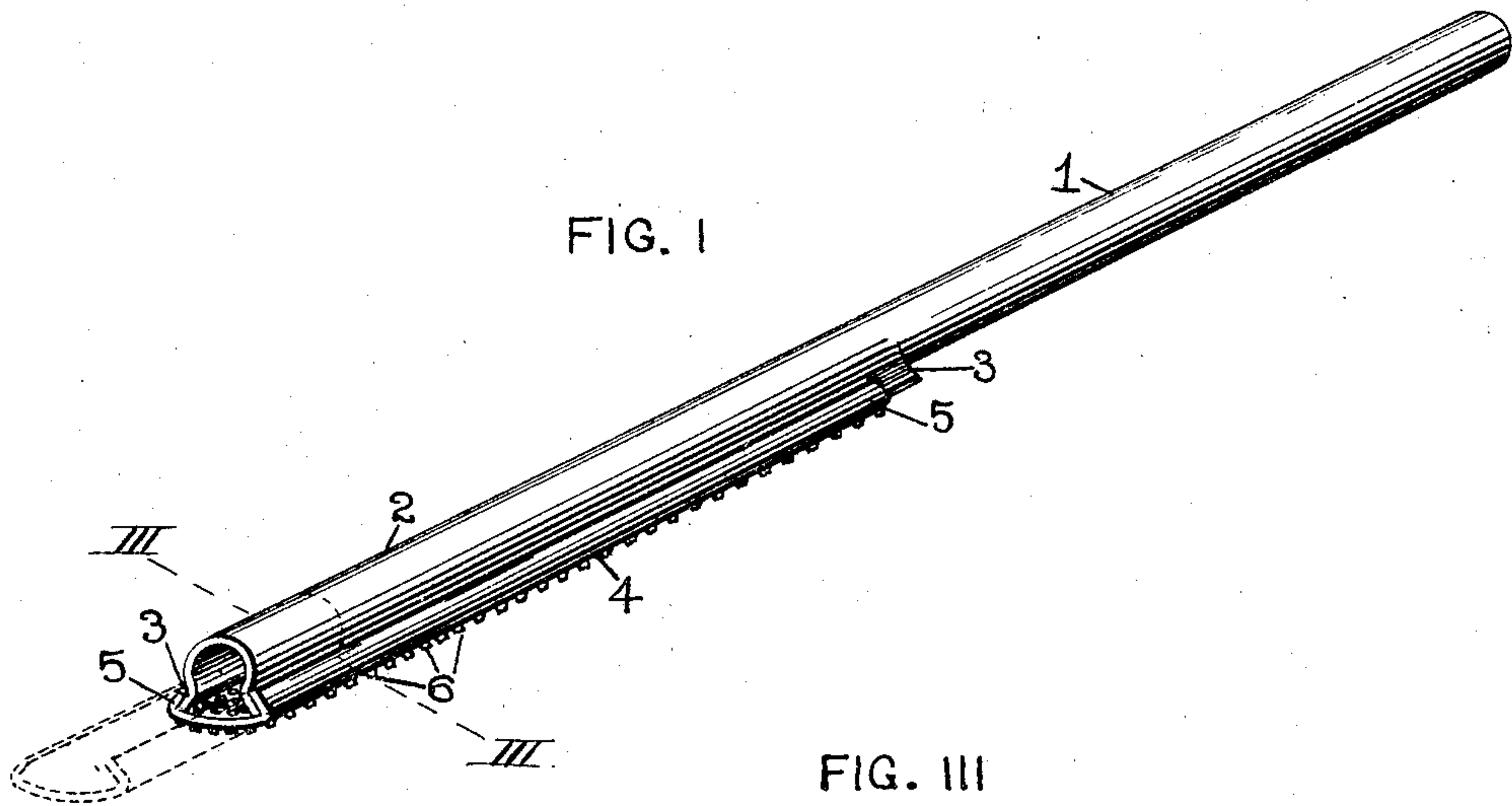
PATENTED SEPT. 13, 1904.

R. M. JOHNSON, JR. & M. J. ZIEGLER.

CORN OR CALLOUS FILE.

APPLICATION FILED JAN. 4, 1904.

NO MODEL.



ATTEST:

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UNITED STATES PATENT OFFICE.

RICHARD M. JOHNSON, JR., AND MATILDA J. ZIEGLER, OF ST. LOUIS,
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CORN OR CALLOUS FILE.

SPECIFICATION forming part of Letters Patent No. 770,176, dated September 13, 1904.

Application filed January 4, 1904. Serial No. 187,663. (No model.)

To all whom it may concern:

Be it known that we, RICHARD M. JOHNSON, Jr., and MATILDA J. ZIEGLER, citizens of the United States, residing in the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Corn or Callous Files, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

Our invention relates to a file or abrading instrument for removing corns or calloused skin.

The invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a perspective view of our file. Fig. II is an enlarged longitudinal section through the forward end of our file. Fig. III is an enlarged cross-section taken on line III-III, Fig. I.

1 designates a tubular handle that carries a trough-shaped file-back 2, having outturned sides 3. The handle and back 2 are integral, and a continuous longitudinal channel is present through both members.

4 is an abrading-plate having inturned flanges 5, that project over the outturned sides of the back 2, as seen in Figs. I and III, thereby furnishing a slip connection between said file plate and back. The file-plate is provided with a plurality of rasping projections 6, that are formed by perforating the plate to produce the projections in roughened shape, as illustrated, so that when the file-plate is moved across the surface of a corn or calloused skin abrasive action will take place, as will be readily understood. The rasping projections 6 are of minute size, so that the roughened surface of the file-plate will not injure the live skin surrounding the corns or other calloused skin.

By making the handle 1 and back 2 of tubu-

lar and trough form we render the file tubular from end to end, so that the abraded substance entering therein through the perforations at the locations of the rasping projections may be readily blown therefrom by the user applying his mouth to the end of the handle.

By slidingly connecting the file-plate to the back 2 said plate may be adjusted inwardly and outwardly and may be readily slipped from the back to be cleansed whenever desirable.

We claim as our invention—

1. As a new article of manufacture, a file of the kind named consisting of a tubular handle and a trough-shaped back rigidly connected to said handle, and a file-plate fitted to said back, said handle and said back being open at their ends to form an air-passage throughout their combined length.

2. As a new article of manufacture, a file of the kind named consisting of a body made of a single piece of material, the sides of which are at one end turned inwardly to form a tubular handle and at the other end outturned to form a trough-shaped back, and a file-plate having inturned flanges adapted to fit over the outturned sides of the back.

3. As a new article of manufacture, a file of the kind named consisting of a body made of a single piece of material, the sides of which are at one end turned inwardly to form a tubular handle open at the ends and at the other end outturned to form a trough-shaped back, and a perforated file-plate having inturned flanges adapted to fit over the outturned sides of the back.

RICHARD M. JOHNSON, JR.
MATILDA J. ZIEGLER.

In presence of—

E. S. KNIGHT,
BLANCHE HOGAN.