

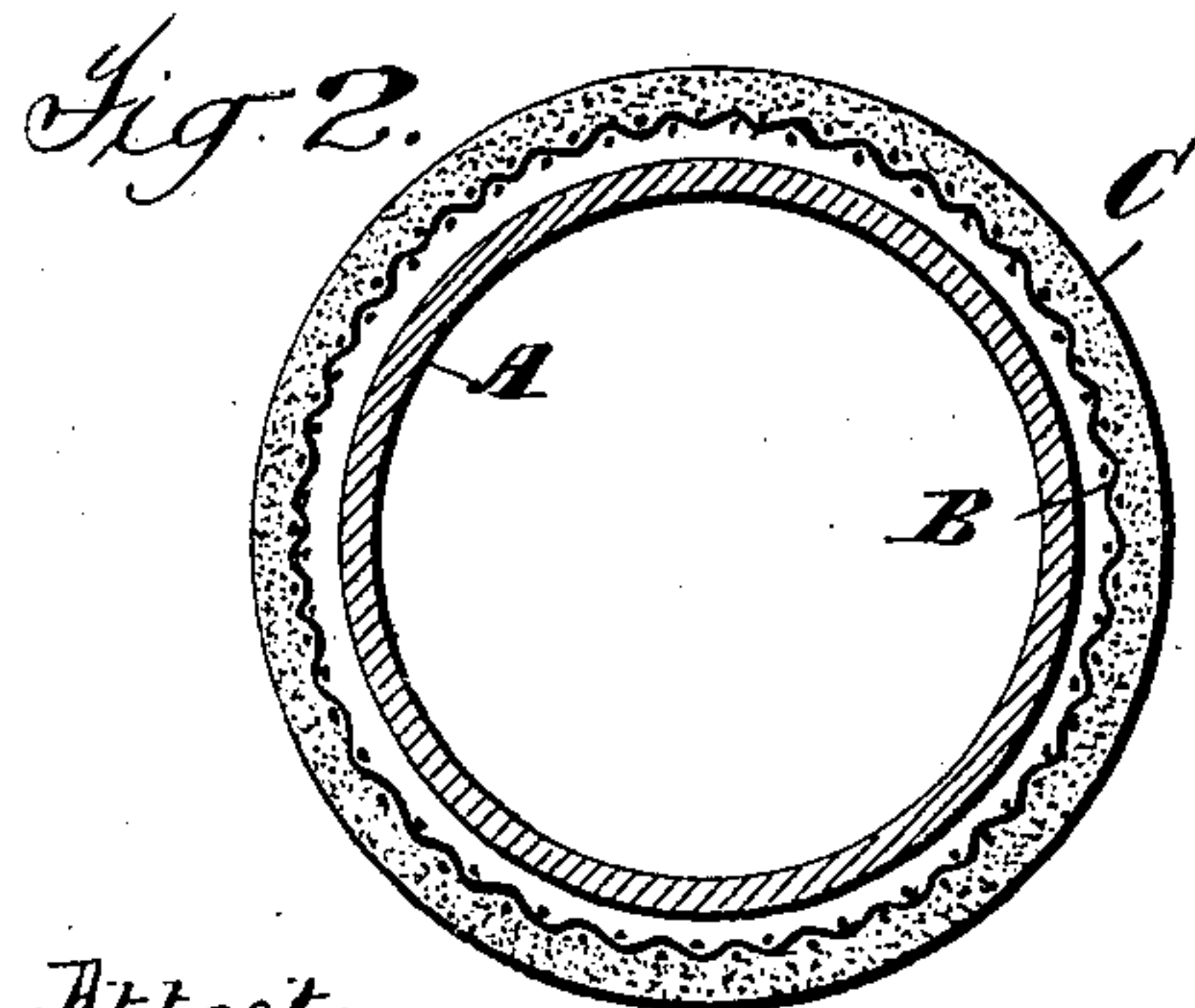
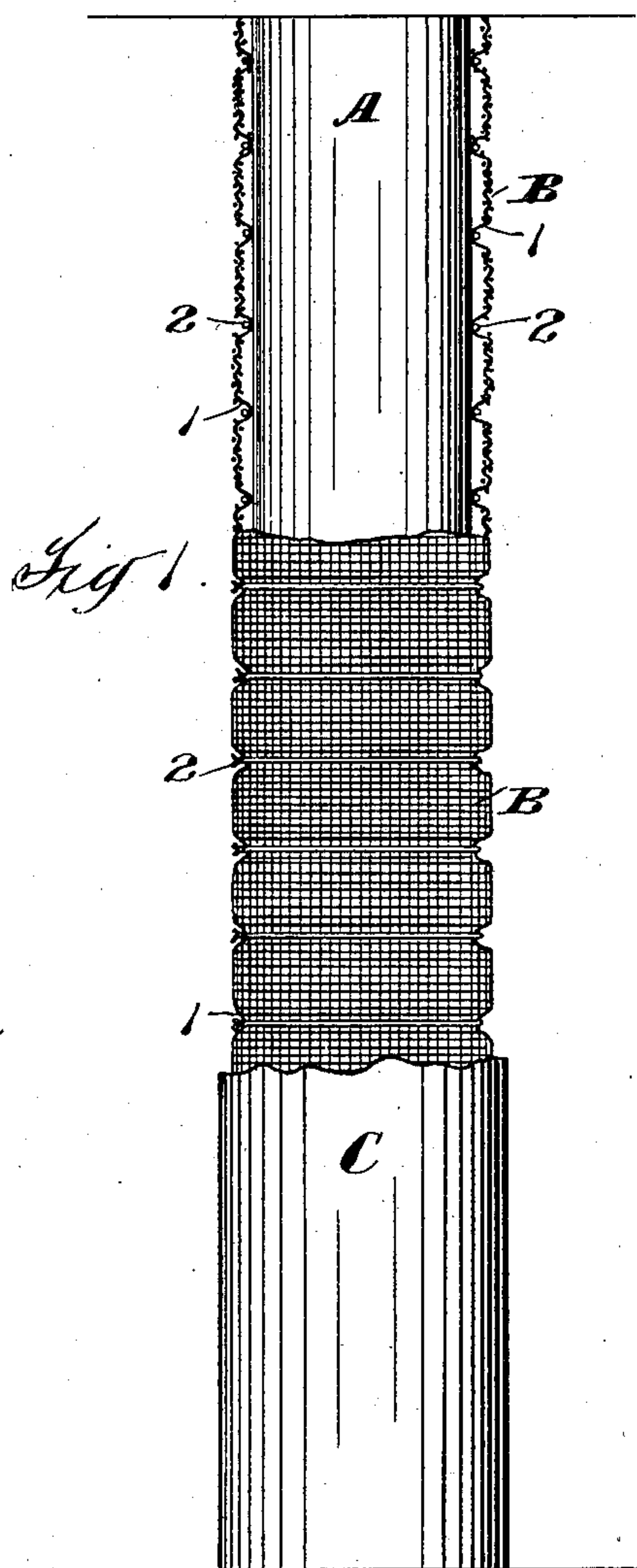
No. 754,064.

PATENTED MAR. 8, 1904.

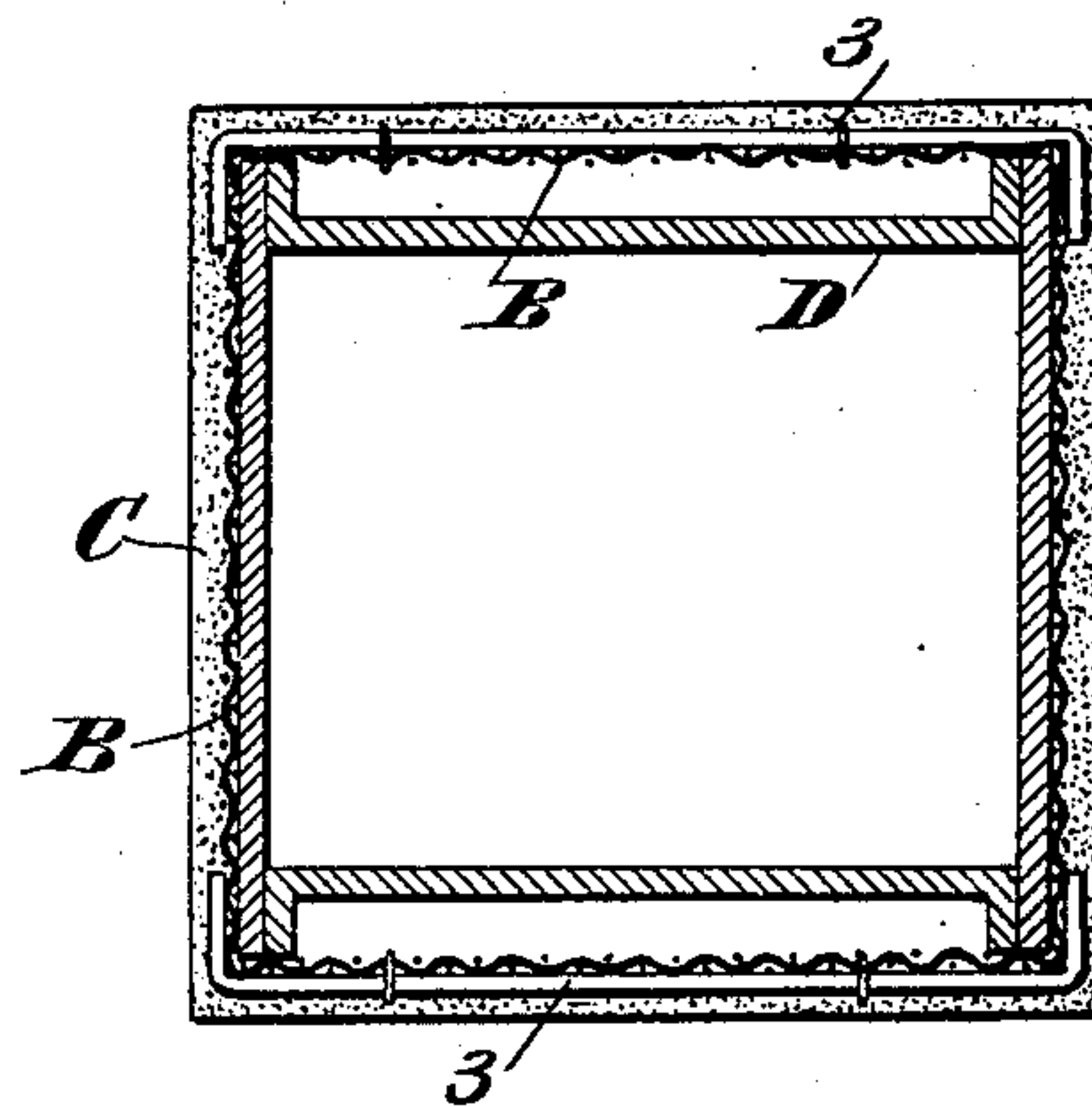
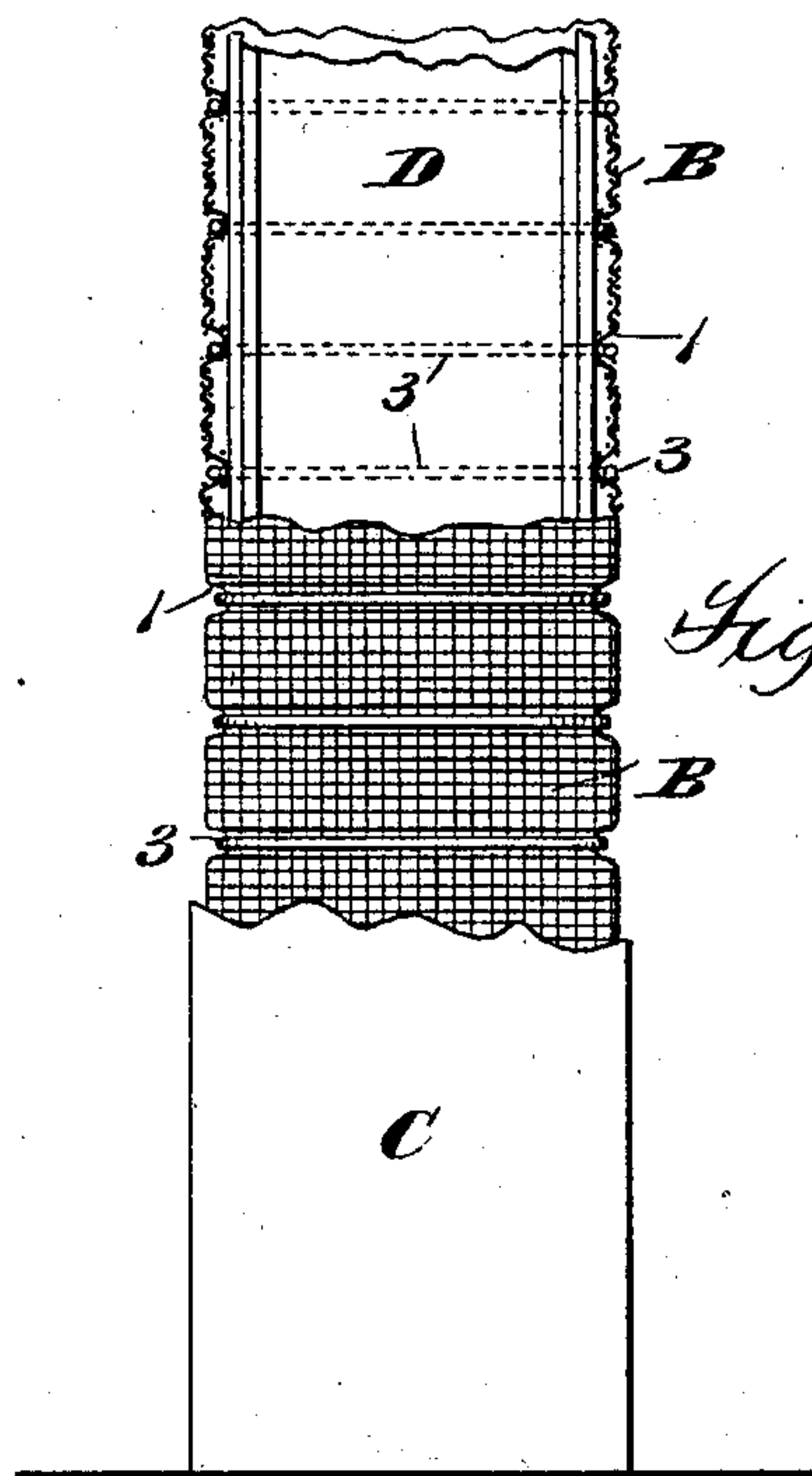
A. L. A. HIMMELWRIGHT.
FIREPROOF COVERING FOR COLUMNS OR THE LIKE.

APPLICATION FILED JULY 17, 1903.

NO MODEL.



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UNITED STATES PATENT OFFICE.

ABRAHAM L. A. HIMMELWRIGHT, OF NEW YORK, N. Y., ASSIGNOR TO THE
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FIREPROOF COVERING FOR COLUMNS OR THE LIKE.

SPECIFICATION forming part of Letters Patent No. 754,064, dated March 8, 1904.

Application filed July 17, 1903. Serial No. 165,930. (No model.)

To all whom it may concern:

Be it known that I, ABRAHAM L. A. HIMMELWRIGHT, a citizen of the United States, residing at New York, county of New York, and State of New York, have invented certain new and useful Improvements in Fireproof Coverings for Columns or the Like, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

The object of the present invention is to provide a simple, cheap, and efficient fireproof covering for columns, smoke-stacks, piping, and the like; and this result is secured by the use of sheets of metal lathing provided with corrugations at suitable distances apart and wrapped around the column or other structure, with the corrugations extending around the column, and secured by wire ties, rods, or other suitable means within the corrugations. The lathing is thus secured firmly in place with the corrugations in contact with the column, while the main body of the lathing stands away from the column to provide an air-space and for keying plaster applied on the outside of the lathing.

The invention will now be described in connection with the accompanying drawings, forming a part of this specification and illustrating constructions embodying the invention in some of its preferred forms, and the features forming the invention will then be specifically pointed out in the claims.

In the drawings, Figure 1 is an elevation of a vertical column or stack embodying the invention, the plaster and lathing being partially broken away to show the construction. Fig. 2 is a cross-section of the same on an enlarged scale. Figs. 3 and 4 are views corresponding to Figs. 1 and 2, showing another embodiment of the invention.

In the construction shown in Figs. 1 and 2, A is a round column or pipe, which may be of any size and height. B is metal lathing, shown as of the common woven-wire form and provided at suitable intervals with the corrugations 1, running around the column A, and 2 represents wire ties in the corrugations

1, by which the lathing B is secured in place on the column. Upon the lathing B is the covering of plaster or other suitable plastic material C for which the lathing forms the support. The lathing B is shown as a single sheet of such length and width as to cover the column, so that in applying the lathing it is necessary only to wrap the sheet of lathing about the column with the corrugations inward and secure it in place by the ties. It will be understood, however, that the lathing need not be in a single sheet, but that the required circumferential or longitudinal dimensions may be secured by two or more sheets of lathing, depending upon the size and length of the column or other structure to be covered. One advantage of my invention, however, is that it enables most work of this class to be done with a single sheet of lathing of the required width applied so as to envelop the structure to be covered and cut off for the length required.

The construction shown in Figs. 3 and 4 is substantially the same as that of Figs. 1 and 2, except that the invention is shown as applied in covering a square built-up metal column D. The lathing B is wrapped around the column, as shown, so as to cover the plain sides and connecting-flanges of the column, and is shown as secured in place by rods 3 in the corrugations on opposite sides of the column. It will be understood, however, that in this construction also wire ties extending entirely about the column may be used, as in the construction shown in Figs. 1 and 2, if desired, or other suitable means for holding the lathing in place. The rods 3 are preferably used, however, as they form stiffening-rods for the lathing and take the place of the usual metal furring or light steel framework employed with such columns or girders.

While I have shown the woven-wire form of metal lathing, it will be understood that the lathing may be of any other suitable form, such as netted wire or perforated or expanded metal, and that the term "wire lathing" is used to include all forms of perforated or reticulated metal.

What I claim is—

1. A covering for columns, stacks, piping and the like consisting of metallic lathing provided with corrugations running around the
5 column, securing means in the corrugations for holding the lathing in place, and a covering of plastic material on the lathing, substantially as described.
2. A covering for columns, stacks, piping
10 and the like consisting of metallic lathing provided with corrugations running around the column, wire ties or rods in the corrugations for holding the lathing in place, and a cover-
15 ing of plastic material on the lathing, substantially as described.

3. The combination with column or the like D having projecting flanges, of the lathing B inclosing the column and provided with corrugations running around the column and bearing against the flanges, and stiffening-
20 rods 3 in the corrugations securing the lathing in place, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

ABRAHAM L. A. HIMMELWRIGHT.

Witnesses:

C. J. SAWYER,
S. WINTHAL.