

No. 756,724.

PATENTED APR. 5, 1904.

J. C. SNODGRASS.
INSULATOR.

APPLICATION FILED AUG. 26, 1903.

NO MODEL.

Fig. 1.

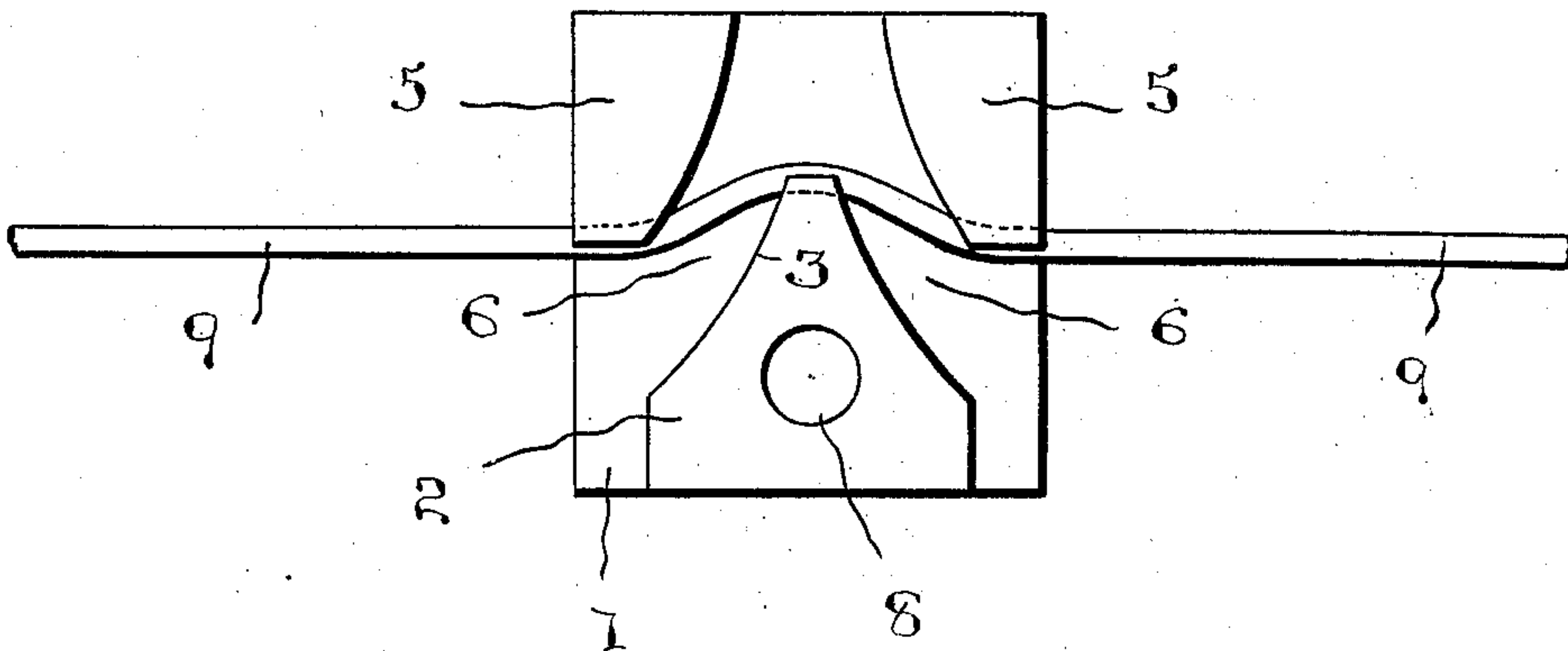
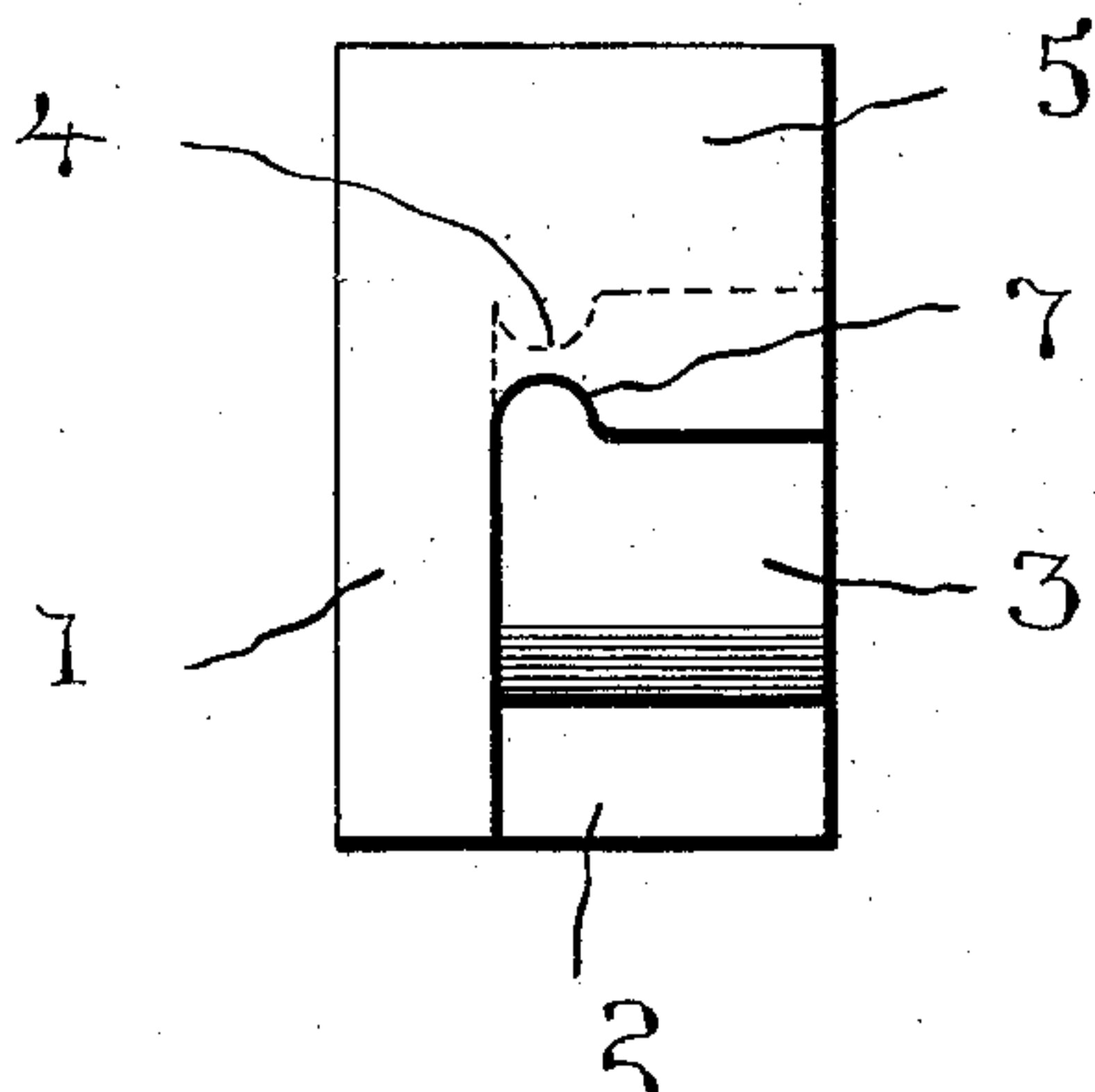


Fig. 2.



Witnesses:

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JOHN C. SNODGRASS, OF STEUBENVILLE, OHIO.

INSULATOR.

SPECIFICATION forming part of Letters Patent No. 756,724, dated April 5, 1904.

Application filed August 26, 1903. Serial No. 170,847. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. SNODGRASS, a citizen of the United States, residing at Steubenville, in the county of Jefferson and State of Ohio, have invented new and useful Improvements in Insulators, of which the following is a specification.

My invention relates to new and useful improvements in insulators and holders for telegraph or other electric wires; and its object is to provide a simple and inexpensive device of this character which will securely fasten a wire in position without necessitating the employment of additional or fastening wires.

A further object is to employ an insulator to which a wire may be readily and quickly attached.

With the above and other objects and advantages in view the invention consists in the novel construction, combination, and arrangement of parts, which will be hereinafter more fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of the insulator with a wire in position therein, and Fig. 2 is an end elevation thereof.

Referring to the figures by numerals of reference, 1 is a block having an extension 2 upon one face thereof at its lower edge, the side edge of said extension being cut away, as shown at 3, to form an inverted substantially V-shaped shoulder, the end of which is concaved, as shown by dotted lines at 4, Fig. 2. Arranged at the upper corners of the block upon the same face as the extension 2 are shoulders 5, the ends of which extend at opposite sides of the block 3 and form channels 6 therebetween. The lower ends of these shoulders are concaved adjacent the block 1, as shown at 7. An aperture 8 is formed in the extension 2 for the reception of a screw, bolt, or other securing means.

The insulator is adapted to be secured to a pole or other object by inserting a screw or bolt through the aperture 8. The wire to be connected to the insulator is then folded, so as to be readily inserted in the two channels 6 and when drawn taut will move into the concaved

portions 7 and 4 of the shoulders 5 and extension 2 and will thus be securely held in position without the necessity of employing securing-wires or other similar fastening means. The insulator is formed of one piece of material and is preferably constructed of porcelain, hard rubber, or similar non-conducting material. It will be understood that as the aperture 8 is arranged below the center of the insulator any tendency of the latter to swing by gravity into position with the shoulders 5 below the aperture will serve to bind said shoulders more securely upon the wire. In the drawings I have designated the wire by the numeral 9.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing the advantages thereof, and I therefore reserve the right to make such changes and alterations as may fairly fall within the scope of my invention.

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

An insulator formed in a single piece of insulating material and comprising a flat block, an extension at one edge of the block and having a substantially V-shaped inner end extending across the center of the block, the apex of said extension being grooved and said extension having an aperture which extends transversely through the block for the reception of insulator-securing means, and oppositely-disposed similar shoulders integral with the block at the corners thereof adjacent the apex of the extension, said shoulders overlapping said apex and having grooves in their inner ends, the grooves in said ends and in the apex being out of alinement but in the same plane.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN C. SNODGRASS.

Witnesses:

CHAS. OLIVER,
J. R. McCLEARY.