

H. C. F. SOHN.  
PAINTING BROOM-HANDLES.

No. 173,509.

Patented Feb. 15, 1876.

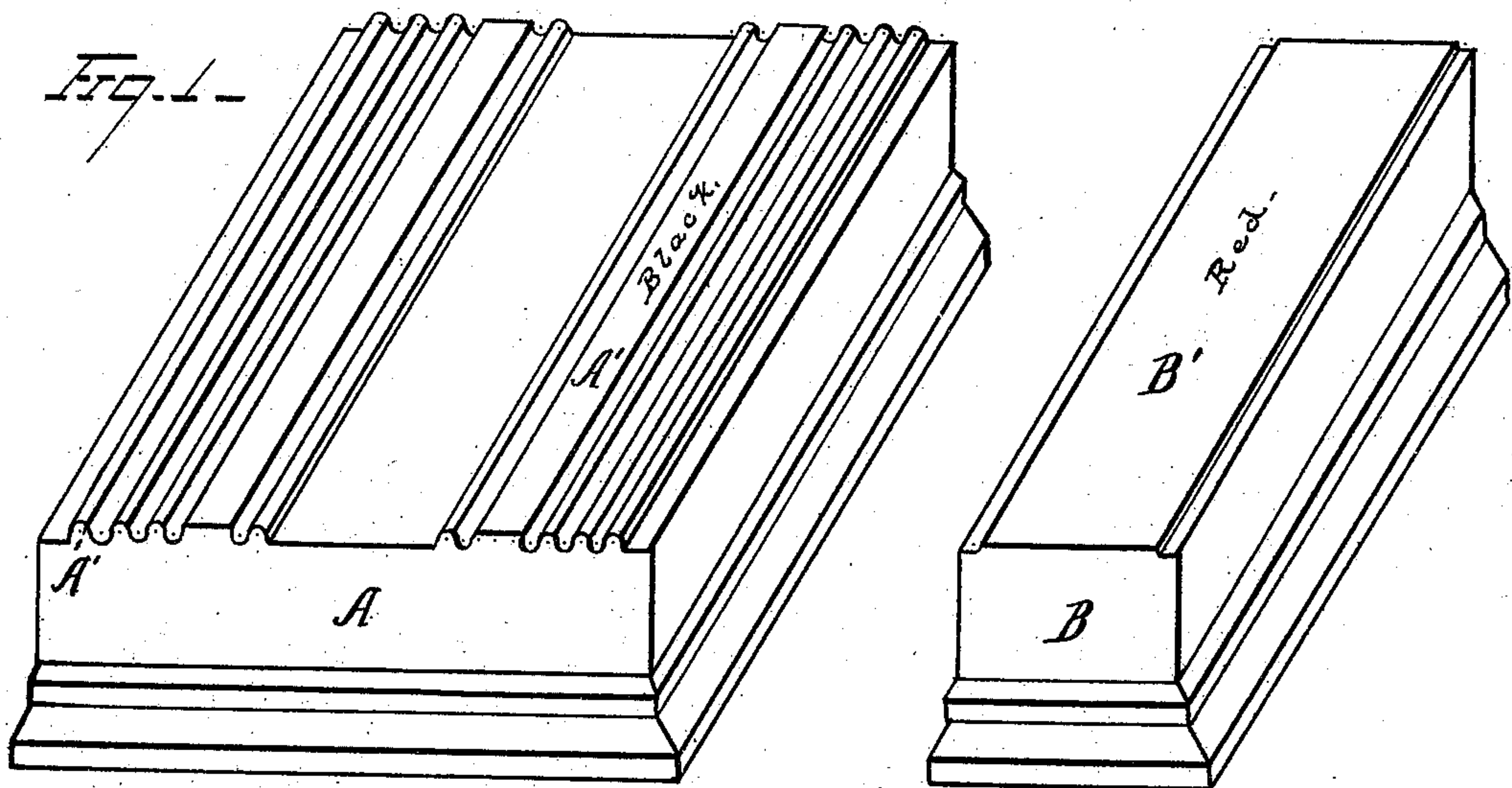


Fig. 2--



WITNESSES

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# UNITED STATES PATENT OFFICE.

HERMON C. F. SOHN, OF CLEVELAND, OHIO.

## IMPROVEMENT IN PAINTING BROOM-HANDLES.

Specification forming part of Letters Patent No. **173,509**, dated February 15, 1876; application filed January 12, 1876.

*To all whom it may concern:*

Be it known that I, HERMON C. F. SOHN, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Devices for Painting Broom-Handles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention consists in one or more plates, having projecting or raised surfaces, formed of elastic material, to retain any suitable paint which is fixed or imprinted upon a broom-handle, when rolled over and upon said elastic raised surfaces.

In the drawings, Figure 1 is a perspective view, representing two elastic plates, A and B, placed with respect to each other so that one plate may be covered with one color of paint, while the other plate may be coated with another color. Fig. 2 represents a handle that has been painted by rolling over the surface-plates A and B.

Heretofore it has been customary, in painting articles of this nature, to place them in a lathe, and while being rapidly revolved the paint has been applied by brushes, thus necessitating considerable time in placing and replacing the handles in the lathe, and also requiring the use of several different brushes, or necessitating the use of a single brush a number of times on the same handle.

The object of this invention is to overcome these difficulties, and form a means whereby a broom or other handle may be instantly painted without the necessity of any machinery for holding the handle.

A is one of the elastic tables or plates which, for the purpose of this description, we will suppose to be coated with black paint. B is another elastic table or plate, which we will suppose to be coated with red paint. The elastic table A is provided with the projecting surfaces and edges A', each one of which bears the paint-coating upon its upper edge or surface. B' represents the elevated or raised impression-surface of the elastic table B, and, in the present instance, is designed simply to

make a broad red stripe intermediate between the extremities of that portion of the handle which is striped with black.

The operation of the device is very simple. The elastic plates A and B are placed upon a table, and their upper surfaces are coated with paint by an ordinary roller in any convenient manner, either by hand or by machinery, substantially as type is coated by the inking-rollers. The broom-handle to be painted is then taken by hand, and while one end is held against any suitable guide, the handle is rolled over the plates A and B in the direction of the arrow, and is instantly given the proper impressions from the elevated surfaces and edges A' and B', as shown in Fig. 2.

The plates A and B may be placed in such a position that, by a single operation, the handle may be rolled over both of them, thus giving it immediately, by one operation, the two different colors of paint; or, the plates may be separated, requiring a different operation for each of the different colors; or, the plate A may be provided with an elevation, B', as a part of the plate A, there being such an arrangement of inking-rollers as will convey to the portion B' its proper color.

It is apparent that the form here shown is not invariable, but the lines may be varied, and the elevated surfaces may be varied, to suit the taste; or there may be figures imprinted upon the handle in the same way, by forming the elevated figures upon the plate A or plate B.

I do not deem it necessary to a clear understanding of the invention to show either the inking-rollers or the guides for preventing a longitudinal motion of the handle, as any system of inking-rollers may be employed, or hand-rollers may be employed; and for a guide an ordinary board will suffice which will prevent a longitudinal motion of the handle while it is being rolled over the impression-plates.

The composition of the plates A and B may be the ordinary composition employed in inking-rolls, or any other suitable composition; but it should be elastic.

What I claim is—

The device for printing broom-handles, &c.,



consisting of one or more impression-plates, A B, formed with raised surfaces or projecting portions of elastic material to receive the paint, and over which surfaces the handle is rolled to receive the desired imprint, substantially as and for the purpose set forth.

In testimony whereof I have signed my

name to this specification in the presence of two subscribing witnesses.

HERMON C. F. SOHN.

Witnesses:

H. T. HOWER,  
FRANCIS TOUMEY.