

(No Model.)

G. KELLY.

NON-CONDUCTING FILLING OR LINING.

No. 369,796.

Patented Sept. 13, 1887.

FIG. 1.

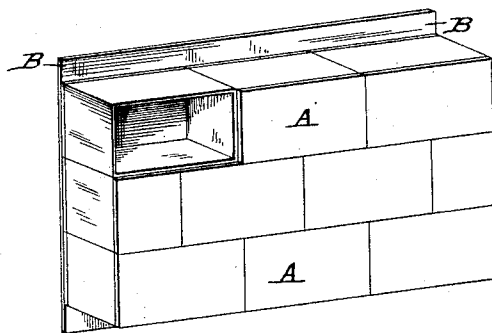


FIG. 2.

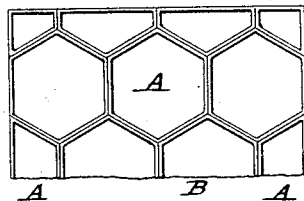
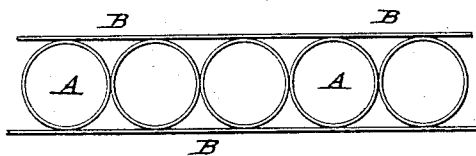


FIG. 3.



ATTEST:

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UNITED STATES PATENT OFFICE.

GEORGE KELLY, OF CHICAGO, ILLINOIS.

NON-CONDUCTING FILLING OR LINING.

SPECIFICATION forming part of Letters Patent No. 369,796, dated September 13, 1887.

Application filed August 23, 1886. Serial No. 211,691. (No model.)

To all whom it may concern:

Be it known that I, GEORGE KELLY, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Non-Conducting Fillings or Linings; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to the production of an improved body or material for use in or on walls, partitions, and like places to prevent the passage of sound, heat, or cold; and my improvement has for its object to supply in a ready, cheap, and convenient form a sectional sheet or body of non-conducting material having the properties of readiness of application, cheapness of construction, and lightness in handling, &c. I attain such object by the construction and adaptation of parts illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a non-conducting sheet or body embodying my invention; Fig. 2, a detail front view of a modified form of the same, and Fig. 3 a detail end view of another modified adaptation of the same.

Similar letters of reference indicate like parts in the several views.

As represented in the drawings, my present invention consists in the use of a series of separate closed boxes or shells, A, arranged closely together and secured to a base or backing sheet or strip, B, to form a sectional non-con-

ducting lining sheet or body that is adapted to be built up, cut, or severed to the shape and size required in use. These cells or boxes are intended to contain a body of confined or dead air, which by confinement is rendered non-conducting, and the walls of such cells will be made air-tight in any suitable and well-known manner.

The shape of the cells A may be varied to any suitable form at the will of the constructor, either square, polygonal, or round, as desired, without departing from the spirit of my invention; and in like manner the cell-tubes, where round or polygonal, may have their axis parallel with the face of the backing sheet or strip, as indicated in Fig. 3, or at right angles thereto, as indicated in Fig. 2.

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

As an improved article of manufacture, a non-conducting cellular body having flat exterior surfaces, the same consisting of a series of independent closed boxes or cells, connected substantially as shown, each of said boxes or cells containing confined or dead air, as and for the purpose specified.

In testimony whereof witness my hand this 16th day of August, 1886, at Chicago, Cook county, Illinois.

GEORGE KELLY.

In presence of—

ROBERT BURNS,
J. W. HARRIS.