

(No Model.)

G. KELLY.  
NON CONDUCTING COVERING.

No. 273,687.

Patented Mar. 6, 1883.

FIG. 1.

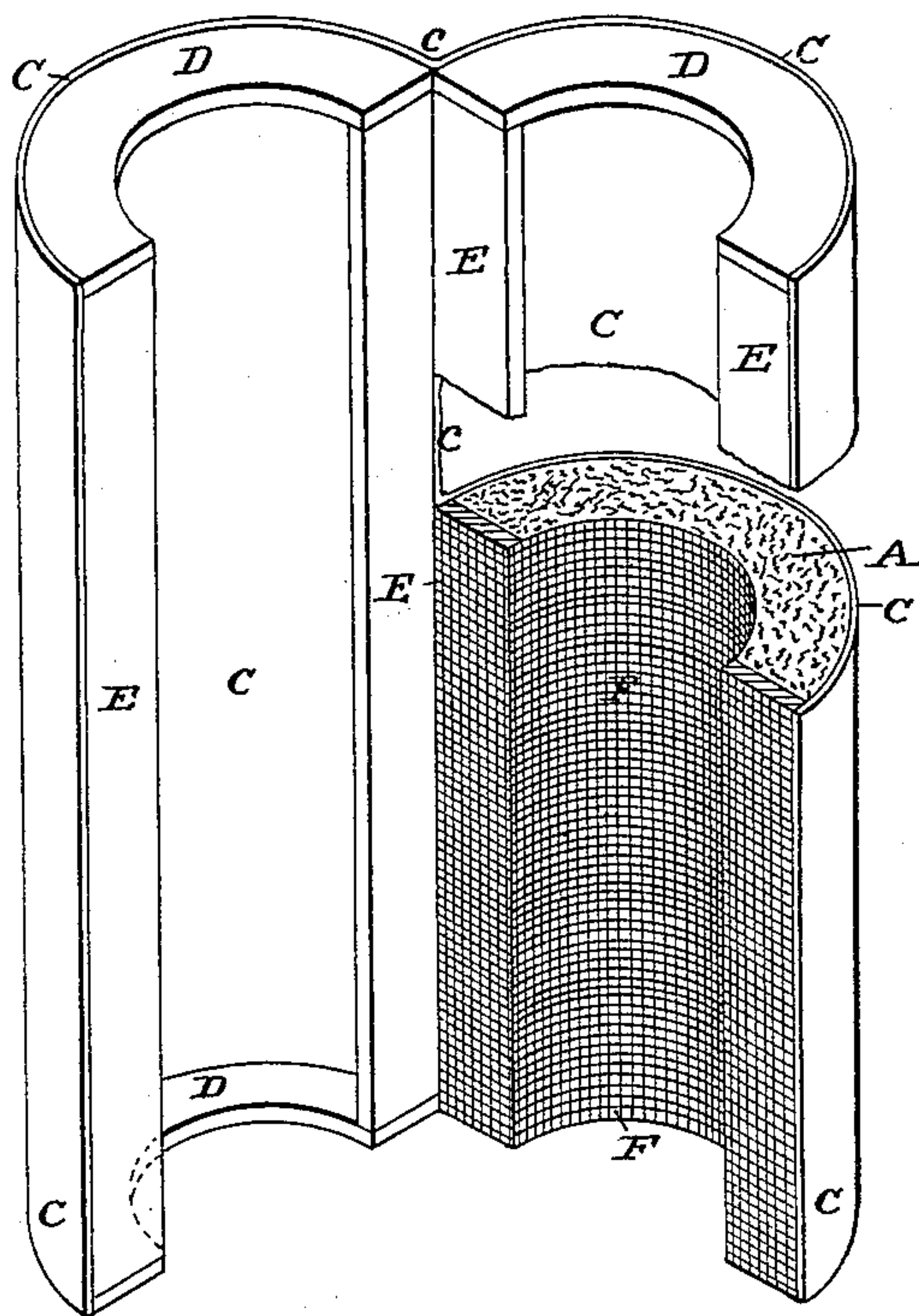
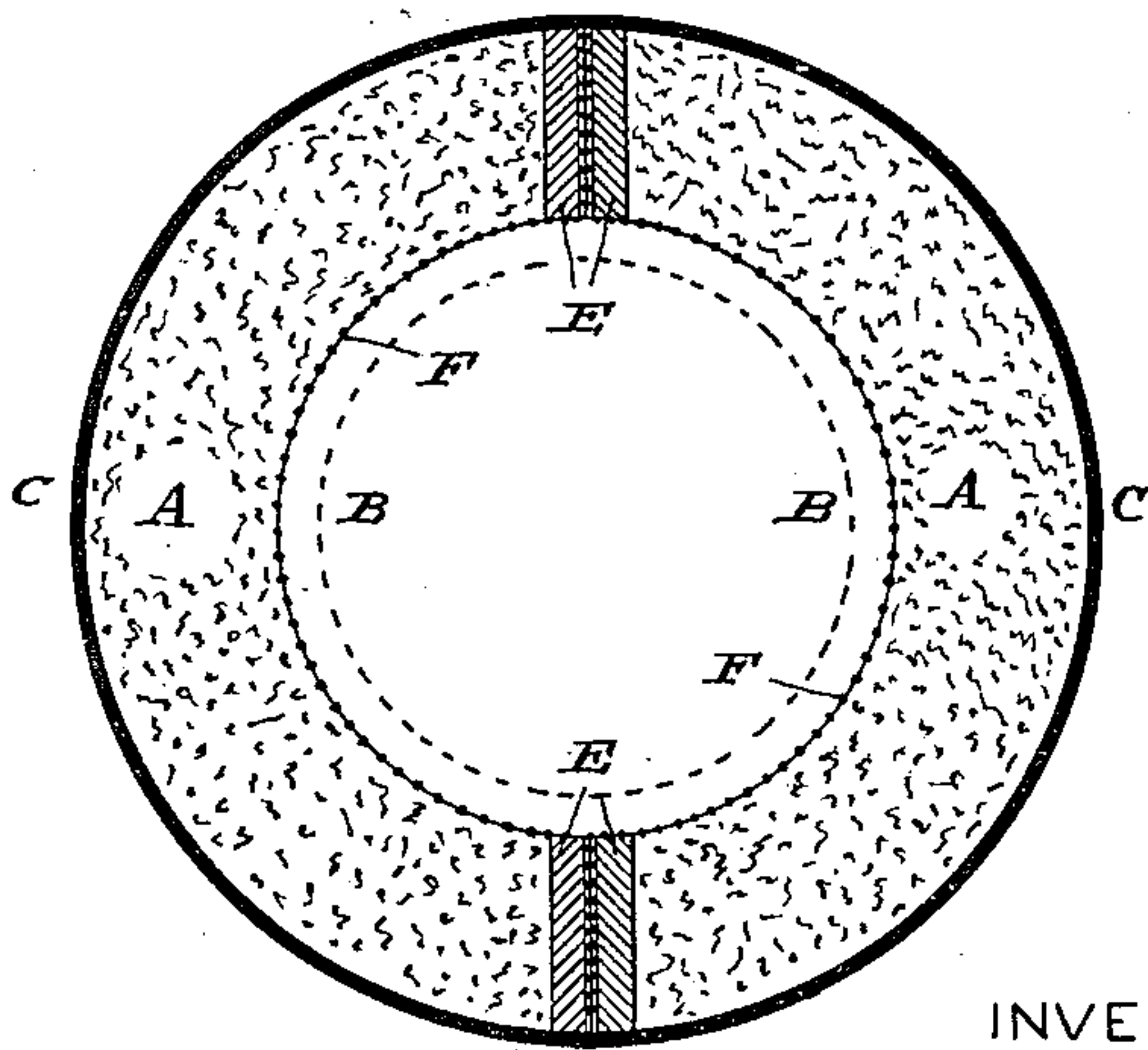


FIG. 2.



ATTEST:

*Robert Burns*

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# UNITED STATES PATENT OFFICE.

GEORGE KELLY, OF CHICAGO, ILLINOIS.

## NON-CONDUCTING COVERING.

SPECIFICATION forming part of Letters Patent No. 273,687, dated March 6, 1883.

Application filed December 9, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE KELLY, a citizen of the United States, residing in Chicago, Cook county, State of Illinois, have invented certain new and useful Improvements in Non-Conducting Coverings, of which the following is a specification.

My invention relates to improvements in that class of non-conducting coverings in which loose fibrous or granular non-conducting substances surround the steam-pipe or other surface, and which are held in place by a sleeve or casing; and my invention has for its object to provide an improved compartment or receptacle for such material, so that when packed it will form, as a new article of manufacture, a completed sectional covering ready for application. I attain such object by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of two sections of my improved covering hinged together at one of their edges, one portion being left unpacked to represent the construction of the casing. Fig. 2 is a transverse section.

Referring to the drawings, A represents the fibrous or granular non-conducting material by which the steam-pipe or other surface is surrounded.

C is the outer surrounding casing or covering, of paper or other suitable material, which retains the non-conducting material A in place around the pipe, &c., B; and in order to hold the covering C in a position concentric with the pipe B, I secure its ends to segmental end pieces, D, as shown, which are cut out to fit the curvature of said pipe.

E are longitudinal bearing bars or ribs uniting the end pieces, D, together at the point of juncture of the two sections of the completed covering. I prefer to form both the end pieces, D, and the bearing-bars E of paper-board, as I find that such material forms a very cheap and strong substance for such purpose, and at the same time possesses the additional advantage of being but little affected by heat or dampness.

F is the inner lining of my improved covering, which, in conjunction with the parts C, D, and E, forms a closed semi-annular chamber for the reception of the fibrous or granular non-conducting material A. The material I prefer to use in forming the inner lining, F, is ordinary wire-gauze, possessing, as it does, the advantageous features of lightness, facility of adapting itself to any required shape, and indestructiveness by heat.

In carrying out my invention the two sections that form the covering may be hinged together at c; or they may be formed as separate sections secured together by any ordinary means, as may be found most desirable or convenient.

The advantage derived from my improved construction is that I am enabled to form, complete and ready for the market, sectional coverings of loose fibrous or granular non-conducting matter, as now met in the art, and I am thus enabled to present such non-conducting coverings in a convenient form for use.

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

1. As an improved article of manufacture, a sectional non-conducting covering consisting of loose fibrous or granular non-conducting material inclosed in a semi-annular chamber consisting of outer covering, C, end pieces, D, bearing-bars E, and lining F, substantially as described, and for the purpose set forth.

2. In a sectional non-conducting covering, a semi-annular chamber or compartment consisting of an outer casing, C, end pieces, D, bearing-bars E, and lining F, substantially as described, and for the purpose set forth.

3. In a sectional non-conducting covering, as set forth, the bearing-bars E, formed of paper-board, for the purpose stated.

GEORGE KELLY.

Witnesses:

ROBT. BURNS,  
H. D. SMALLEY.