

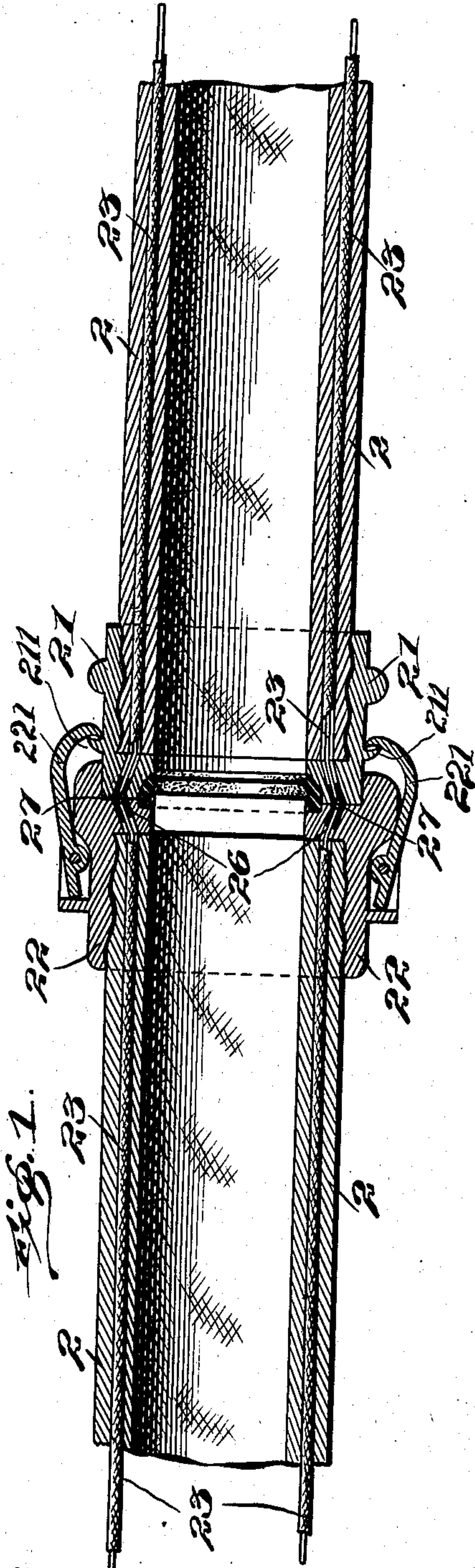
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PATENTED APR. 28, 1908.

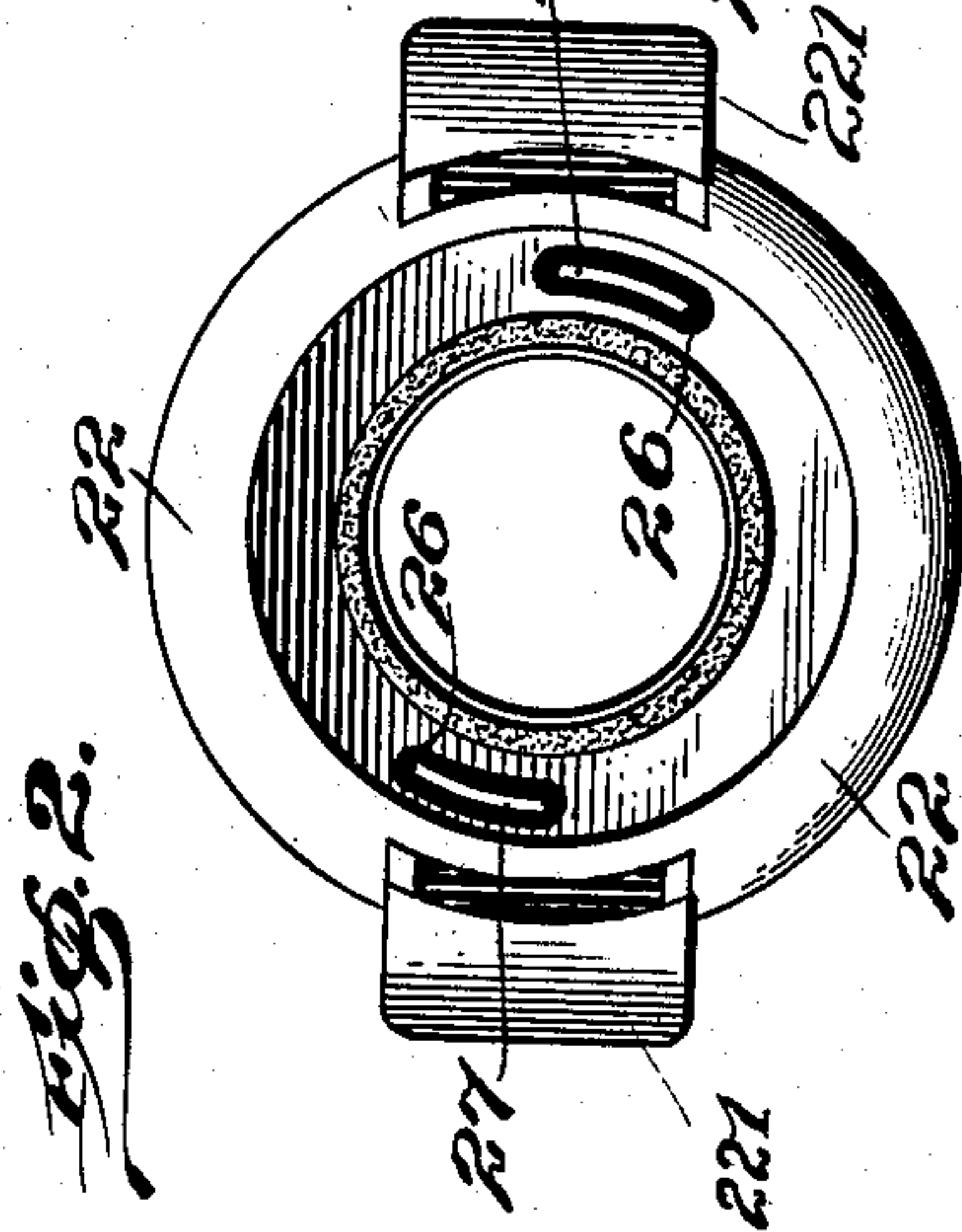
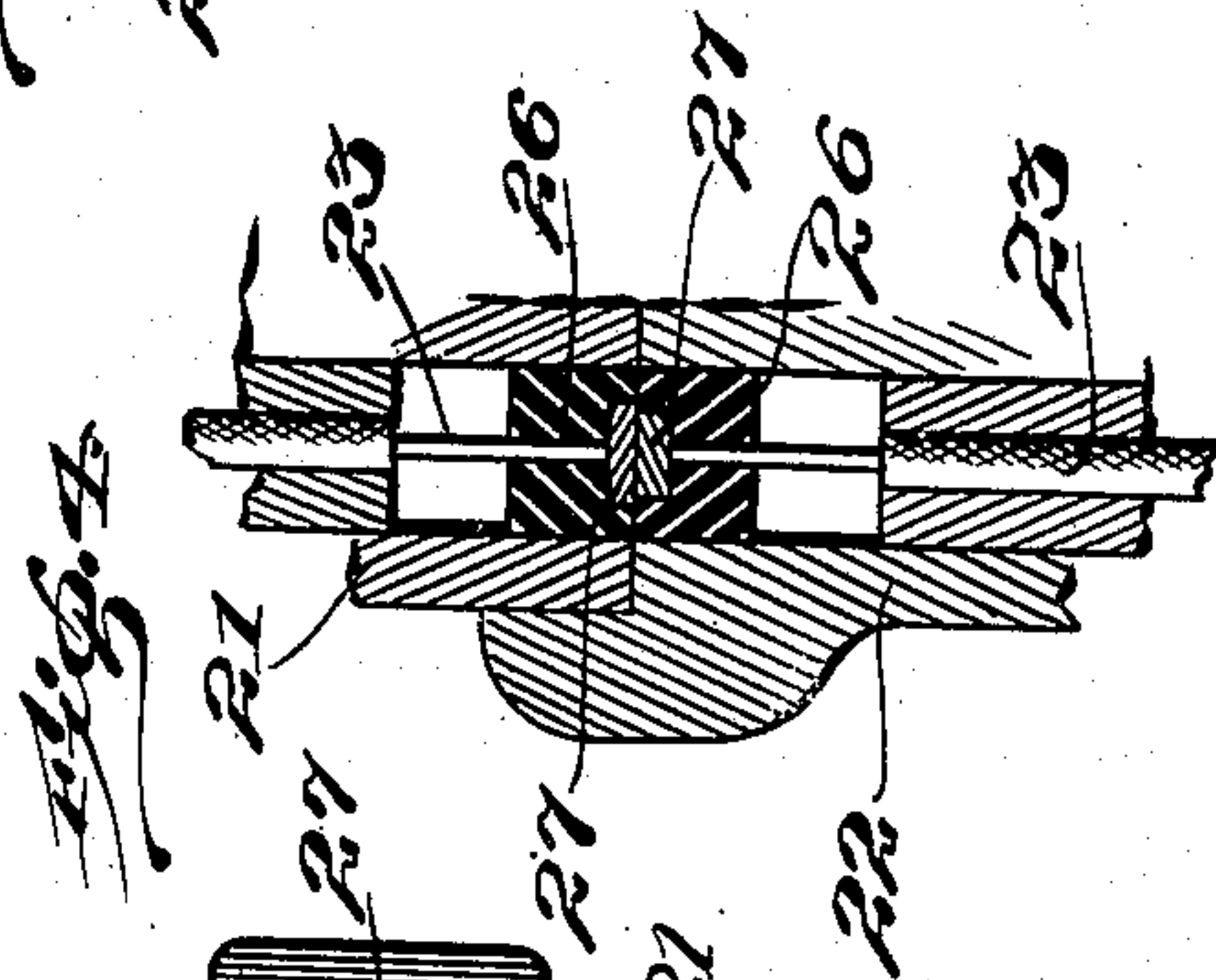
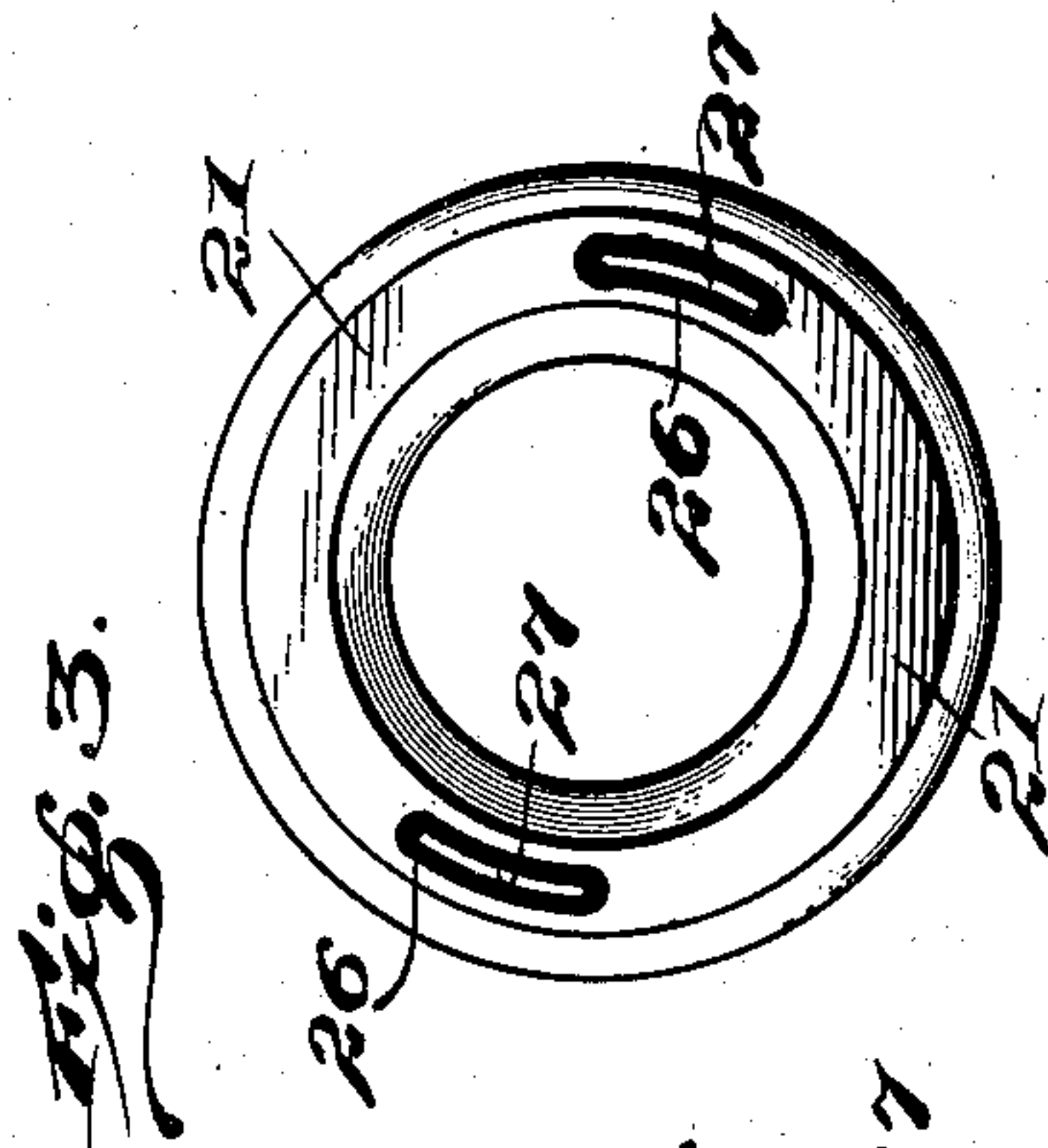
H. GROSWITH.

TELEPHONE SYSTEM FOR FIRE HOSE.

APPLICATION FILED MAR. 8, 1905. RENEWED MAR. 24, 1908.



Witnesses
Edmund C. Smith
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UNITED STATES PATENT OFFICE.

HARRY GROSWITH, OF PHILADELPHIA, PENNSYLVANIA.

TELEPHONE SYSTEM FOR FIRE-HOSE.

No. 885,922.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed March 8, 1905, Serial No. 248,973. Renewed March 24, 1908. Serial No. 422,964.

To all whom it may concern:

Be it known that I, HARRY GROSWITH, a citizen of the United States, and resident of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Telephone Systems for Fire-Hose, of which the following is a specification.

This invention relates to fire hose such as is provided with telephone connections.

The objects of the invention are to improve and simplify the electrical contact means in the coupling members of the hose.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed.

In the accompanying drawing, Figure 1 is a longitudinal section of a hose and coupling showing the connections. Figs. 2 and 3 are respectively end views of the two parts of the coupling. Fig. 4 on an enlarged scale represents a portion of the coupling showing the contact.

At the end of each length of hose 2 and within the coupling pieces 21, 22 are outwardly inclined soft or yielding insulating blocks 26 into which the wires 23 extend and terminate in contact pieces 27. These normally project slightly beyond the faces of the insulating portions 26 so that when the parts of the hose are coupled together, as shown in Fig. 1 of the drawings, the contact pieces 27 will be firmly brought into contact.

It will be noted that the contact pieces in the ends of the hose extend longitudinally within the flanges of the coupling members so that they are fully protected. It is also to be noted that where the non-rotary coupling parts are used on the hose the electric connecting blocks are placed in fixed relation thereto so that they will be sure to engage and make contact whenever the hose is coupled. In the present instance these non-rotary coupling parts consist of ears 211 projecting laterally from the male coupling member 21 at opposite sides thereof and hooks 221 pivotally attached to the female coupling member 22 for engaging therewith.

While I have described the device and its connection in relation to a hose used for fire purposes, it is of course obvious that by the term "fire hose" I include any hose, whether

or not it is being used, or is particularly and especially adapted to be used for fire purposes.

In accordance with this invention, the two lengths of hose are coupled by a two part coupling comprising annular members having annular integral internally projecting flanges, against the rear interior faces of which the ends of the hose lengths abut. These flanges are provided with longitudinal apertures extending through the same adapted to register when the members are coupled. In these apertures are provided the insulating blocks having contacts which normally project beyond the faces of the blocks. The wires are preferably wholly embedded in the walls of the hose lengths and extend through the apertures of the flanges of the coupling members and terminate in contact with the contacts in the insulating blocks. An annular insulating gasket is adapted to be compressed in grooves in the inner edges of the flanges to prevent access of water or other material to the contacts.

Without specifying materials, or enumerating equivalents, what I claim and desire to secure by Letters Patent is:—

The combination of two lengths of hose adapted to be coupled, a two part coupling comprising annular members having annular integral internally projecting flanges against the rear interior faces of which the ends of the hose lengths abut, said flanges having longitudinal apertures extending through the same adapted to register when the members are coupled, insulating blocks in said apertures, contacts in said blocks normally projecting slightly beyond the faces of the blocks, wires wholly embedded in the walls of the hose lengths and extending through the apertures in the flanges of the coupling members and terminating in contact with said contacts, and an annular insulating gasket adapted to be compressed in grooves in the inner edges of the flanges and prevent access of water or other material to the contacts.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

HARRY GROSWITH.

Witnesses:

GEO. W. JAEKEL,
GEO. L. COOPER.