

(No Model.)

E. ANDREWS.
ELECTRIC INSULATOR.

No. 428,545.

Patented May 20, 1890.

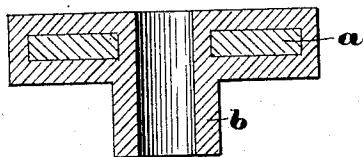


Fig. 2.

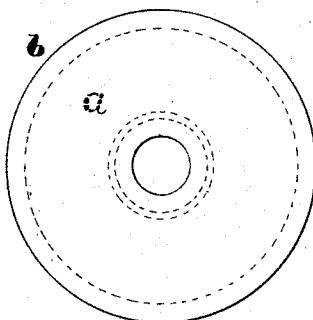


Fig. 1.

Witnesses:

Walter S. Lombard.
Henry H. Kendall.

Inventor:
Emery Andrews,
by N. S. Lombard
Attorney.

UNITED STATES PATENT OFFICE.

EMERY ANDREWS, OF KENNEBUNK, MAINE, ASSIGNOR TO THE LEATHEROID MANUFACTURING COMPANY, OF SAME PLACE.

ELECTRIC INSULATOR.

SPECIFICATION forming part of Letters Patent No. 428,545, dated May 20, 1890.

Original application filed November 4, 1889, Serial No. 329,174. Divided and this application filed January 24, 1890. Serial No. 338,027. (No model.)

To all whom it may concern:

Be it known that I, EMERY ANDREWS, of Kennebunk, in the county of York and State of Maine, have invented certain new and useful Improvements in Insulators, of which the following, taken in connection with the accompanying drawings, is a specification.

The subject-matter of my present invention is a division of another application of mine filed November 4, 1889, Serial No. 329,174, and relates to insulators for use in connection with electrical apparatus; and it consists in a molded and vulcanized insulator composed of an inner core of solid leatheroid or other strong insulating material and an inclosing covering composed of a mixture of ground or comminuted leatheroid and rubber thoroughly intermingled.

Figures 1 and 2 of the drawings are respectively a plan and a central section of an insulator illustrating a form of my invention adapted for use for insulating a column or standard from its supporting base-plate.

In the production of insulators I use the composition which forms the subject-matter of my before-cited application, mold it to the desired shape while in a plastic state, and vulcanize the same.

In some cases where extra strength is required, I form a solid inner core *a* of some

strong non-conducting material, preferably leatheroid, inclose it in a covering or envelope *b*, composed of a mixture of ground or otherwise finely-commminuted leatheroid and rubber, mold it to the desired shape, and then 35 vulcanize it.

These insulators will be made of different shapes, according to the places where they are to be used, and can be furnished at a much less cost than hard rubber, are stronger 40 than hard rubber, and have very nearly, if not quite, as good insulating properties as hard rubber.

What I claim as new, and desire to secure by Letters Patent of the United States, is— 45

A molded and vulcanized insulator composed of a solid inner core of some strong insulating material, as leatheroid, and an inclosing covering or envelope composed of a mixture of ground or comminuted leatheroid 50 and rubber thoroughly intermingled.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 18th day of January, A. D. 1890.

EMERY ANDREWS.

Witnesses:

N. C. LOMBARD,
STEPHEN MOORE.