

No. 768,805.

PATENTED AUG. 30, 1904.

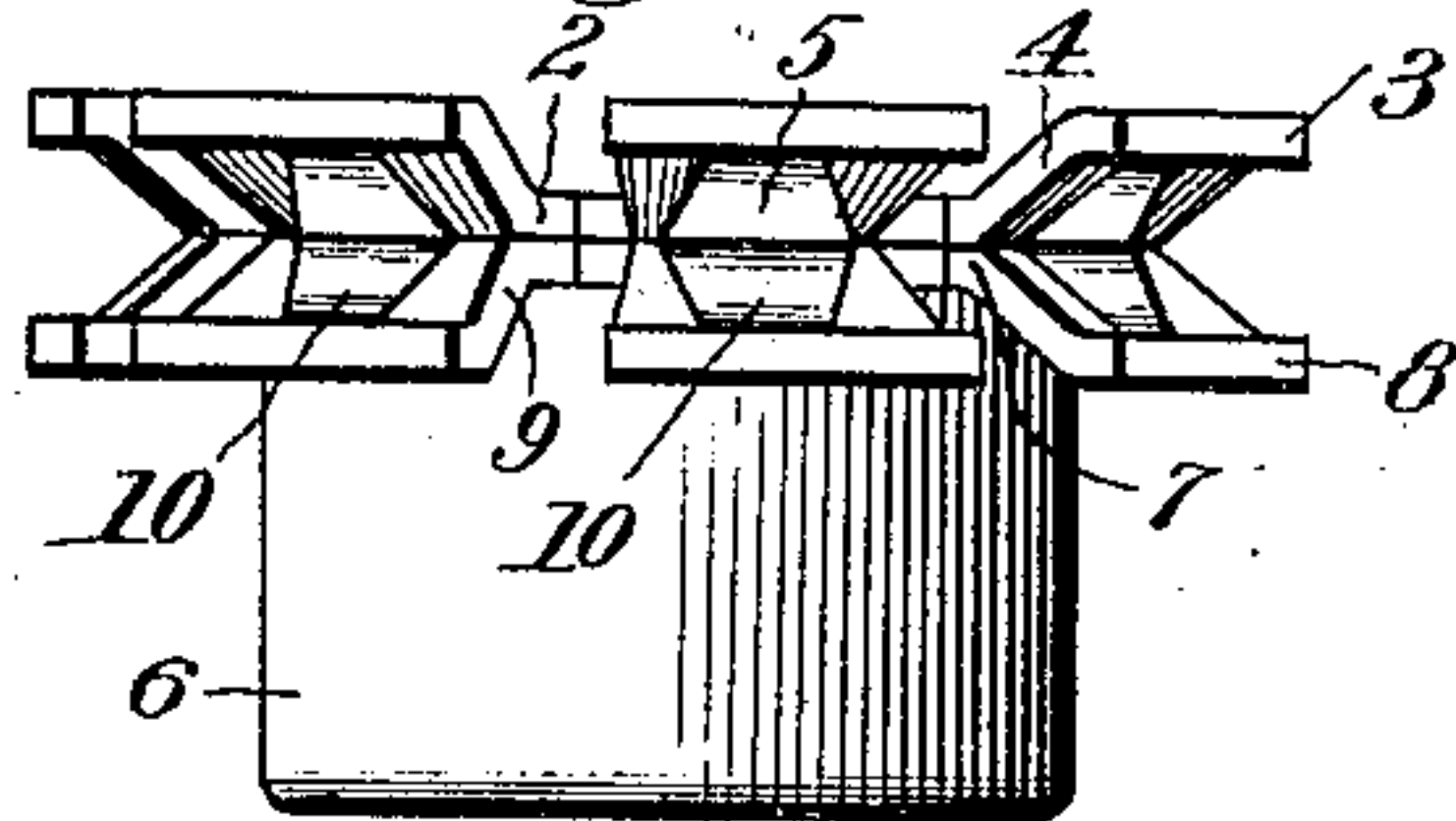
T. R. HYDE, JR.

UMBRELLA NOTCH.

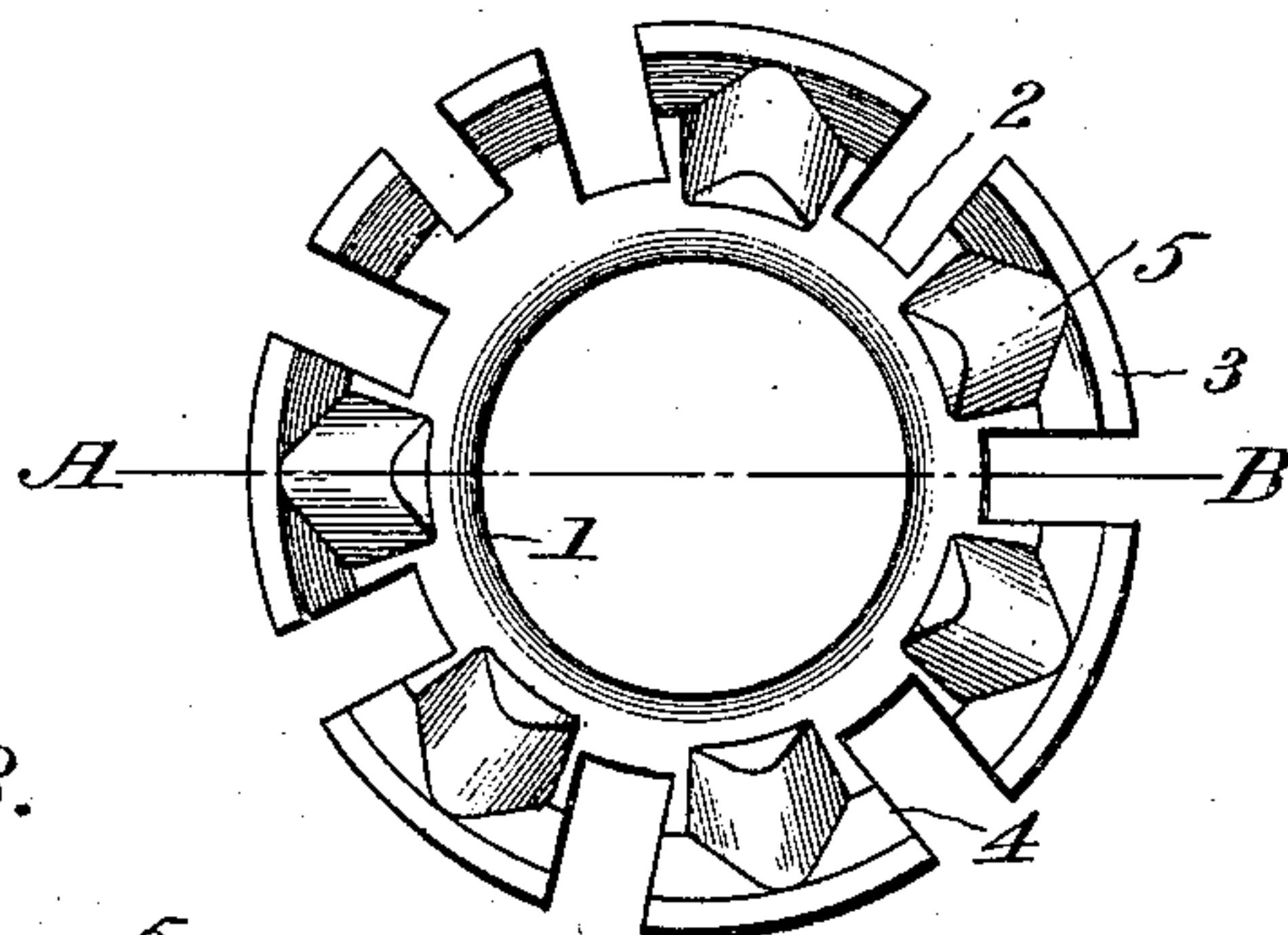
APPLICATION FILED DEC. 14, 1903.

NO MODEL.

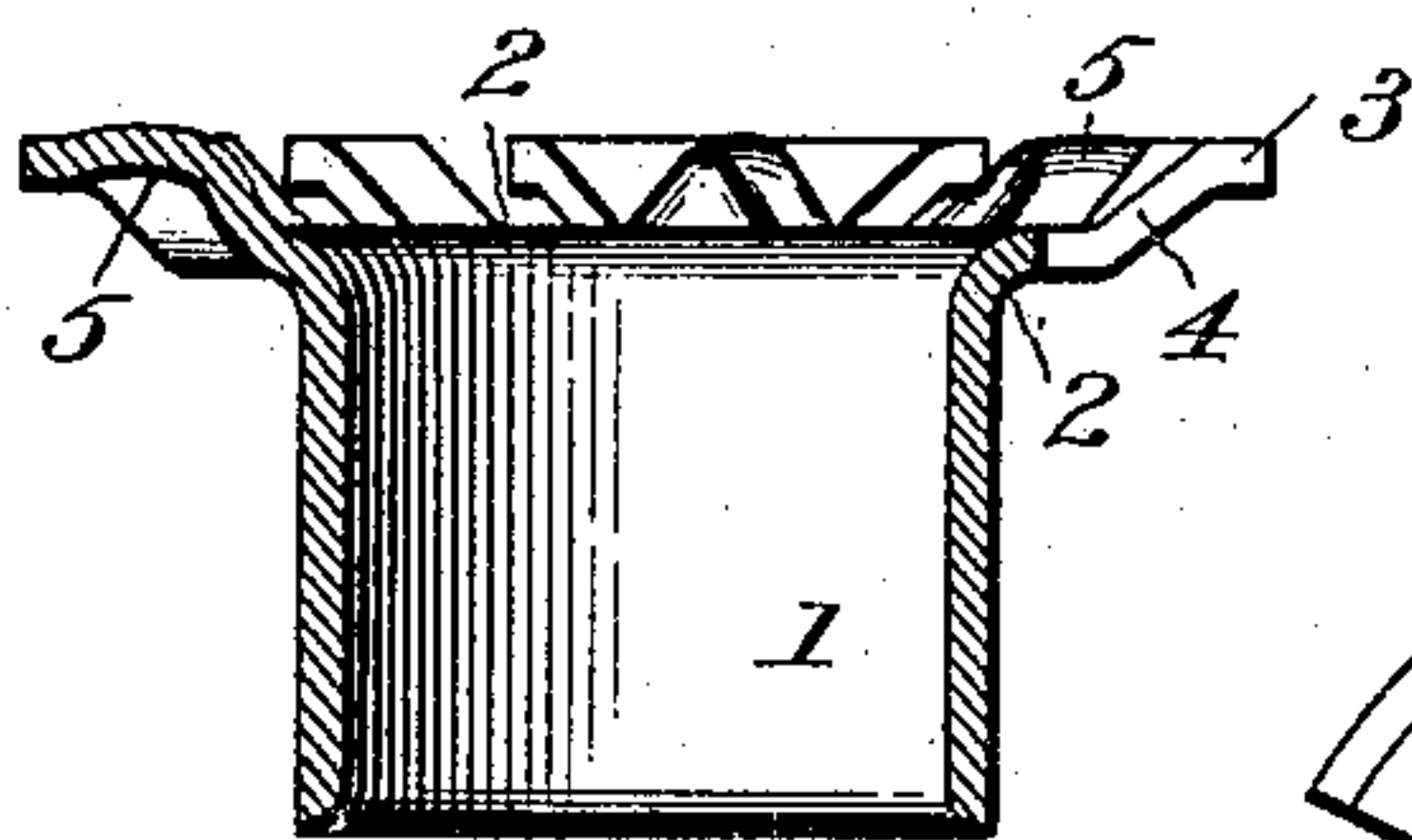
*Fig. 1.*



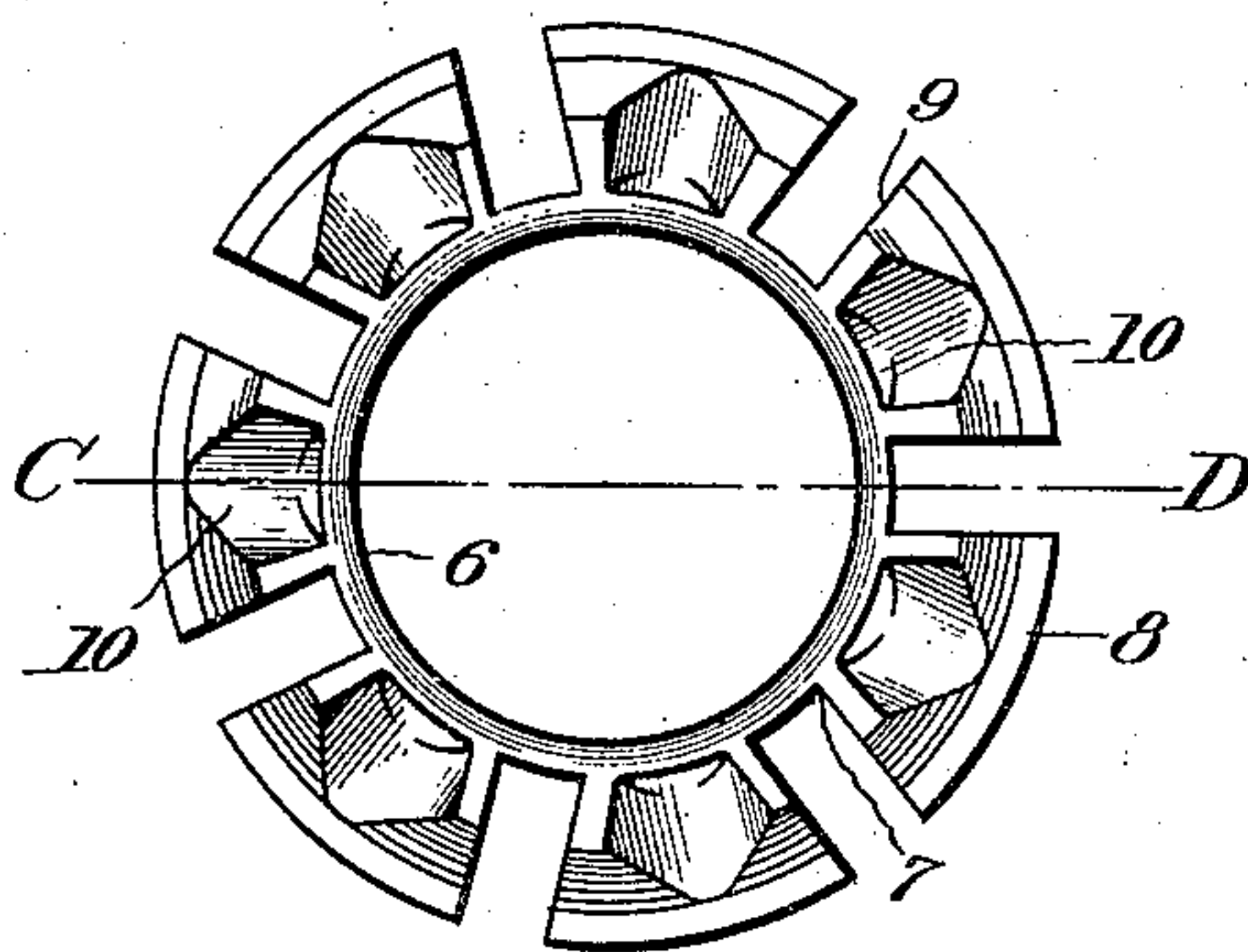
*Fig. 2.*



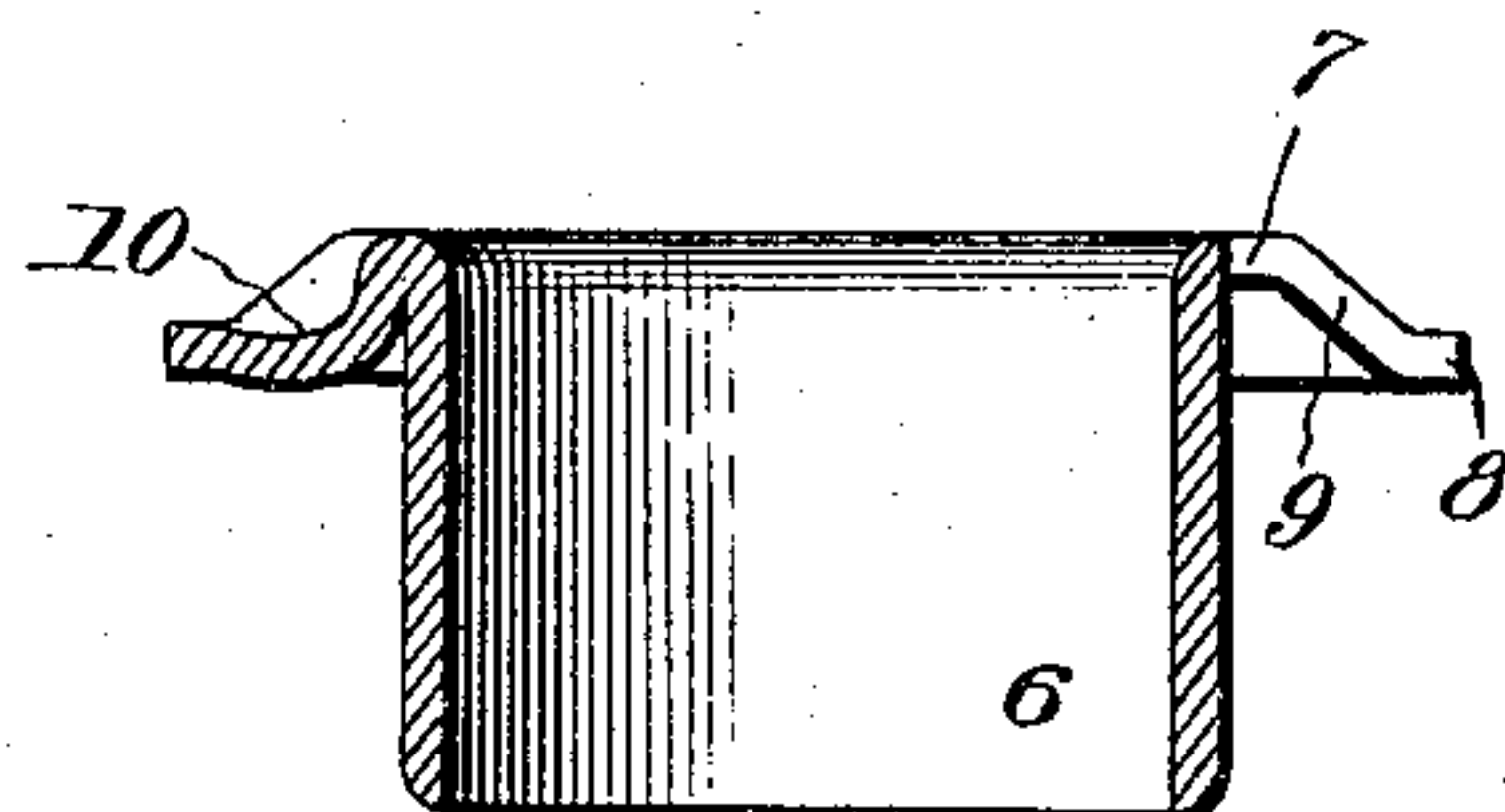
*Fig. 3.*



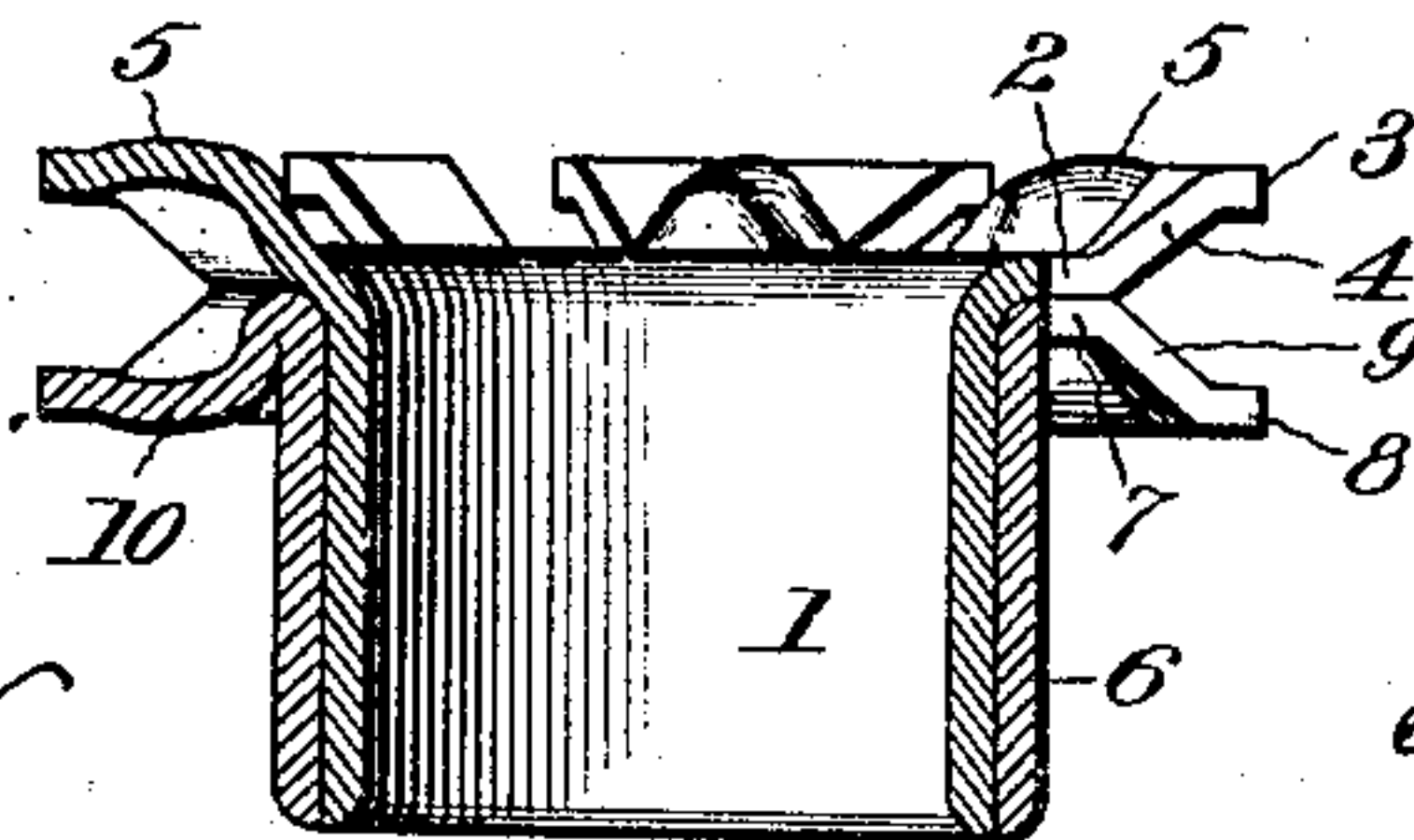
*Fig. 4.*



*Fig. 5.*



*Fig. 6.*



WITNESSES:

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## UNITED STATES PATENT OFFICE.

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## UMBRELLA-NOTCH.

SPECIFICATION forming part of Letters Patent No. 768,805, dated August 30, 1904.

Application filed December 14, 1903. Serial No. 185,081. (No model.)

*To all whom it may concern:*

Be it known that I, THEOPHILUS R. HYDE, Jr., a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Umbrella-Notches, of which the following is a full, clear, and exact description.

This invention is designed to provide an umbrella-notch of wrought metal as opposed to cast metal in an economical and serviceable manner.

The invention consists of an umbrella-notch composed of concentric tubes, each having a matching flange, so that when the two tubes are assembled the flanges form a groove for the reception of the wire used to bind together the ribs and notch. In order to stand the usage, and more particularly the rough usage, to which umbrellas are subjected, this notch has its flanges stiffened by embossments between the cuts or kerfs for the ribs.

In the accompanying drawings, illustrating the invention, in the several figures of which like parts are similarly designated, Figure 1 is a side elevation. Fig. 2 is a top plan view of the inner tube. Fig. 3 is a cross-section of the inner tube, taken on line A B, Fig. 2. Fig. 4 is a top plan view of the outer tube. Fig. 5 is a cross-section of the outer tube, taken on line C D, Fig. 4. Fig. 6 is a cross-section of the two tubes assembled, representing a finished notch.

One member, Figs. 2, 3, and 6, has a tube 1, the upper end of which is provided with a substantially horizontal flange 2, terminating in an upwardly-flared rim 3. This flange is provided with as many radial cuts or kerfs 4 as there are ribs in the umbrella, and these cuts or kerfs extend inwardly substantially to the tube. Between these cuts or kerfs the flange is provided with upwardly-extending embossments 5, which serve to stiffen and re-

inforce the flange, so as to enable it to withstand the shocks of impact or banging to which the umbrella is subjected in use, and thus aid in preventing the deformation of the notch and consequent displacement or derangement of the ribs and their retaining-wire. The other member of the notch, Figs. 4, 5, and 6, has a tube 6 of sufficiently larger internal diameter than the external diameter of the tube 1 to permit the two tubes to be crowded together. The tube 6 has a substantially horizontal flange 7, terminating in a downwardly-flared rim 8, and cuts or kerfs 9, similar to the cuts or kerfs 4, are made in the flange, and embossments 10 are made in this flange between its cuts or kerfs in a direction the reverse of that of the embossments 5 and for a like purpose. When the two members of the notch are assembled, as in Figs. 1 and 6, their flanges flare away from each other, and thus form a circumferential groove in which is laid the wire used to bind the ribs to the notch, the horizontal portions of the flanges forming the base of the groove in alinement with the eyes in the ribs and the cuts or kerfs extending beyond such base so as to receive the ribs and permit of their pivotal movements.

The lower end of the inner tube may be spun or flanged outwardly or the tubes may be otherwise intimately united so as to provide against longitudinal and lateral displacement of one tube upon the other.

The members of the notch may be drawn, stamped, or otherwise conveniently and economically produced from sheet metal, such as brass, and readily assembled, and the notch finished in any desired manner.

The invention is applicable as well to the stretcher-notch as to the rib-notch.

What I claim is—

1. An umbrella-notch, composed of concentric tubes spun together, and having oppo-



sitely-flared flanges forming a circumferential groove, and provided with radial cuts, and radial embossments.

- 5 2. An umbrella-notch, composed of concentric tubes intimately united, and having oppositely-flared flanges forming a circumferential groove, and provided with radial cuts, said flanges having oppositely-projecting embossments.

In testimony whereof I have hereunto set in my hand this 12th day of December, A. D. 1903.

THEOPHILUS R. HYDE, JR.

Witnesses:

L. L. WILLIAMS,  
F. H. KEEFER.