No. 798,252. PATENTED AUG. 29, 1905.

B. P. BARTLETT.

ANTIHUMMER FOR TELEPHONE WIRES.

APPLICATION FILED OCT. 19, 1904.

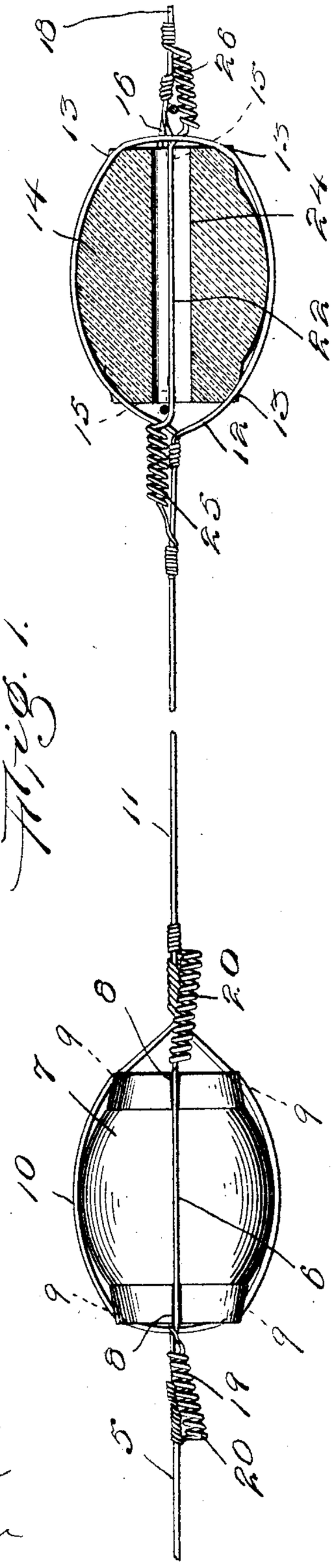

Fig. 1.

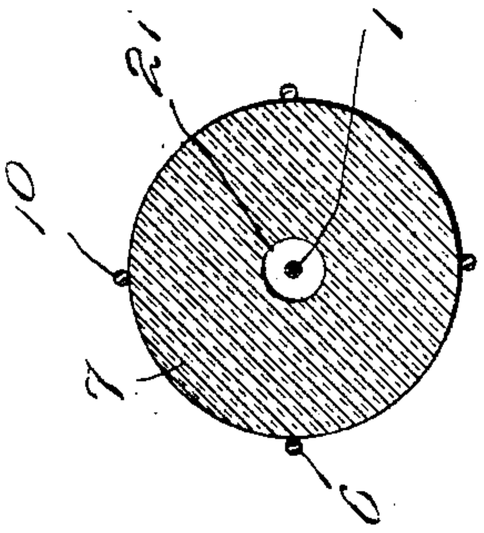

Fig. 2.

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ANTIHUMMER FOR TELEPHONE-WIRES.

No. 798,252. Specification of Letters Patent. Patented Aug. 29, 1905.

Application filed October 19, 1904. Serial No. 229,118.

To all whom it may concern:

Be it known that I, BENJAMIN P. BARTLETT, a citizen of the United States, residing at Norway, in the county of Republic, State of Kansas, have invented certain new and useful Improvements in Antihummers for Telephone-Wires; 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.

This invention relates to devices for preventing the humming sound common in telephone-wires, the object of the invention being to provide a device which will be cheap and efficient and which may be easily and quickly put in place.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a view showing a device in position for use, one at each end of a stretch of wire, one of the devices being in section. Fig. 2 is a transverse section through one of the devices.

Referring now to the drawings, in equipping a line in accordance with the present invention the house-wire (illustrated at 5) has a loop 6 formed in its outer end, and in this loop is disposed an insulating-body 7, which is round in cross-section and which is tapered slightly and curvingly from its central portion toward its ends, the end edges of this insulating-body being notched, as shown at 8, to receive the sides of the loops 6, so that the body will be held positively within the loop.

In a plane at right angles to the plane of the notches 8 are formed other notches 9 in the ends of the insulating-body and in which notches 9 are engaged the sides of a loop 10 at the end of a section 11 of the line-wire. At the opposite end of the section 11 of the line-wire is another loop 12, which is engaged in notches 13 in the ends of an insulating-body 14, having the same shape as the body 7. The body 14 has other notches 15, corresponding to the notches 8, and in the notches 15 are engaged the sides of a loop 16, passed longitudinally around the second insulating-body and which loop is at the end of a section 18 of line-wire which is secured in the usual manner to a supporting-insulator.

The house-wire 5 is electrically connected with the line-wire section 11 by a short piece of wire 19, the ends of which are twisted about said wire in the usual manner, said wire 19 directly adjacent to its points of attachment being bent to form helices 20, and the said wire 19 passes through the central passage 21 of the insulating-body 7.

A wire 22, corresponding to the wire 19, is connected to the wire-sections 11 and 18, its central portion passing through the central passage 24 of the insulating-body 14, beyond which it is bent to form the helices 25 and 26. These connecting-wires 19 and 22 are without tension, as illustrated.

The device and the arrangement described tends to effectually prevent the humming hereinbefore referred to.

What is claimed is—

1. The combination with an insulated body having its ends notched in planes at an angle to each other, of wires having loops at their ends passed around the insulating-body and each engaging the notches in a single plane, said body having a passage therethrough, and a wire passed through the passage and connected to the first-named wires.

2. The combination with a pair of insulating-bodies each having its ends notched in different planes and having a longitudinal passage, of a line-wire section having loops at its ends engaged around the insulating-bodies and in the notches in a single plane, a second wire engaged around each of the insulating-bodies and in the remaining notches thereof, and a wire passed through the passage of each insulating-body and connected to the corresponding attached wires.

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

BENJAMIN P. BARTLETT.

Witnesses:

D. E. DICKERHOOF,

C. M. KELLY.