

W. E. BROCK.  
Composition for Cornices, &c.

No. 146,985.

Patented Feb. 3, 1874.

Fig. 1.

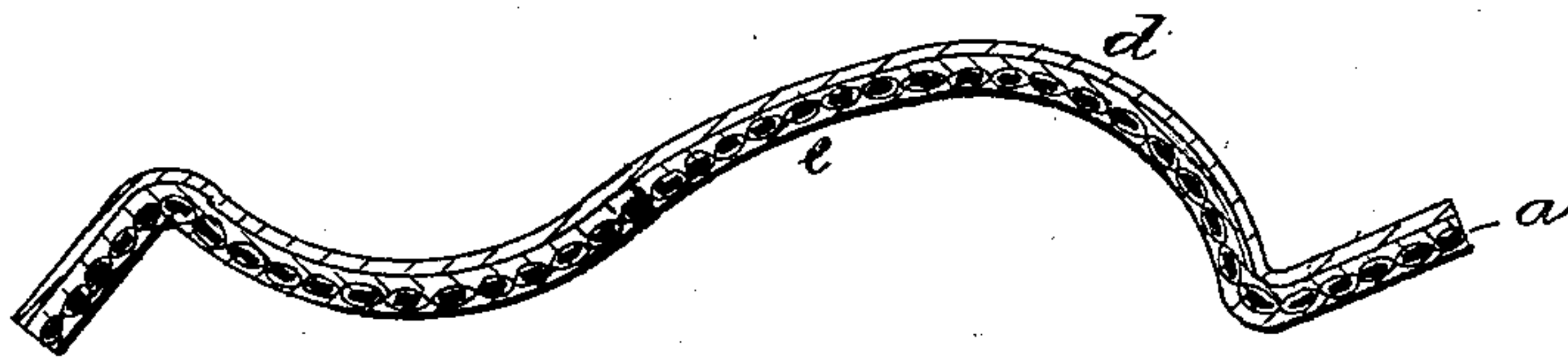
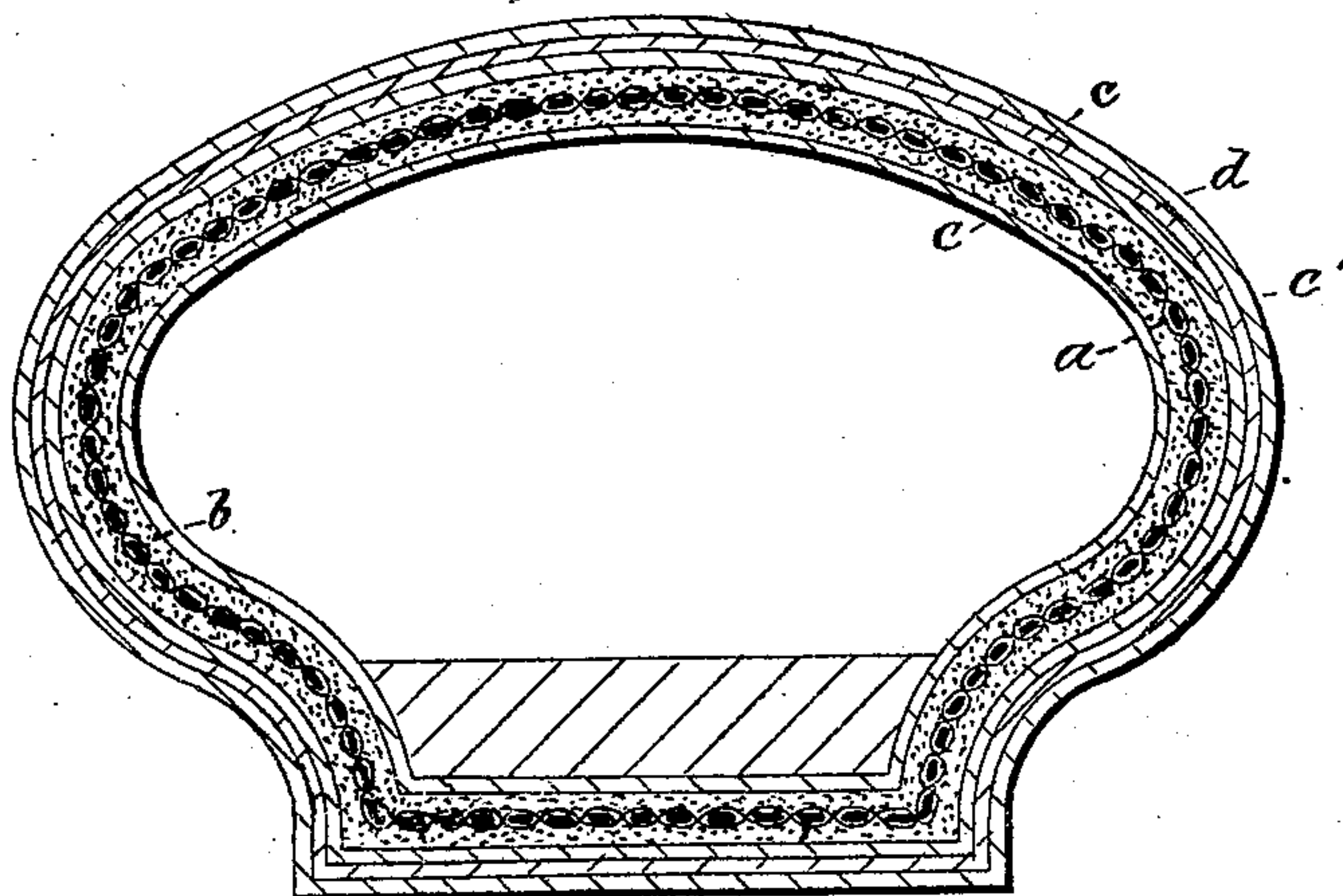


Fig. 2.



WITNESSES:

*James E. Smith*

*H. A. Daniels*

INVENTOR:

*Wm. E. Brock*

*by Attorney*

*W. Morris Smith*

# UNITED STATES PATENT OFFICE.

WILLIAM E. BROCK, OF NEW YORK, N. Y.

## IMPROVEMENT IN COMPOSITIONS FOR CORNICES, &c.

Specification forming part of Letters Patent No. **146,985**, dated February 3, 1874; application filed July 3, 1873.

### CASE B.

*To all whom it may concern:*

Be it known that I, WILLIAM E. BROCK, of New York city, in the county and State of New York, have invented an Improved Composition for the Manufacture of Cornices, or other articles which are exposed to the weather or to dampness, of which the following is a specification:

This invention, in the main, is similar to that described in Case A, for which I have made application for Letters Patent of even date herewith, which consists in saturating a woven fabric with a composition of glue, varnish, and whiting—in about the proportions of, glue, one pound; whiting, one pound; and varnish, four ounces—liquefied with a sufficient quantity of water and the required degree of heat. The fabric thus saturated is coated with fine sawdust, rolled in to combine with and absorb any expressed portion of this mixture, and is thus made to adhere to the fabric, which, when dry, is to be coated with a mixture of shellac dissolved in alcohol, and thickened with zinc-white or other suitable material to give it body, which will form a coating impervious to water. This coating may be repeated, if deemed necessary; and its object is to prevent the softening of the fabric during the application of the finishing coats of the mixture, as described in Case A, which, when dry, is ready for polishing, if such is desired; but, for outdoor exposure, paint with or without sand would be the common style of finish.

In the accompanying drawing, Figure 1 rep-

resents a cross-section of composition molding suitable for cornices, window-caps, or other architectural ornamentation exposed to the weather. Fig. 2 shows a like section of a banister-rail for either in or out-door use.

The different layers are indicated by letters, as follows: *a* represents the woven fabric; *b*, the layer of sawdust on each side, which is caused to adhere by being rolled into the saturated fabric; and *c*, in Fig. 2, is the coating of glue, varnish, and whiting on each side of the sawdust. *d* is the coating of shellac, alcohol, and zinc-white, to render it water-proof, as before described, and *c'* is the outer finishing coat, all as before mentioned.

In Fig. 1, the saturated fabric *a* may be covered on its under side with a stout paper, *e*, to prevent it from sticking to the "former," and, when sufficiently hard, is finished on the outside with the zinc composition *d*, when it is in condition for painting and sanding for outdoor work.

What I here claim as new, and desire to secure by Letters Patent, is—

A woven fabric, saturated as described, coated first with fine sawdust, and, when dry, with an alcoholic solution of shellac, thickened with zinc-white or any other suitable material to give body, so as to be impervious to moisture, to be finished substantially as hereinbefore described.

W. E. BROCK.

Witnesses:

W. MORRIS SMITH,  
H. A. DANIELS.