

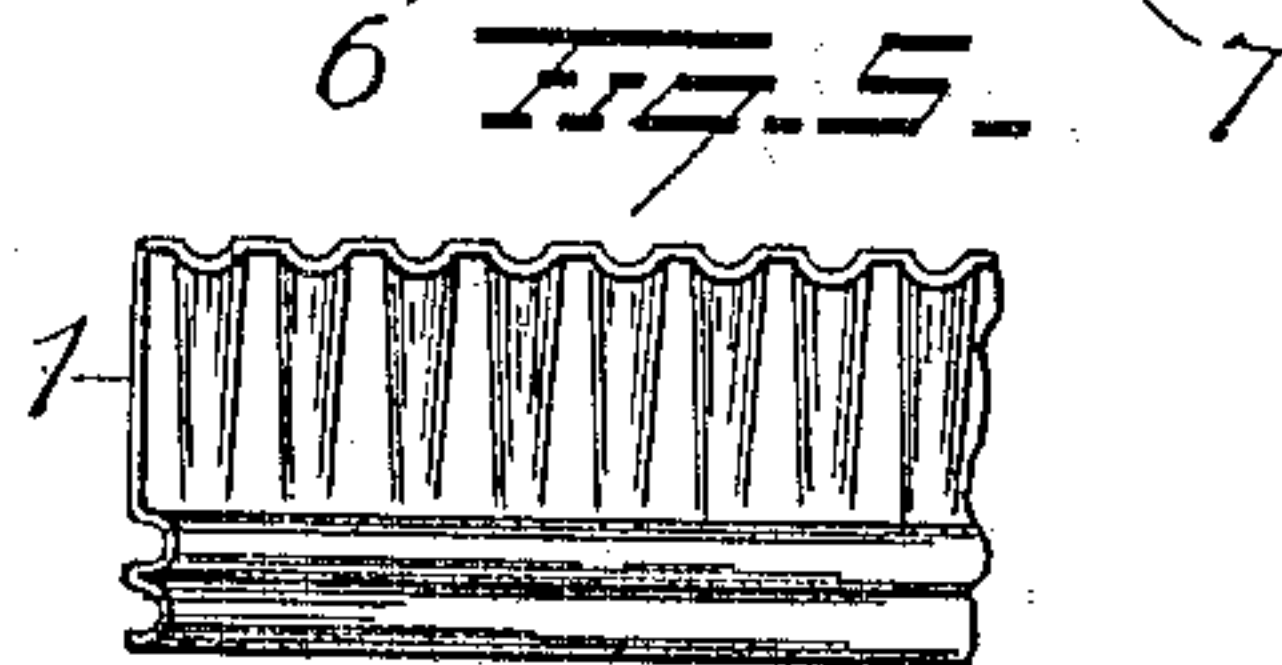
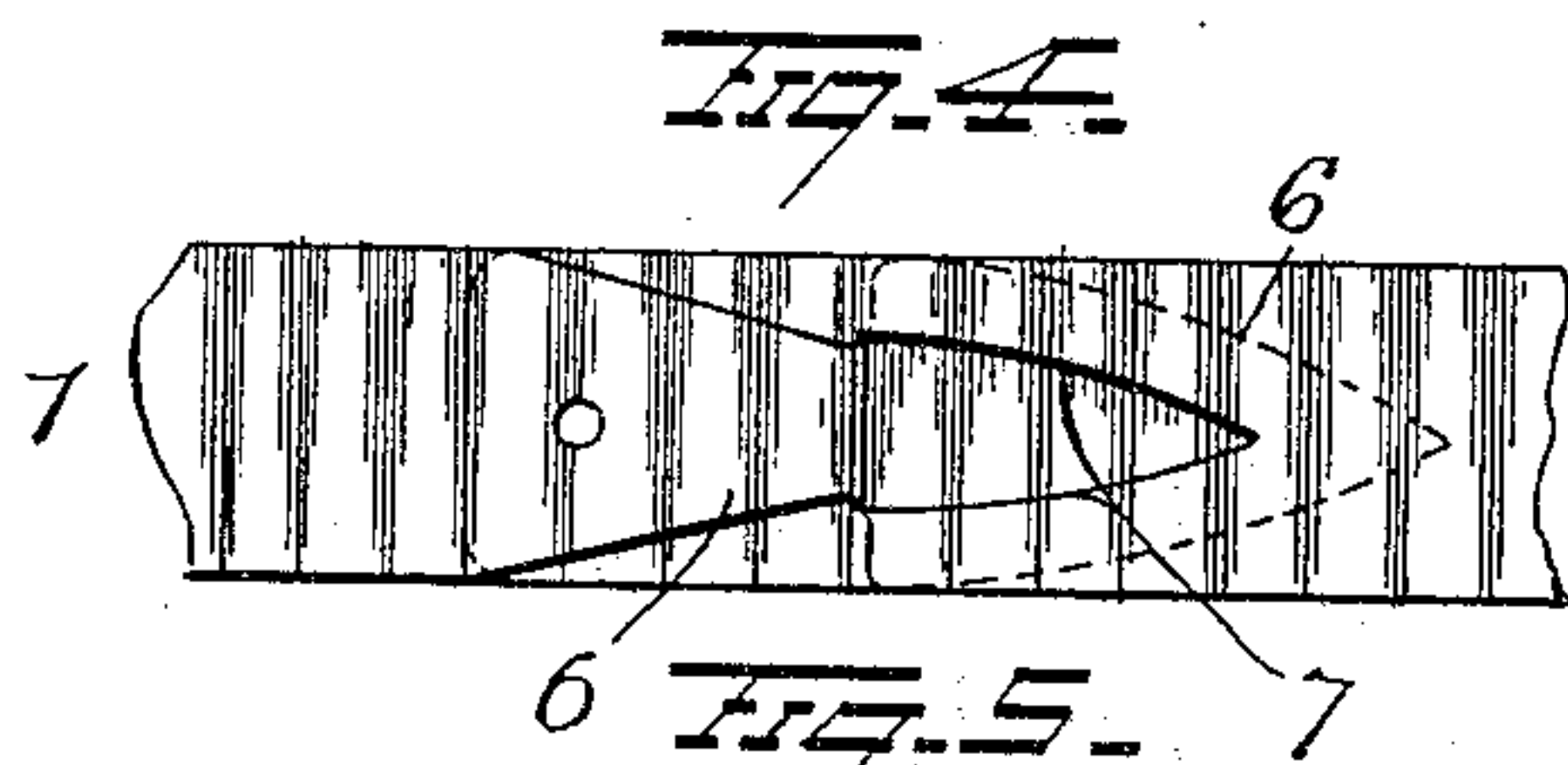
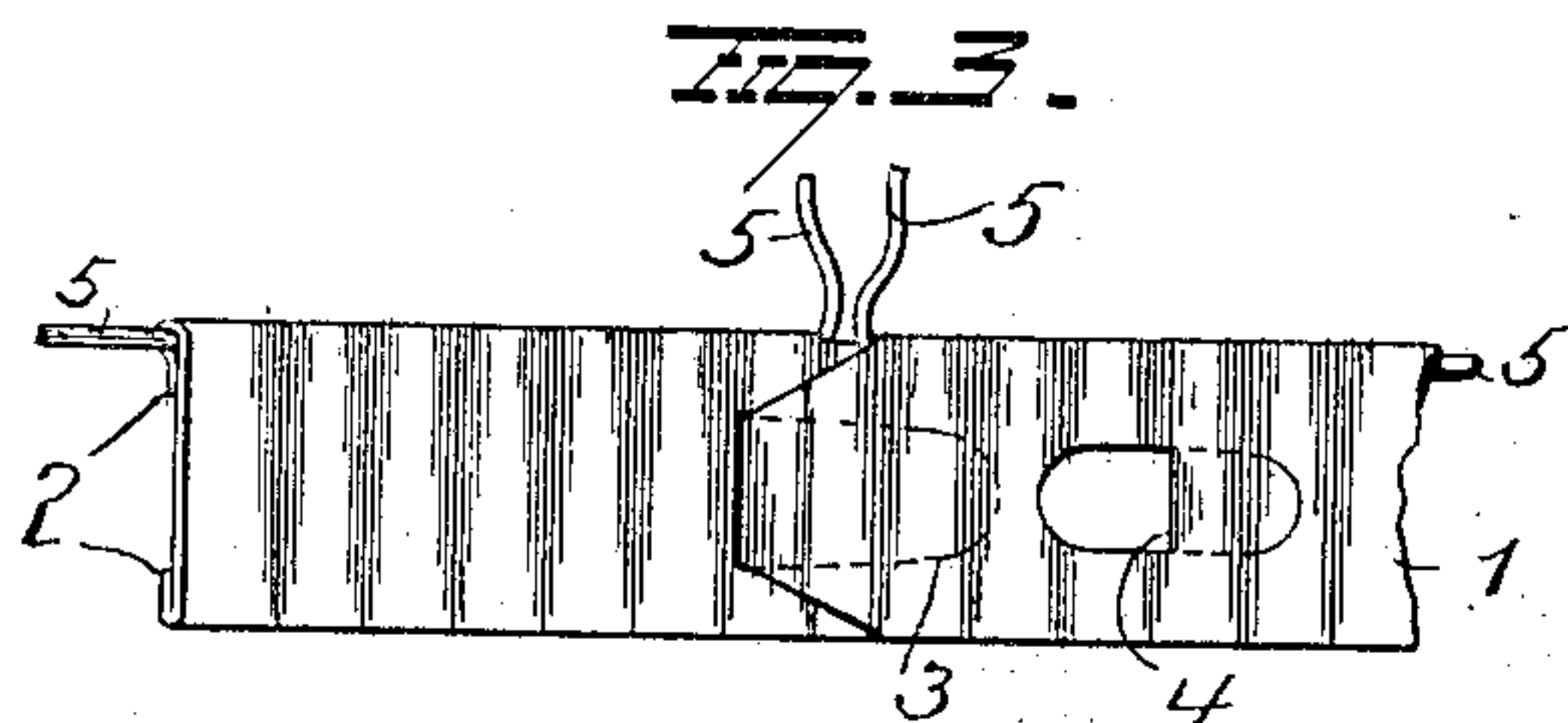
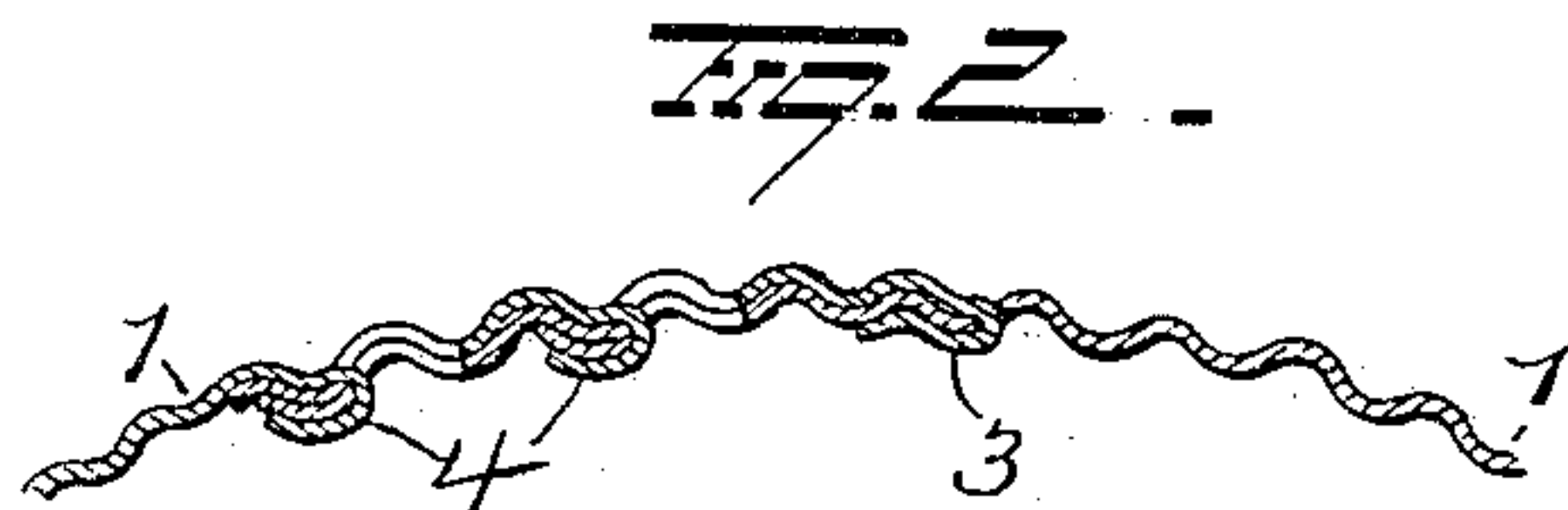
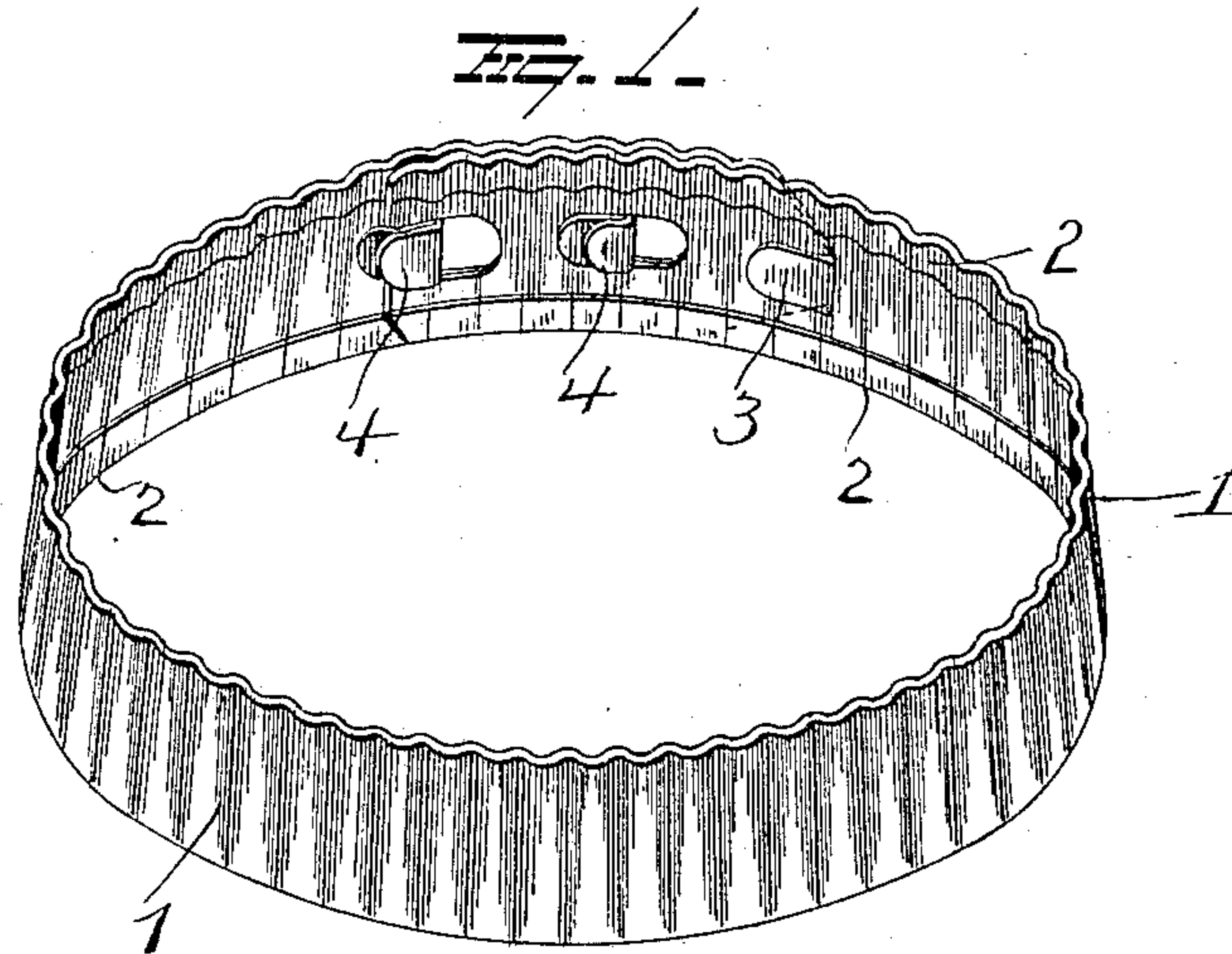
No. 758,820.

PATENTED MAY 3, 1904.

J. P. CHAPLIN.
HOOP.

APPLICATION FILED APR. 10, 1903.

NO MODEL.



WITNESSES
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JAMES P. CHAPLIN, OF NEW MARTINSVILLE, WEST VIRGINIA.

HOOP.

SPECIFICATION forming part of Letters Patent No. 758,820, dated May 3, 1904.

Application filed April 10, 1903. Serial No. 152,037. (No model.)

To all whom it may concern:

Be it known that I, JAMES P. CHAPLIN, a resident of New Martinsville, in the county of Wetzel and State of West Virginia, have invented certain new and useful Improvements in Hoops; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in hoops, the object of the invention being to provide an improved hoop for barrels, buckets, and other like receptacles which will be more or less elastic to conform to the shape of the receptacle and snugly bind thereon and whose ends will be securely locked together.

A further object is to provide a hoop composed of a strip of sheet metal having its edges bent back upon the body of the strip and its ends overlapped and secured together, the hoop being corrugated—that is to say, it is provided at regular intervals throughout with lateral crimps or corrugations and beaded or corrugated on one edge longitudinally, the overlapping ends of the hoop being likewise crimped or corrugated.

A further object is to provide improved fastening mechanism for the overlapping ends of the hoop.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view illustrating my improvements. Fig. 2 is a view in section; and Figs. 3, 4, and 5 are views illustrating modifications.

1 represents my improved hoop, which is composed of a strip of sheet metal having both longitudinal edges bent back upon the main strip, as shown at 2, and one edge corrugated or crimped, as shown. In the form of lock shown in Fig. 1 one end has a tongue 3 to pass through a slit in the other end and is bent back, as shown. Tongues 4 are then forced inward from both overlapping ends of the hoop and are bent back against the hoop end to further secure the ends together. The

overlapping ends and tongues are crimped or corrugated with the main portion of the hoop, and while I have described only one edge of the hoop as being crimped, as a matter of fact the crimping extends from one edge to the other with gradually-diminishing depth or thickness, so that the hoop is of a flaring shape to fit the receptacle of such shape.

By constructing my improvements as above explained a wide edge is formed to receive the proper tool for forcing the hoop into place, and there is no possibility of the user of a receptacle employing my hoop tearing or cutting his hands or clothes. The hoop is elastic to conform to the shape of the receptacle and the expansion and contraction thereof without affecting the binder, and the ends are most effectually secured together and cannot work loose or separate.

In Fig. 3 I show a strengthening-wire 5 inclosed in one turned-over edge and crimped therein, and the protruding ends of the wire may be twisted together to further secure the ends of the hoop.

In Fig. 4 I illustrate a modified form of lock in which one end of the hoop has a spear or arrow head tongue 6 to enter an opening 7 in the other end, and when the tongue is turned to aline the ends of the hoop will compel the shoulders of the tongue to engage the end walls of the slot or opening 7 and securely lock the ends together.

In Fig. 5 I illustrate the hoop having longitudinal corrugations at one edge.

Other changes might be made without departing from my invention, and hence I would have it understood that I do not confine myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. A hoop comprising a strip of sheet metal having both its upper and its lower longitudinal edge portions bent over upon and pressed against the body of the strip, said strip having a continuous series of transverse corrugations, each of the corrugations of said series

of corrugations extending through the upper folded edge of the strip and having greater depth at said upper folded edge than at the lower edge of the strip.

- 5 2. A hoop comprising a strip of sheet metal having a continuous series of transverse corrugations, each of which tapers from the upper edge of the strip to a point adjacent to the lower edge, said corrugated strip having a slot
10 or opening near one end and provided with a

tongue in proximity to its other end to pass through said slot or opening and conform to contour of the strip.

In testimony whereof I have signed this specification in the presence of two subscrib- 15
ing witnesses.

JAMES P. CHAPLIN.

Witnesses:

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