(No Model.)

I. CHALIFOUX.

ART OF INLAYING.

No. 356,523. Patented Jan. 25, 1887.

FIG. 1.

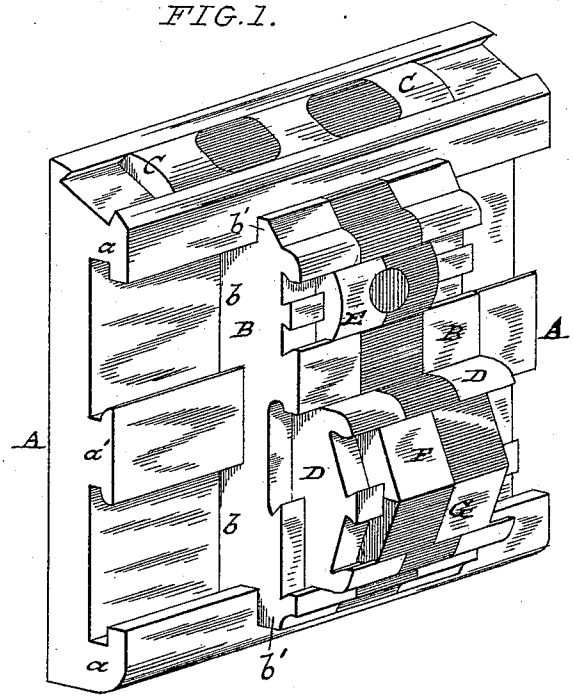
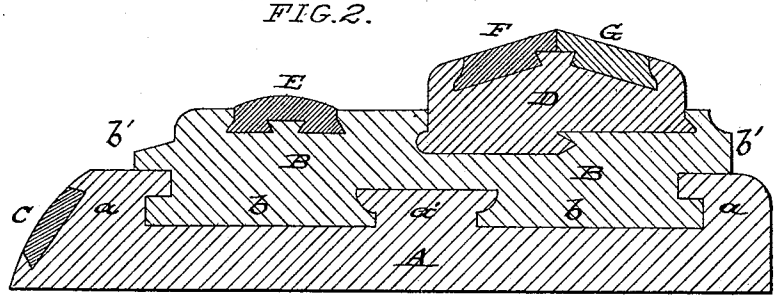


FIG. 2.



ATTEST:

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Geo. H. Arthur

INVENTOR:

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per Robert Burns

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UNITED STATES PATENT OFFICE.

ISRAEL CHALIFOUX, OF CHICAGO, ILLINOIS.

ART OF INLAYING.

SPECIFICATION forming part of Letters Patent No. 356,523, dated January 25, 1887.

Application filed March 1, 1886. Serial No. 193,695. (No model.)

To all whom it may concern:

Be it known that I, ISRAEL CHALIFOUX, a subject of the Queen of Great Britain, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Inlaid Work; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a perspective view illustrating my invention as applied to a straight strip or piece of molding, and Fig. 2 an enlarged cross-section of the same.

Similar letters of reference indicate like parts in both views.

My invention relates to ornamental inlaid work formed from pieces of materials of contrasted colors grouped together for architectural and industrial uses; and my invention has for its object to provide a simple, cheap, and efficient means of securing together the different component parts or pieces that go to make up the desired geometrical design in a very secure and solid manner, so that all liability to loosening or accidental detachment of such geometric sections or pieces will be prevented in a very perfect manner, as well as any tendency of the completed article to warp or bend out of its proper shape, due to uneven expansion or shrinkage of any of its component parts.

To enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to more fully describe its construction.

My present invention is an improvement on that form of geometrical inlaid work in which the ornamenting sections or pieces B, which are usually of a different-colored material, are secured to a main supporting bed or base having the required ornamental outline or shape by means of dovetailed or flanged recesses and projections formed by headed or flanged projections *a* on the base A, and a counterpart projection or rib, *b*, on the back of the ornamenting or inlaying section B.

The first part of my improvement upon the above-described arrangement of parts consists in positively connecting the intermediate or central portion of the inlaying part B to its supporting-base A by means of intermediate supplementary undercut attaching lugs or ledges, *a'*, upon the base A, which enter similarly-formed recesses in the part B; and in order to prevent such means of attachment from being visible, I arrange said supplementary lugs or ledges *a'* beneath the plain of the main lugs or ledges *a*, as more clearly indicated in Fig. 2 of the drawings.

The second part of my improvement consists in forming such inlaid work with overhanging lips *b'*, formed upon the edges of ornamenting-sections B to cover the joint at such point and conceal any space thereat, left through shrinkage or misfit of parts.

For very small-sized ornamentation, as shown at C, Figs. 1 and 2, the usual construction will be employed to secure the ornamenting-sections in place, as there will in such cases be no need of my present improvement.

The third part of my improvement consists in forming the face of the main ornamenting-sections B with recesses or slots, as before described, to receive and hold smaller supplementary ornamental sections, D and E, of a smaller and different geometrical form, as indicated in Figs. 1 and 2, and such supplementary sections may in turn be similarly recessed and ornamented, as indicated at F and G in the drawings, and so on, as the fancy or will of the designer may dictate.

In carrying out my invention, the ornamenting portions B, C, D, E, and F will be supplied to the trade in strips of the desired cross-section and of any required length, from which strip the ornamental section or piece, of any desired geometrical shape or configuration, can be cut off, with a saw or other suitable means, to suit the design it is intended to represent.

The merits and advantages that distinguish my improved method of inlaying over that heretofore employed are that it forms a very strong and durable attachment between the parts, that it is unaffected by moisture or dampness, and admits of the shrinkage of the parts without liability of the same becoming loose, broken, or detached, and which is capable of being secured in place by nails driven through the article at the joints of the ornamental sec-

tions or members of the design without any liability to damage or defacement of the same when ordinary care is exercised.

While in the drawings I illustrate my invention as applied to a straight strip or molding, yet I do not limit my invention to such application, as it is equally applicable to any other curved or irregular-shaped surface or molding that it is desired to have ornamentally inlaid.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The herein-described improvement in inlaid work, the same consisting in the ornamental pieces or sections united to a supporting bed or base by main flanged or headed projections and recesses, and supplementary intermediate flanged or headed projections and recesses, essentially in the manner shown, and for the purpose set forth.

2. The herein-described improvement in inlaid work, the same consisting in the ornamenting pieces or sections united to a supporting bed or base by main flanged or headed projections and recesses, and supplementary intermediate flanged or headed projections which are arranged on a plane beneath that of the main attaching projections, essentially in the manner shown, and for the purpose set forth.

3. The herein-described improvement in inlaid work, the same consisting in the ornamenting pieces or sections united to a supporting bed or base by main flanged or headed projections and recesses and supplementary intermediate projections and recesses, and providing such ornamenting-sections with overlapping projections to cover the seams, essentially as shown, and for the purpose set forth.

In testimony whereof witness my hand this 17th day of February, 1886, at Chicago, Illinois.

ISRAEL CHALIFOUX.

In presence of—
ROBERT BURNS,
GEORGIANNA CHALIFOUX.