

No. 677,800.

Patented July 2, 1901.

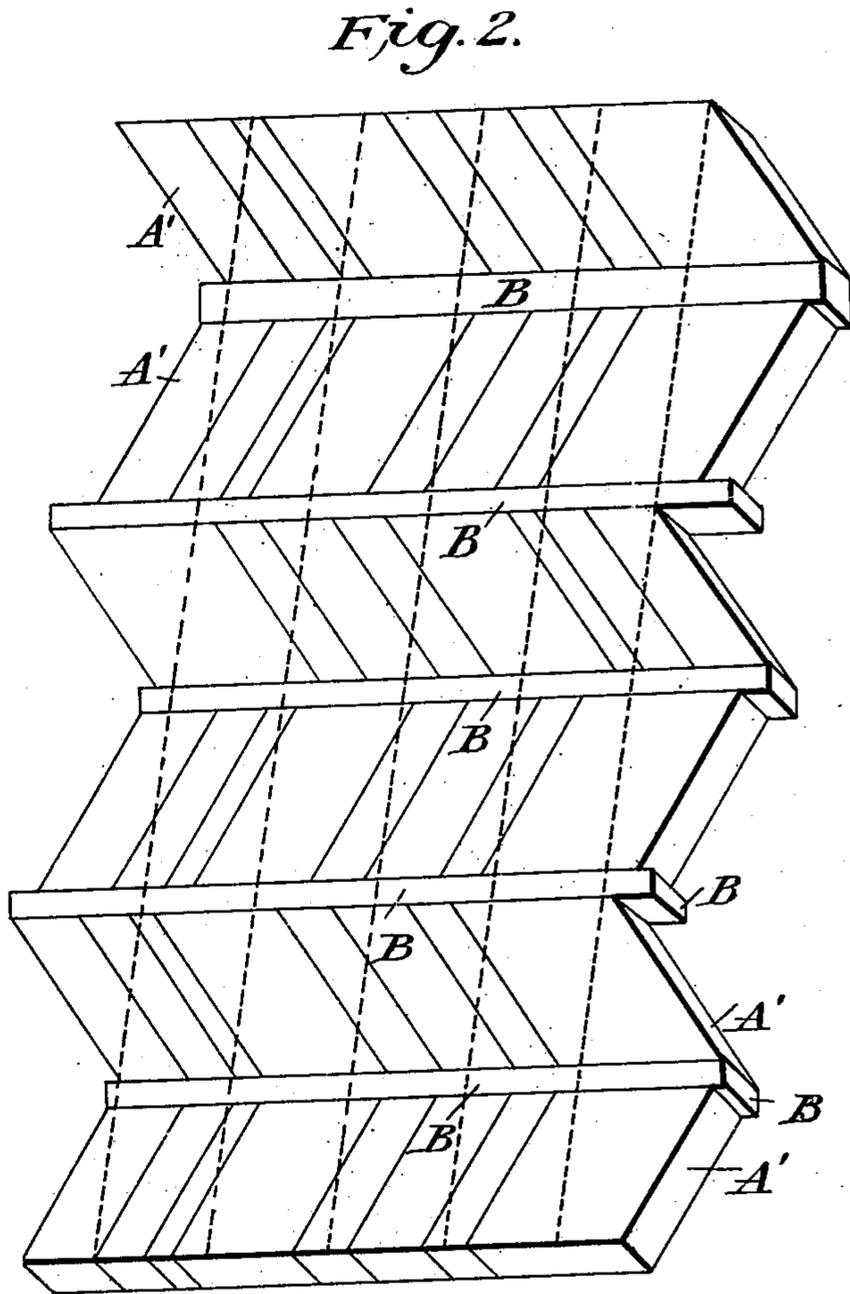
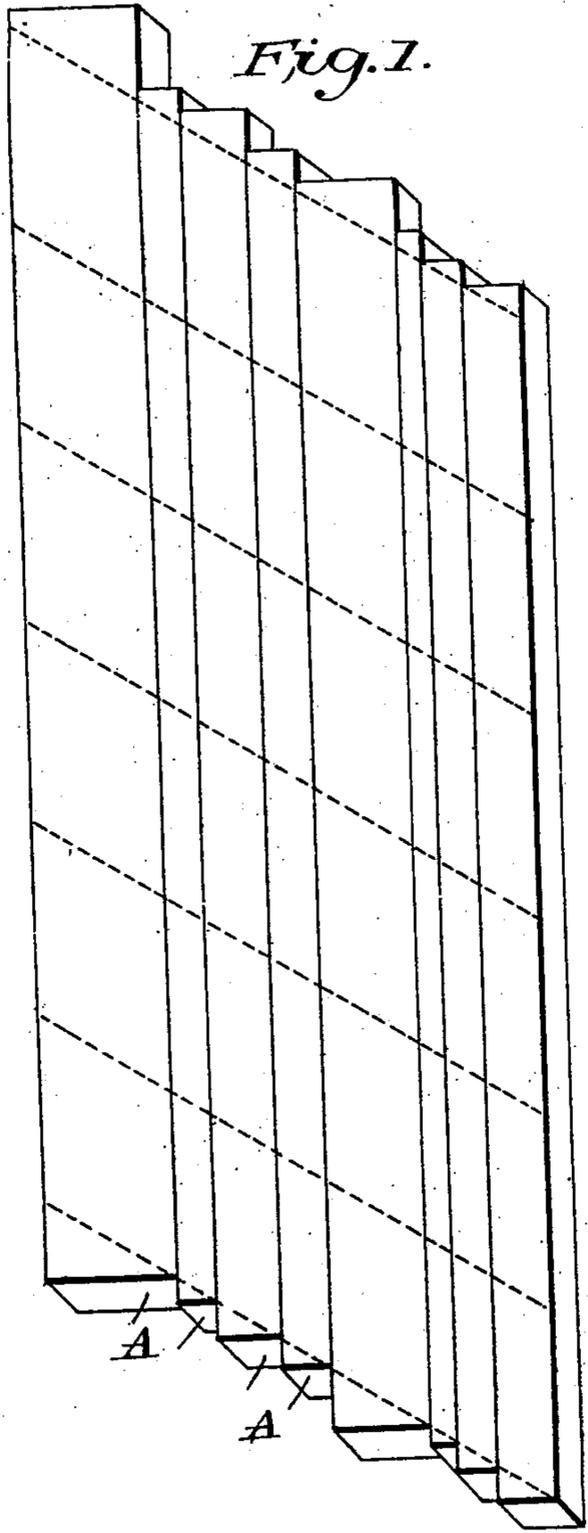
W. J. ROCKWOOD.

PROCESS OF THE MANUFACTURE OF MOSAIC ART PANELS.

(Application filed Jan. 15, 1900.)

5 Sheets—Sheet 1.

(No Model.)



Witnesses:

Ellis C. Gillies
Geo. O. Remer

Inventor:

William Jackson Rockwood

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Fig. 3.

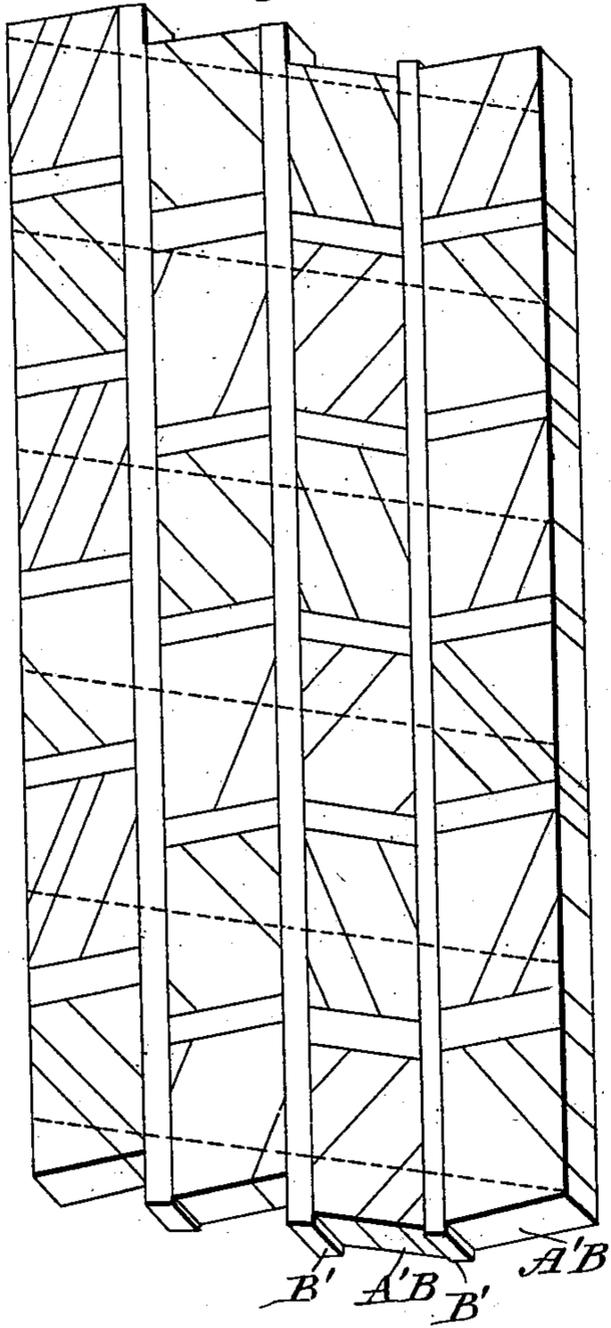
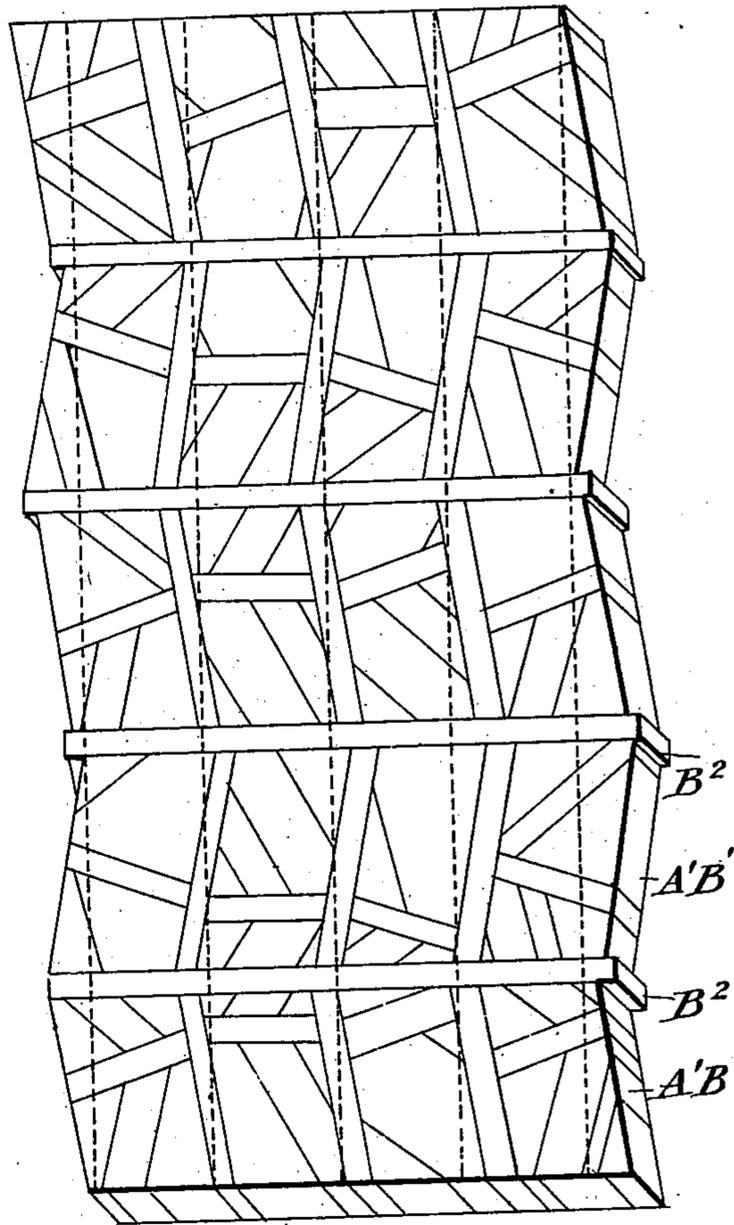


Fig. 4.



Witnesses:

Edw. C. Miller
Geo. O. Reimer

Inventor:

William Jackson Rockwood

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Fig. 6.

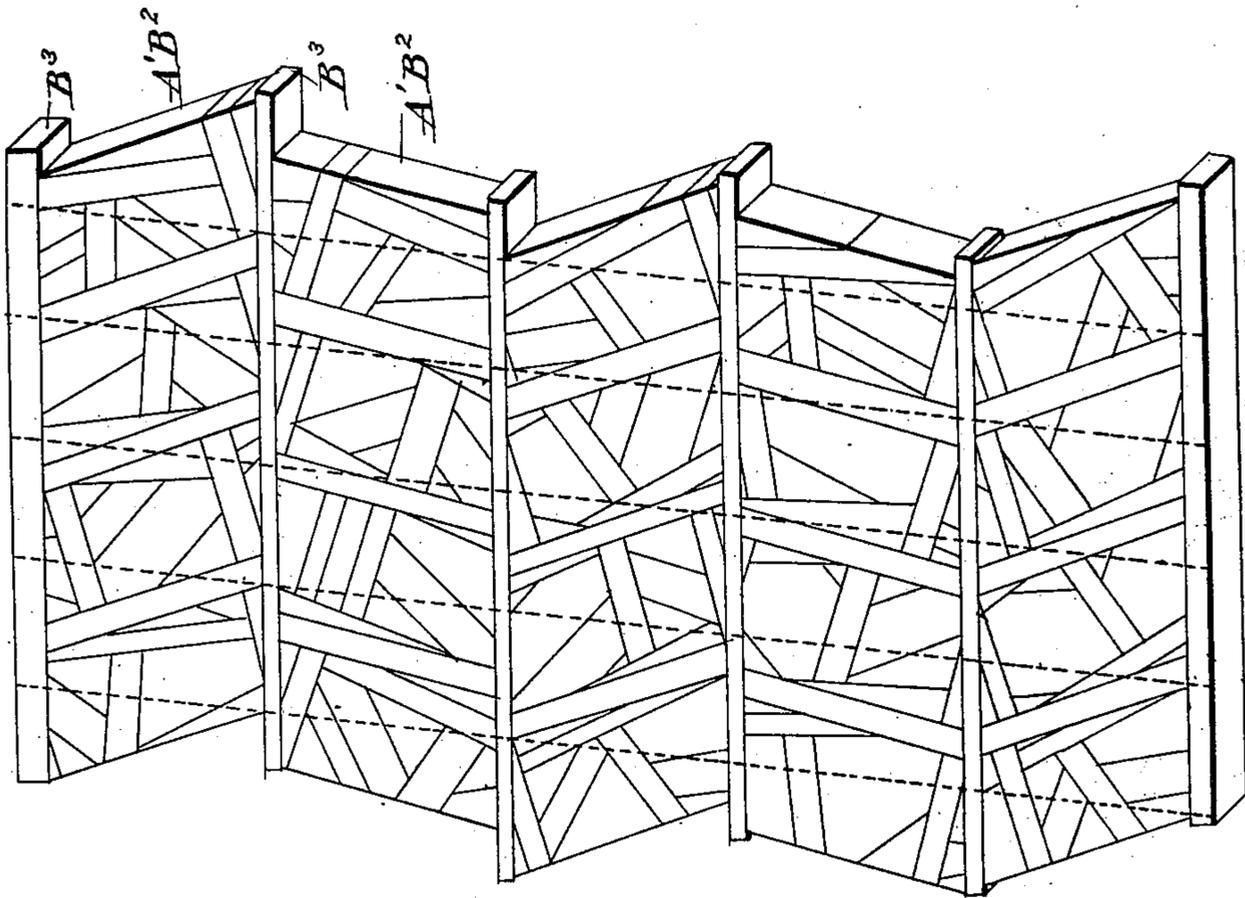
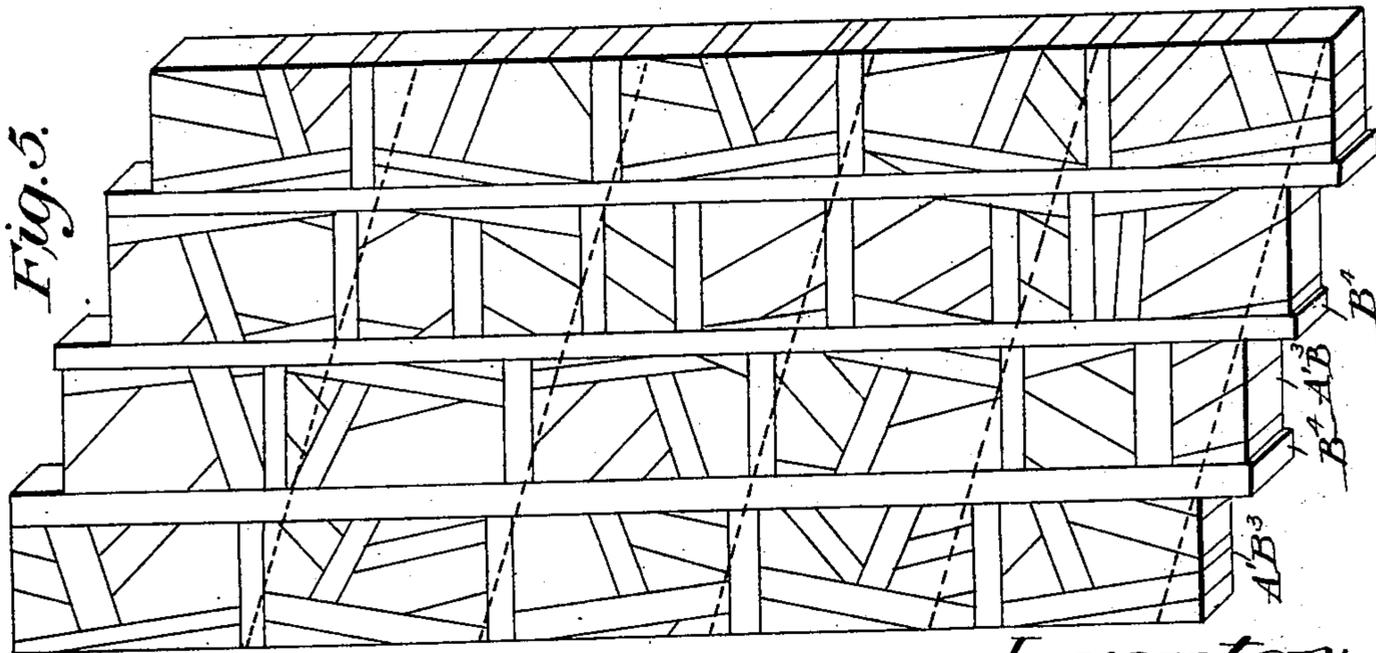


Fig. 5.



Witnesses:

Inventor:

Ellis C. Killeb *William Judson Rockwood*
Geo. O. Remner

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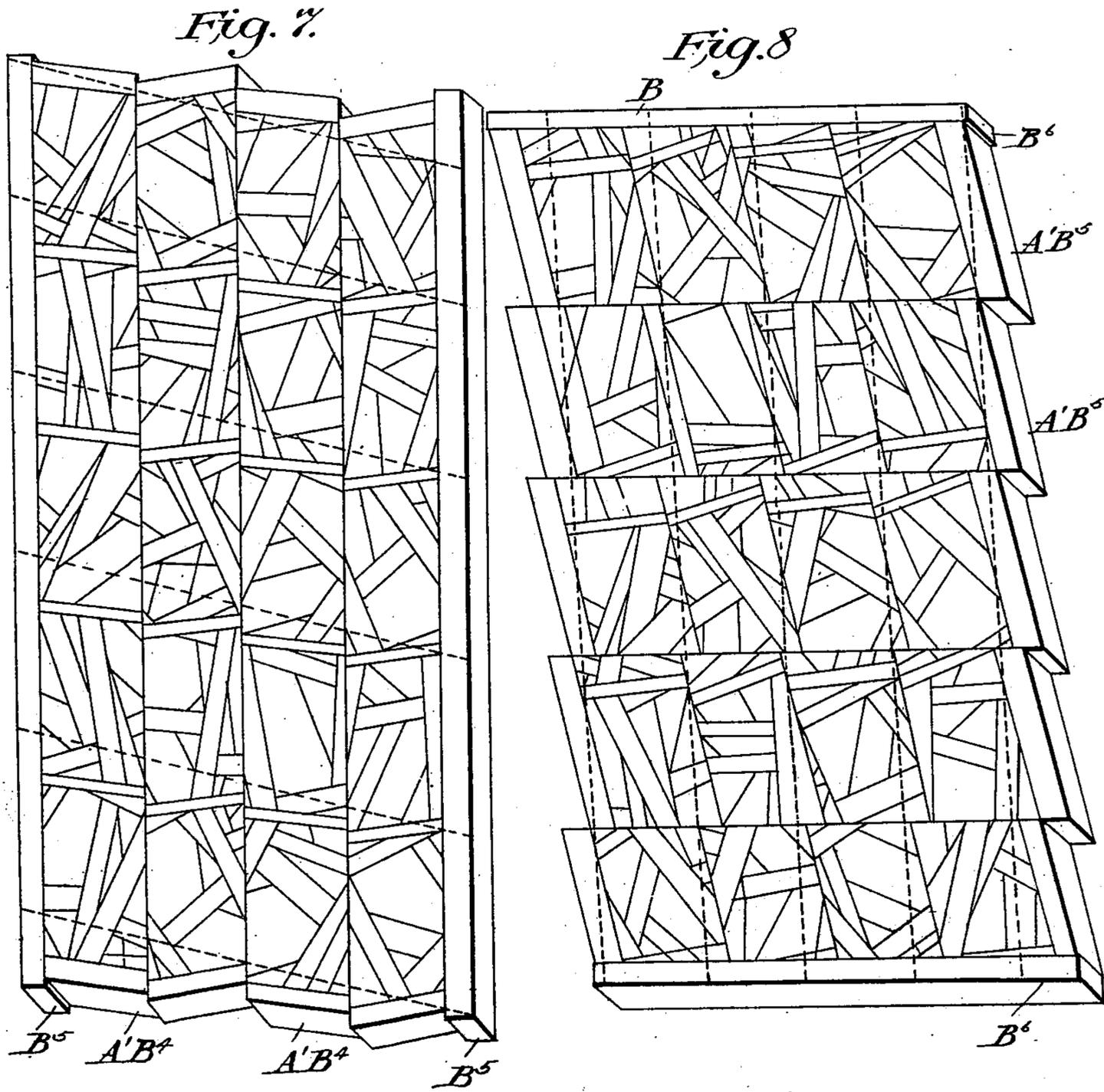
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(No Model.)

5 Sheets—Sheet 4.



Witnesses:

Ellis C. Willis
Geo. O. Renner

Inventor:

William Jackson Rockwood

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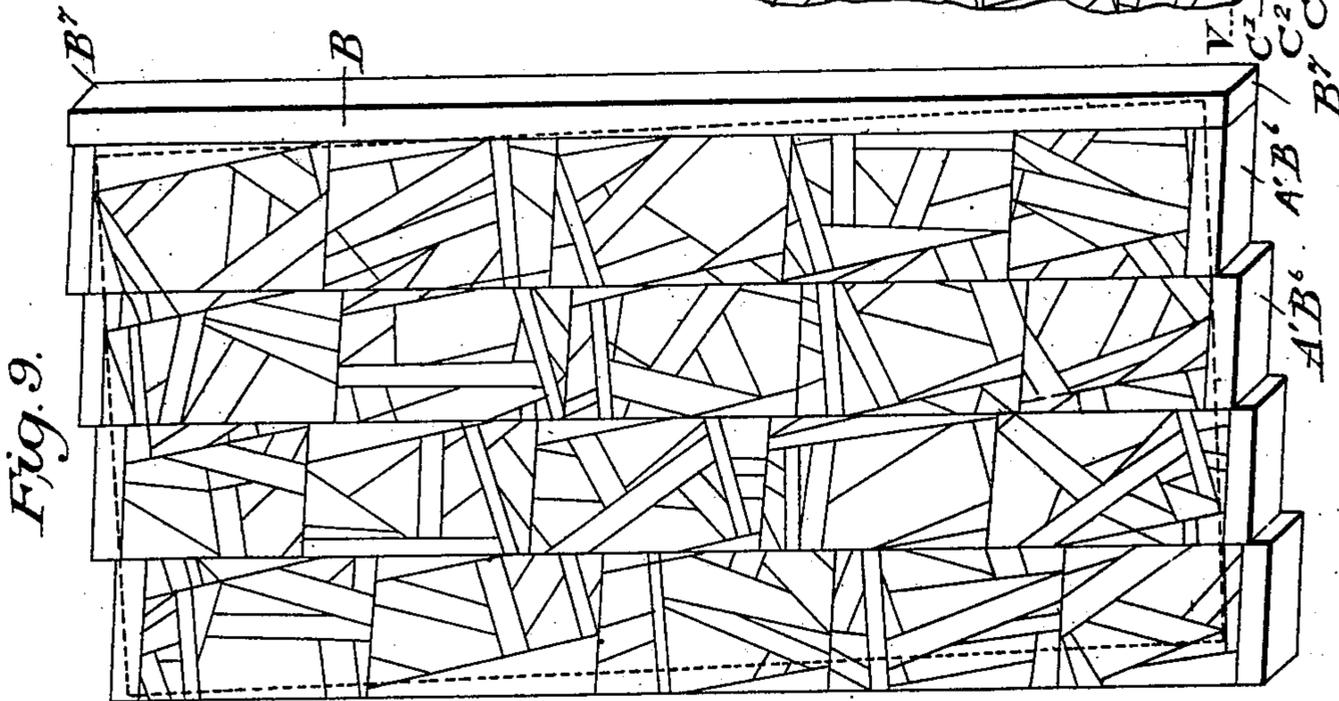
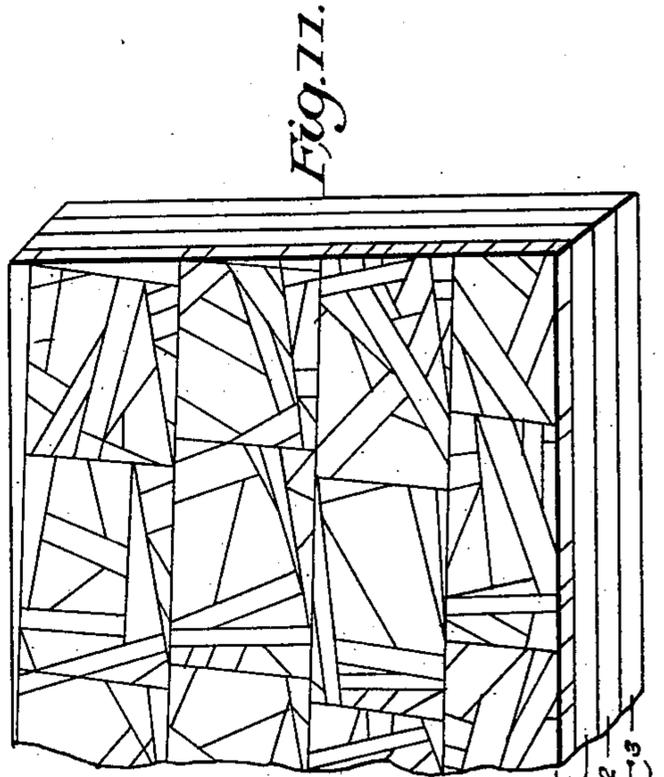
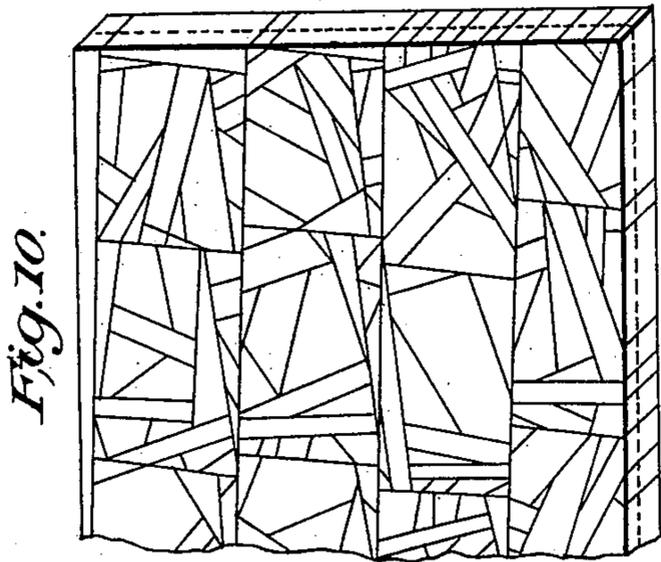
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(Application filed Jan. 15, 1900.)

(No Model.)

5 Sheets—Sheet 5.



Witnesses.

Ellis C. Miller
Geo. O. Renner

Inventor:

William Judson Rockwood

UNITED STATES PATENT OFFICE.

WILLIAM JUDSON ROCKWOOD, OF MONROVIA, CALIFORNIA.

PROCESS OF THE MANUFACTURE OF MOSAIC ART PANELS.

SPECIFICATION forming part of Letters Patent No. 677,800, dated July 2, 1901.

Application filed January 15, 1900. Serial No. 1,588. (No specimens.)

To all whom it may concern:

Be it known that I, WILLIAM JUDSON ROCKWOOD, a citizen of the United States, residing at Monrovia, in the county of Los Angeles and State of California, have invented a Process for the Manufacture of a New Variety of Mosaic Woodwork, of which the following is a specification.

My invention consists of a new kind of woodwork, inasmuch as there is no set pattern or regularity (something like crazy patchwork) and no two panels alike, (except where one has been split in two or more thicknesses,) making a useful and beautiful article for use in manufactures, house finish, and other purposes.

My process is as follows: I get out several kinds of fine wood three feet long (for convenience) and of various widths (from one-sixteenth to one and one-half inches) and all of the same thickness (preferably from one-half to three-fourths of an inch) and glue them together so no two pieces of the same kind of wood touch. I put the ends of each piece back from the next so the ends will be diagonally across and glue them together under pressure of powerful screws or wedges. When dry, I put a cut-off saw on a rip-saw machine and saw the work diagonally in parallel strips from two to three inches wide. I glue these strips up as before except that I put in whole pieces of the various kinds and widths between each piece and cut up as before. I repeat this last part six or eight times and then three or four times without adding any fresh stock. After a final diagonal cut producing a series of composite strips I then glue such strips so as to form a final substantially finished lumber. I then cut the work in size wanted, smooth it, and split it in two or more thicknesses and glue each one on a backing of three thicknesses of pine or other suitable wood. I also get out several varieties of the work as far as I use the fresh stock, and for the last three or four cuttings I mix them. I also get out a part without adding any fresh stock, but glue it up each time as it is cut.

I am aware that prior to my invention there have been pieces glued up and cut off square and in diamond shapes and do not claim that as part of my invention.

It is manifest that the process can be varied

in different ways without departing from the principles of my invention.

Reference being had to the accompanying drawings, Figure 1 shows the first step. A A A are strips of wood glued together. Dotted lines show saw-marks for cutting.

In Fig. 2, A' A' A' are compound strips from Fig. 1; B B B, whole strips of wood. Dotted lines show saw-marks for the next cut.

In Fig. 3, A' B are compound strips from Fig. 2, and B' whole strips. Dotted lines show saw-cuts.

In Fig. 4, A' B' are compound strips from Fig. 3, and B² new pieces. Dotted lines indicate saw-marks for the next cut.

Similar marks refer to similar parts in Figs. 5, 6, 7, and 8.

Fig. 9 shows compound strips from Fig. 8. Dotted lines show saw-marks for shape of panel.

In Fig. 10 dotted lines show saw-cuts dividing panel into veneers.

In Fig. 11, V is the veneer; C', the first backing of veneer; C², second backing of veneer; C³, third backing of veneer. Parallel lines indicate the direction of the grain in wood backing.

What I claim as my invention, and desire to secure by Letters Patent, is—

The process of making mosaic woodwork by gluing strips of wood together, of different widths and kinds and sawing them diagonally in different angles and widths and then rearranging the pieces so made with whole pieces and gluing them together so there will be a whole piece between each composite strip, then sawing again as before and alternating whole pieces between the composite strips each time gluing them together for six or eight times, and then sawing the work up as before and gluing together without the whole pieces, and repeating the last part of process three or four times making a series of composite strips which being glued together make a final substantially finished lumber which is then cut into thin veneers, substantially as set forth.

WILLIAM JUDSON ROCKWOOD.

Witnesses:

FRANCIS M. POTTENGER,
E. F. SPENCE.