

(No Model.)

H. McHUGH.

PROCESS OF INLAYING WOOD.

No. 390,611.

Patented Oct. 2, 1888.

Fig. 1.

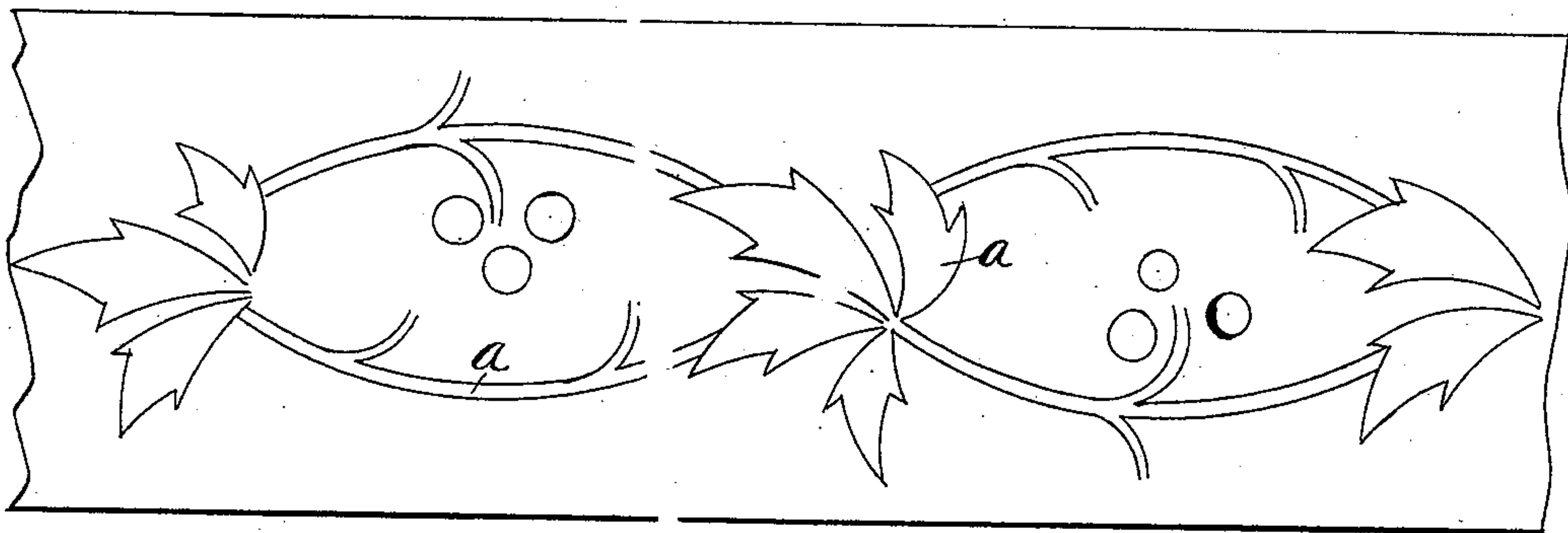
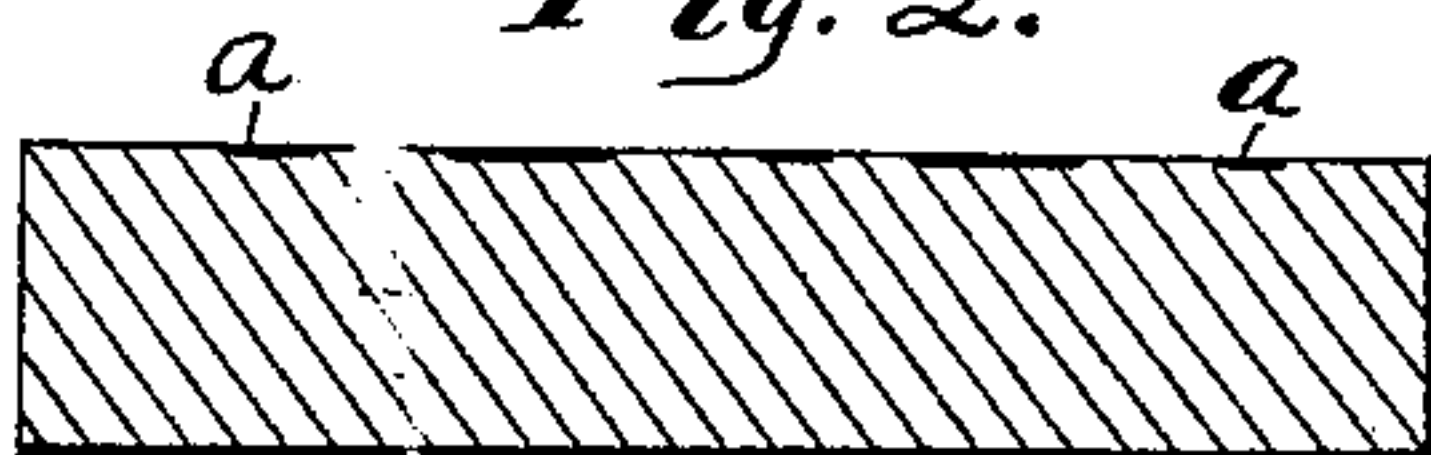


Fig. 2.



Witnesses

Fred A. Mason

A. C. Fuller

Inventor

Hugh M. Hugh

By F. A. Mason
att'y.

UNITED STATES PATENT OFFICE.

HUGH McHUGH, OF NEW BEDFORD, MASSACHUSETTS, ASSIGNOR OF ONE-HALF TO FREDERIC TABER, OF SAME PLACE.

PROCESS OF INLAYING WOOD.

SPECIFICATION forming part of Letters Patent No. 390,611, dated October 2, 1888.

Application filed December 17, 1887. Serial No. 258,226. (No specimens.)

To all whom it may concern:

Be it known that I, HUGH McHUGH, a citizen of the United States, residing at New Bedford, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Processes for Inlaying, of which the following is a specification.

Heretofore inlaying has been done by first cutting a cavity in the surface of the article to be inlaid and then fitting and gluing the inlaying material therein, or by forcing thin sheets of wood like veneer into the surface of the article by means of dies. The first of these methods is the oldest and most expensive. The latter is open to the objection that heat and moisture eventually throw out the inlaying and destroy the work.

The object of my invention is to produce inlaid work which will be durable and much cheaper, while it is fully equal in appearance to that produced by the more expensive processes described.

Figure 1 of the accompanying drawings represents a piece of inlaid work produced by my process, and Fig. 2 represents a view of the same in cross section.

In both figures *a* indicates the inlaying material.

In practicing my invention I take the article to be inlaid and apply to it some suitable substance—such as rubbing varnish or oil and shellac—in order to fill the pores in its surface. I then engrave or stamp in the surface of the article the required design or pattern of the work. I then take a plastic material of some kind—such as a mixture of whiting and glue—of a nature that will become hard when dry, and fill the cavities of the engraved figure or

design with the same in such a manner that the plastic material shall be level with the surface of the article. In doing this an instrument like a putty-knife or a piece of soft pine similarly shaped I have found to be handy. After the plastic material in the engraved design is dry and hard I use a cloth moistened in alcohol to clean the surface of the article around and between the inlaying. I then cover the whole surface of the article and the inlaid design with varnish, shellac, or some other suitable finish.

If I desire the inlaying to be of any particular color, I introduce into the plastic material the proper pigment and mix it thoroughly, so as to color the whole mass before filling it into the cavities of the engraved design.

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

The herein-described process of inlaying, which consists in coating the article to be inlaid and thereby filling its pores with a substance impervious to the inlaying material, engraving or stamping the design in said article, then filling the cavities of said design with a plastic substance composed of whiting and glue or other analogous material in such a manner that the surface of the inlaying shall be level with the surface of the part inlaid, then cleaning the surface of the article with alcohol, and finally coating the article and its inlaying with varnish or other suitable finish, substantially as described.

HUGH McHUGH.

Witnesses:

HENRY W. MASON,
THOS. M. JAMES.