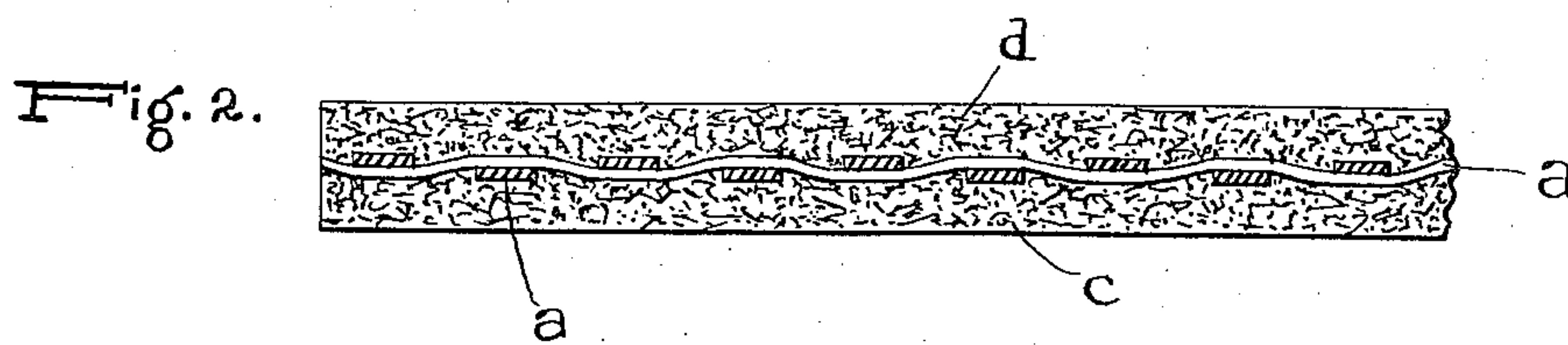
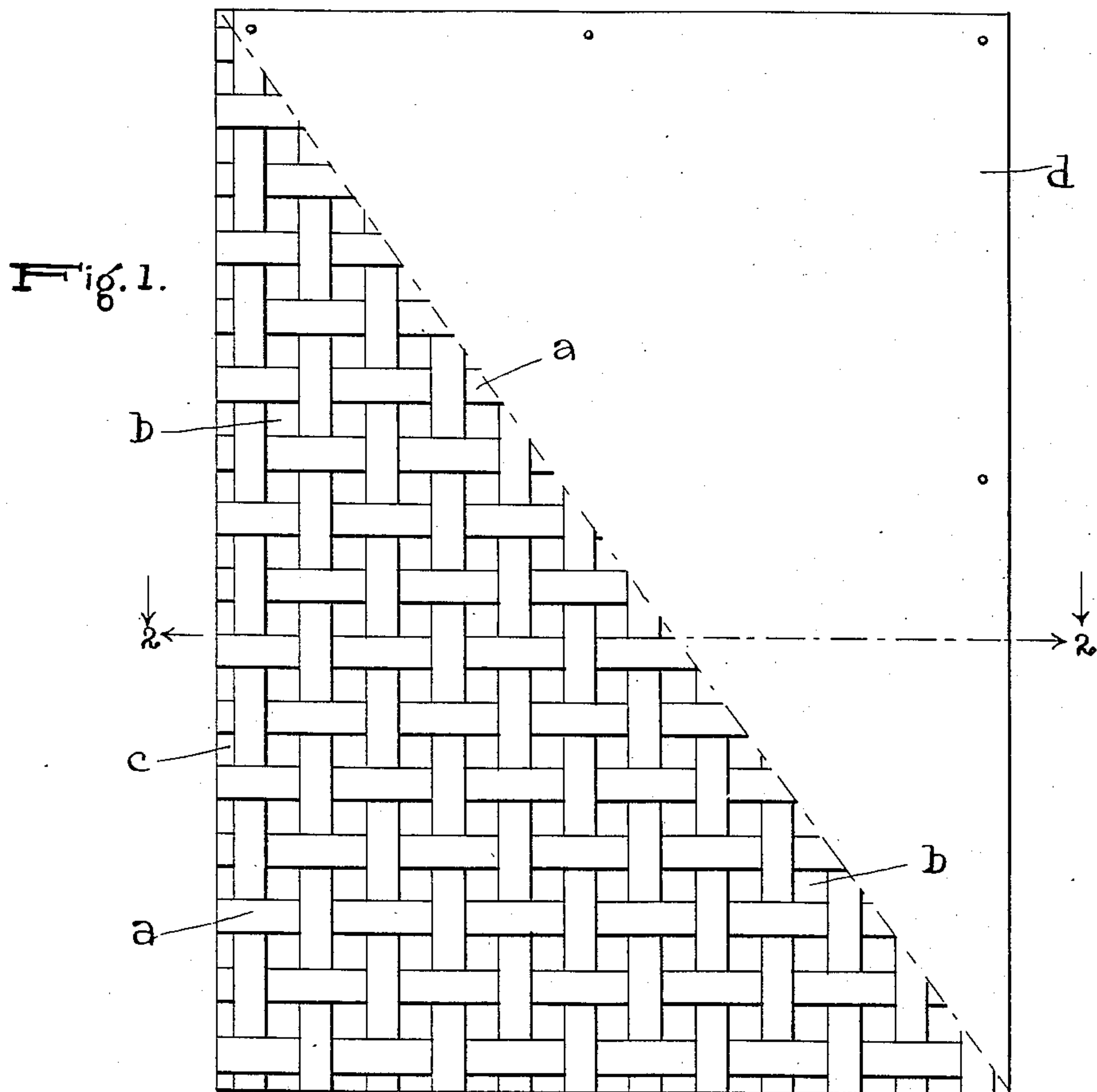


No. 896,326.

PATENTED AUG. 18, 1908.

E. C. ROBERTS.
PLASTER BOARD OR PLAQUE.
APPLICATION FILED NOV. 6, 1907.



Witnesses

Stuart Hilder.
George M. Anderson.

By

E. W. Anderson
his

Inventor

Edward C. Roberts,

Attorney.

UNITED STATES PATENT OFFICE.

EDWARD C. ROBERTS, OF SALTVILLE, VIRGINIA.

PLASTER BOARD OR PLAQUE.

No. 896,326.

Specification of Letters Patent.

Patented Aug. 18, 1908.

Application filed November 6, 1907. Serial No. 400,931.

To all whom it may concern:

Be it known that I, EDWARD C. ROBERTS, a citizen of the United States, resident of Saltville, in the county of Smyth and State of Virginia, have made a certain new and useful Invention in Cement Boards or Plaques; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 is a side view of the invention partly broken away. Fig. 2 is a section on the line 2—2, Fig. 1, on a larger scale and partly broken away.

The invention relates to composite plaster boards or plaques, and it consists in the novel construction and combinations of parts as hereinafter set forth.

In the accompanying drawings, illustrating the invention, the letter *a*, designates a web or network of tough resilient wood the splints of which are about 6/100 inch thick and one half-inch in width and are woven together to leave interspaces *b*, about one-half inch square. A mold or box of suitable size, usually about 32x36 inches with a depth of two inches, being provided, there is spread evenly upon the bottom thereof to a depth of about one-fourth inch a layer of mortar or cement *c*, made of equal measures of stucco (calcined gypsum) and wood fiber or wood pulp. The web or network aforesaid being laid upon the cement layer, a similar layer *d*, is spread evenly over the top thereof to a similar depth or thickness. A top or rammer of about one and one-half inches in thickness

and fitting neatly in the box or mold is then forced down upon the top layer of mortar or cement under a suitable press until the top surface of such rammer is even or level with the top of the box or mold. The upper and lower layers of mortar or cement *c*, and *d*, will then have been forced into the interspaces *b*, of the web or network to entirely fill the same, the completed board or plaque having a thickness about equal to the combined thicknesses of the two cement layers, or one half-inch. The wooden splints having a rough, porous surface the cement will closely adhere thereto, and the wood fiber of the cement entering between the splints in the interspaces will serve as an effectual bind. The ends of the splints or strips of wood are loose and unbound the cement body which surrounds the same acting as a binding means to prevent dislocation thereof.

Having described the invention, what I claim and desire to secure by Letters Patent is:

A light interior frame of woven splints of wood of thin charactersaid splints being separated from each other, having quadrangular interspaces and loose unbound ends, and a body of compressed cement having wood fiber constituent, located on both sides of said frame around the loose ends of the splints and forming a complete filling for said interspaces and a binding means for the loose ends of the splints.

In testimony whereof I affix my signature, in presence of two witnesses.

EDWARD C. ROBERTS.

Witnesses:

H. B. SNYDER,
LOCKIE WALKER.