

No. 775,986.

PATENTED NOV. 29, 1904.

S. OAKMAN.
INSULATOR.

APPLICATION FILED NOV. 7, 1903.

NO MODEL.

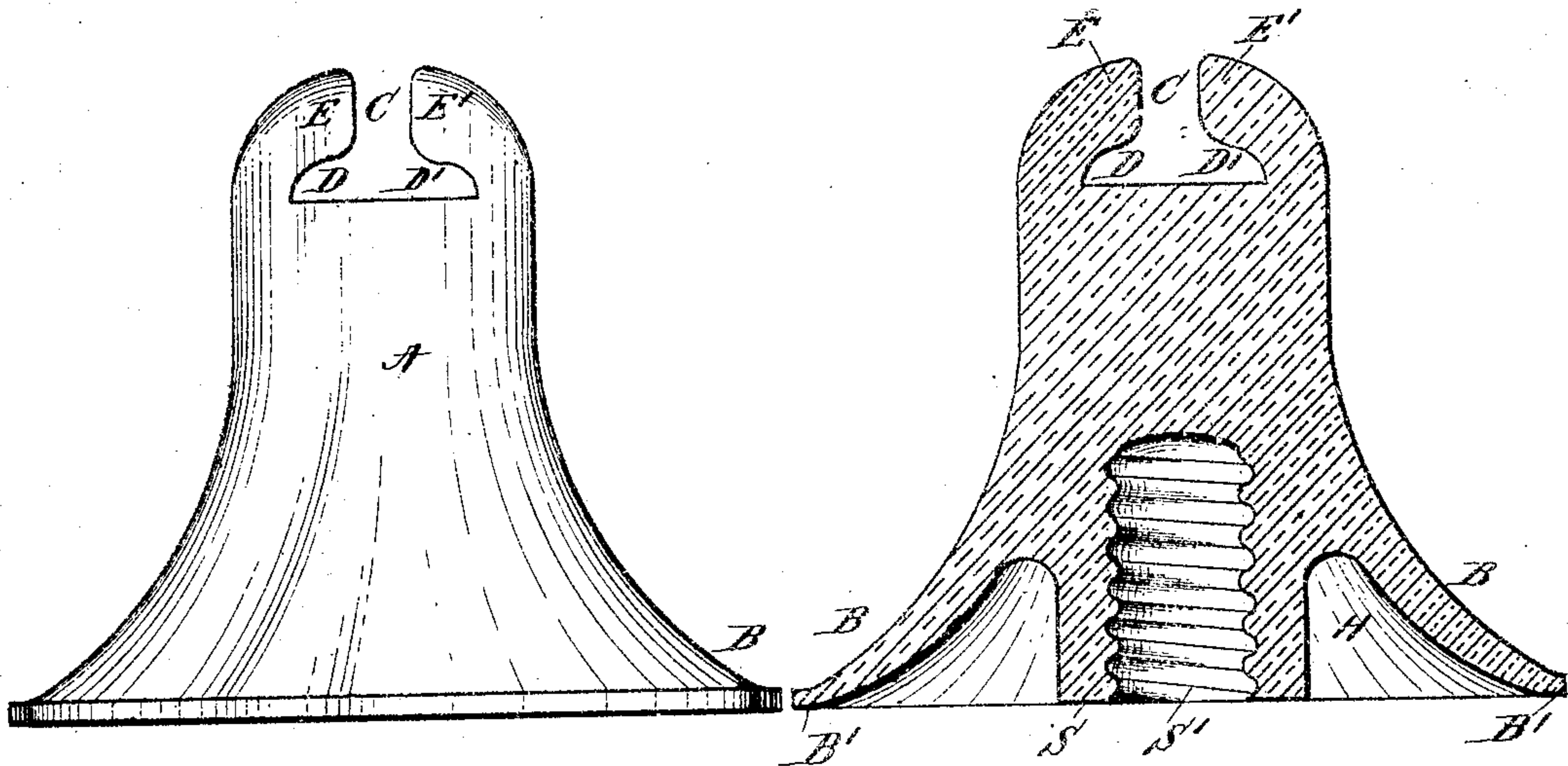


FIG. 1.

FIG. 2.

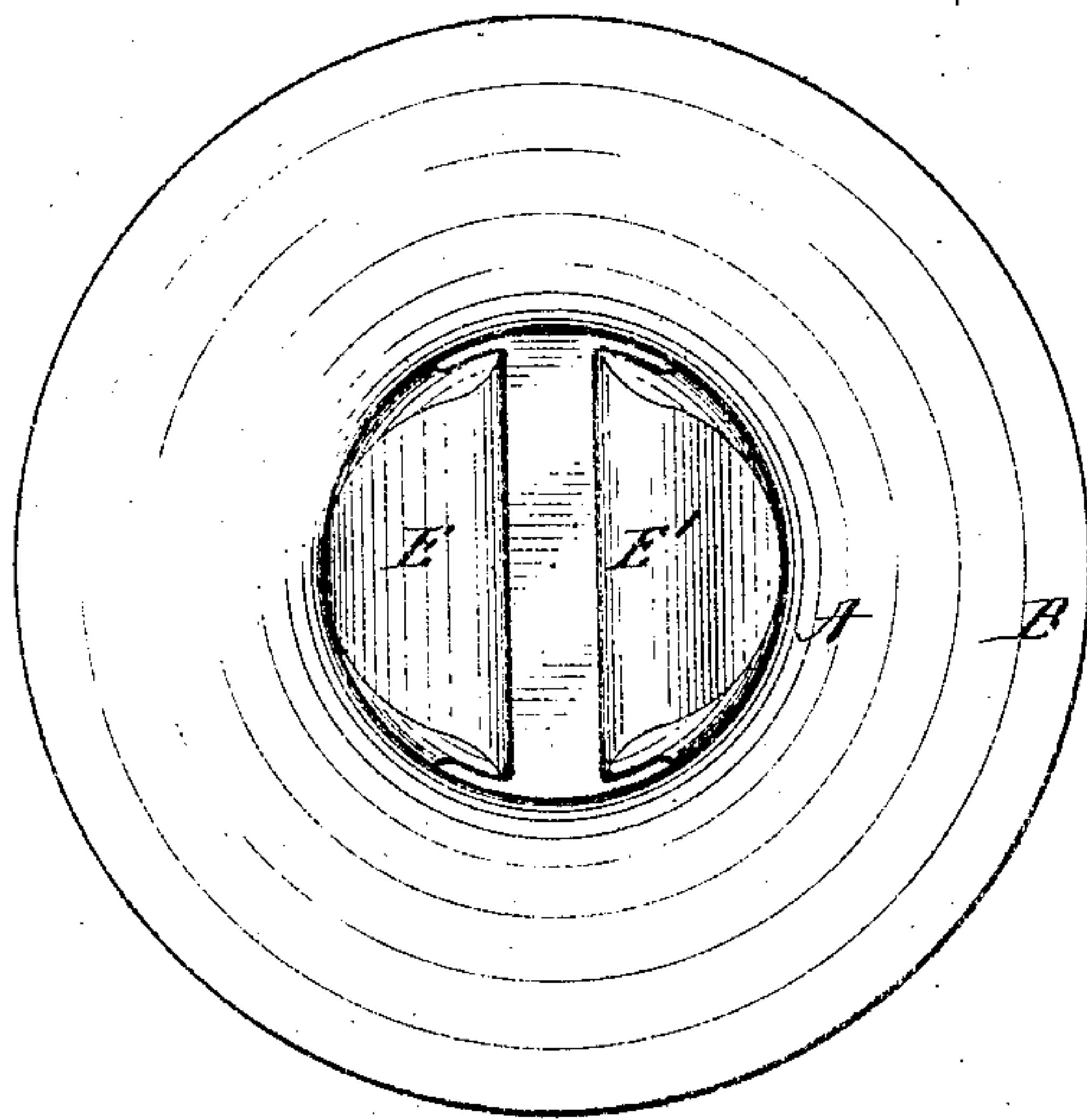


FIG. 3.

WITNESSES:

J. C. Brown.
Sarah E. Ropenole.

INVENTOR=

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UNITED STATES PATENT OFFICE.

SAMUEL OAKMAN, OF CHESHIRE, MASSACHUSETTS, ASSIGNOR TO
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INSULATOR.

SPECIFICATION forming part of Letters Patent No. 775,986, dated November 29, 1904.

Application filed November 7, 1903. Serial No. 180,246. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL OAKMAN, a citizen of the United States, residing in Cheshire, in the county of Berkshire and State of Massachusetts, have invented a new and useful Improvement in Insulators, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to that class of insulators that are used for insulating suspended wires carrying electric currents; and it consists in the peculiar arrangement and shape of the members of which it is composed, the object being to secure a better insulation. This object I attain by the construction shown in the accompanying drawings, in which—

Figure 1 is an elevation of one of my insulators. Fig. 2 is a vertical section of the same. Fig. 3 is a plan of the same.

My insulator may be attached to the cross-arm or any structure in the usual manner—that is, by a pin and screw socket S' or by any suitable means. It should be so far above its supporting structure that the under or interior surface H of the insulator shall be readily accessible to the hand, so that the caretaker may without trouble renew the insulating coating of paraffin or other substance that may be required.

The wire-holding members of the insulator consist of the members E and E', which overhang the lower part of the wire recess C, and thus form wedge-like lateral wire-receptacles D and D', so that when the wire is resting upon the insulator it can be drawn or will of its own accord enter one of the side recepta-

cles, and thus be held automatically, although as a matter of additional security a tie-wire may be used, said tie-wire passing around the lower part of one of the members E or E'. 40

The protecting-shield member B surrounds the socket-piece S and with it forms the annular chamber H. The shield member connects with the body of the insulator and extends downward and outward. Its lower rim at B' 45 is practically horizontal and spreads so as to cover a comparatively large area and thus to thoroughly protect the socket-piece S' and the screw-pin. It also forms a broad shallow chamber H, the walls of which are coated 50 with paraffin or its equivalent. The chamber H is broad and shallow, so that its interior coating of paraffin or the like may be readily applied and renewed.

I claim— 55

An electric insulator of this class having a protecting-shield entirely surrounding the body of the insulator and extending downward and outwardly until its outer rim becomes practically horizontal, whereby a broad 60 annular chamber is formed for receiving paraffin or other coating, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 5th day of November, A. D. 1903. 65

SAMUEL OAKMAN.

Witnesses:

F. C. BROWN,
Mrs. J. ROFENOLE.