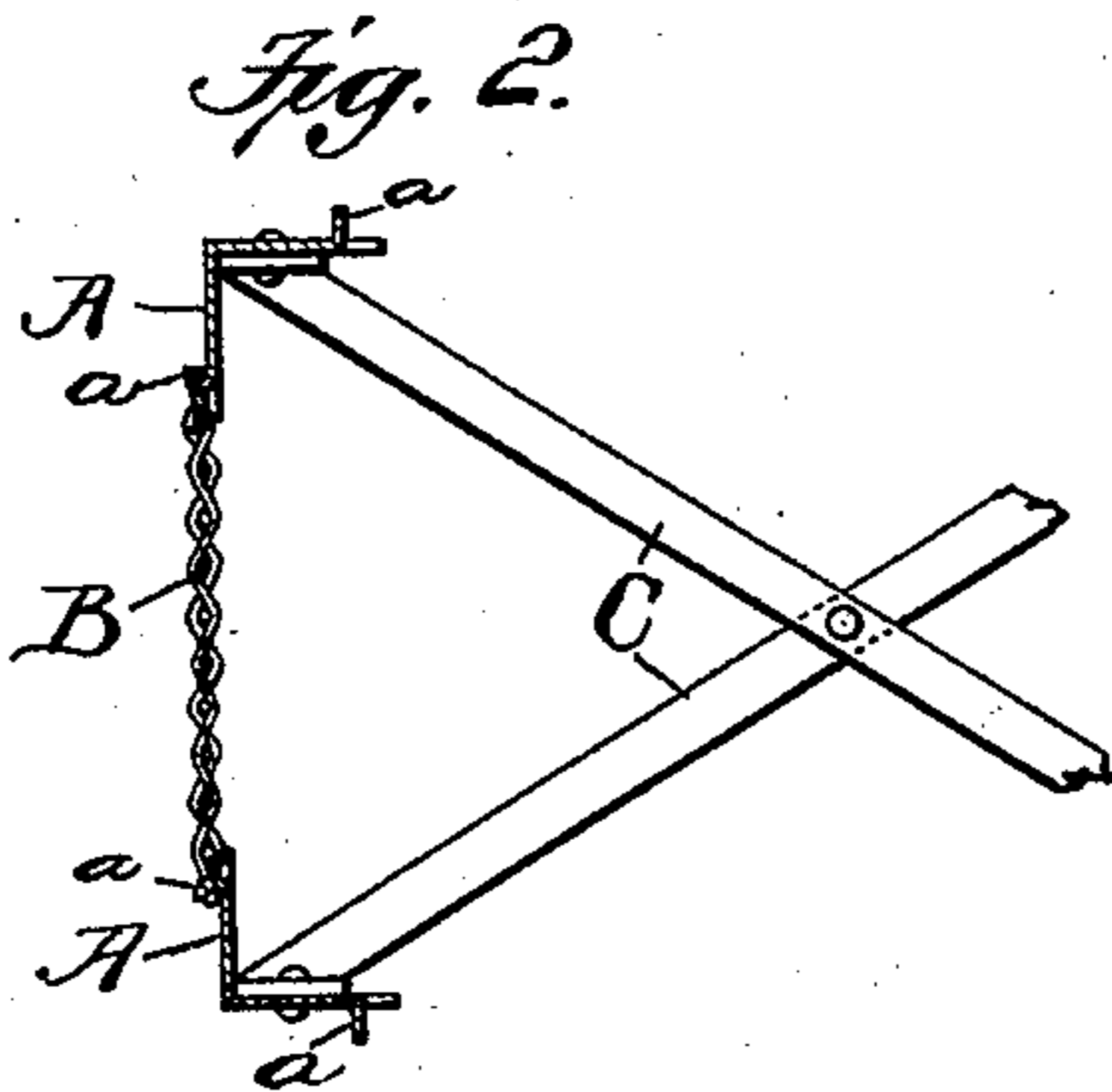
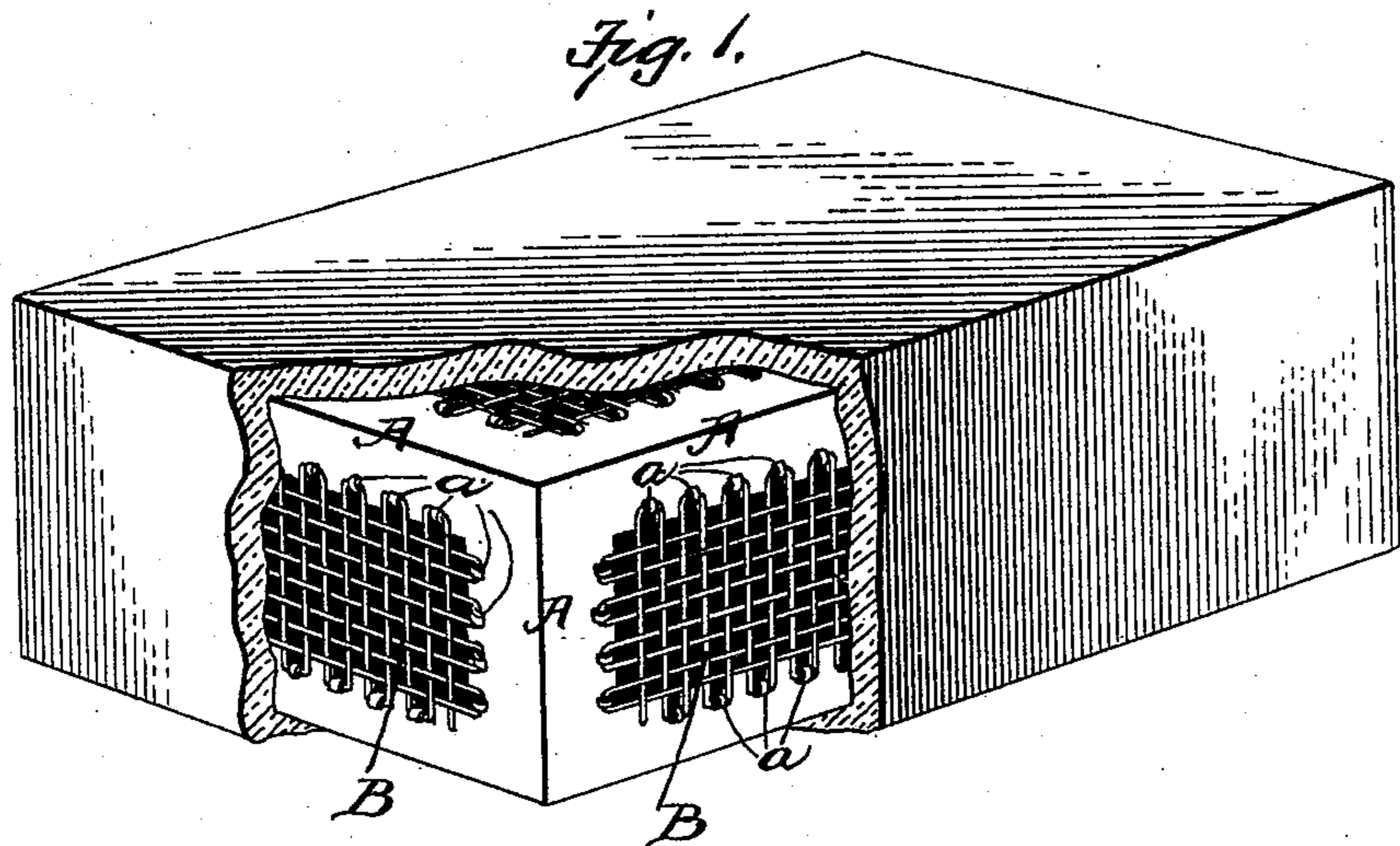


(No Model.)

J. SCHUMACHER.
COMPOSITION BUILDING BLOCK AND COLUMN.

No. 581,142.

Patented Apr. 20, 1897.



Witnesses:
G. A. Pennington
J. R. Cornwall

Inventor
Johannes Schumacher
by Paul Bapwell
his atty.

UNITED STATES PATENT OFFICE.

JOHANNES SCHUMACHER, OF ST. LOUIS, MISSOURI.

COMPOSITION BUILDING BLOCK AND COLUMN.

SPECIFICATION forming part of Letters Patent No. 581,142, dated April 20, 1897.

Application filed May 7, 1896. Serial No. 590,577. (No model.)

To all whom it may concern:

Be it known that I, JOHANNES SCHUMACHER, a citizen of the United States, residing at the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Composition Building Blocks and Columns, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of a composition building-block made in accordance with my invention. Fig. 2 is a detail sectional view through a portion of the same.

This invention relates to a new and useful improvement in composition building blocks and columns; and it consists, generally stated, in covering a suitable skeleton framework with a concrete material, said framework having means for the intimate attachment of said composition material, comprising a metallic meshwork which is secured to the framework by projections struck up therefrom, as will hereinafter appear. Other features of the invention reside in the construction, arrangement, and combination of the several parts, all as will hereinafter be more fully described, and afterward pointed out in the claims.

In the drawings, A indicates a suitable framework, which may be of wood or any suitable material, but I prefer to form the same of angle-iron. This framework is built up in skeleton form in such shape as will make it strong enough to withstand the contemplated strain, and if it is to be a column it will of course be made in the proportions desired.

B indicates metallic lathing or wire mesh, which is secured to this framework and to which the composition material adheres when applied. As shown in the drawings, this meshwork is attached by having its looped ends passed over projections *a*, struck up from the angle-iron, which projections are afterward bent outwardly and down to hold the meshwork firmly in place. In the instance that the framework should be of wood this meshwork can be secured by staples, as is usual.

C indicates suitable braces for this skeleton framework, which may be of any desired or approved form.

After the skeleton framework has been constructed, either in the position it is desired that the block or column shall occupy when finished or in a shop, whence it may be transported to the place it is to occupy, a composition material of cement and sand or other known ingredients is plastered on the outside and given such shape as it is desired the exterior shall have. This composition material is of course applied in a moist state and passes through the meshes of the lathing, whereby an intimate attachment is made for this covering.

I am aware that many minor changes in the construction, arrangement, and combination of the several parts of my device may be made and substituted for those herein shown and described without in the least departing from the nature and principle of my invention.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. The herein-described composition building block or column comprising the combination with angle-irons having projections struck up from their edges, of a wire mesh which is secured to said angle-irons by having its loops passed over said projections, said projections being bent down over the loops to secure them in place, and a composition material; substantially as described.

2. The herein-described composition building block and column comprising a skeleton frame made of angle-iron, wire mesh which is secured to said angle-iron by means of projections struck up from the angle-irons, suitable bracing for said angle-irons, and a composition material; substantially as described.

In testimony whereof I hereunto affix my signature, in presence of two witnesses, this 2d day of May, 1896.

JOHANNES SCHUMACHER.

Witnesses:

F. R. CORNWALL,
HUGH K. WAGNER.