

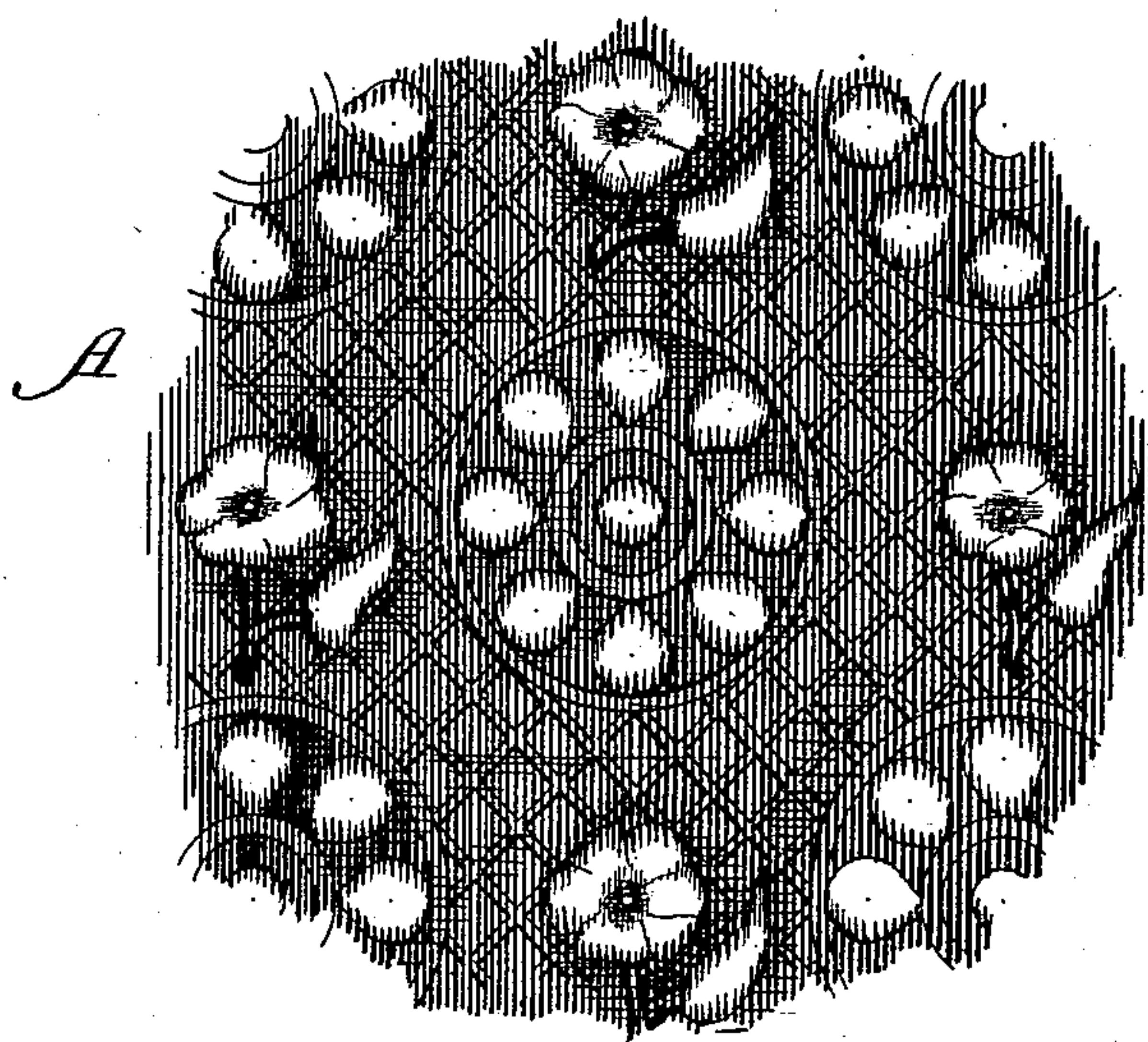
(No Model.)

F. RUDOLPH.

ORNAMENTATION OF SHEET METAL.

No. 374,559.

Patented Dec. 6, 1887.



Witnesses:
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UNITED STATES PATENT OFFICE.

FRANKLIN RUDOLPH, OF CHICAGO, ILLINOIS.

ORNAMENTATION OF SHEET METAL.

SPECIFICATION forming part of Letters Patent No. 374,559, dated December 6, 1887.

Application filed August 15, 1887. Serial No. 246,956. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN RUDOLPH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Ornamentation of Sheet Metal, of which the following is a specification.

My invention relates to an improvement in the ornamentation of sheet metal, particularly of the kind for use in covering trunks, though not necessarily limited to such particular use.

It is my object to produce by a novel proceeding a new and highly effective form of ornamentation; and to this end my invention consists in coating with a suitable color the entire surface of embossed sheet metal, then removing the color from the raised surfaces of the pattern.

My invention also consists in the new article of manufacture resulting from the aforesaid proceeding, and comprising embossed sheet metal having raised portions devoid of color other than that of the metal itself and having the remainder of the embossed surface colored.

In the drawing I illustrate by plan view a piece of sheet metal treated according to my invention to produce my new article of manufacture.

A is a piece of sheet metal embossed in the ordinary way to produce a desired pattern on its surface. I coat the entire embossed surface with a suitable color, and then remove the color, before it is dry, from the raised surfaces by suitable means—such as a cloth—though preferably by means of a strip of rubber, which is drawn as often as required across the surface with more or less pressure, according to whether it is desired to remove the color only from the faces of the raised surfaces or also along the sides of the same. The coloring-matter is then burned in and dried in the usual

manner—that is, by baking. The article thus produced presents an exceedingly fine effect, which may be enhanced by glossing the entire surface with a transparent coating; and the effect is more durable than would be the case were the raised portions colored and the lower portions devoid of color, (this constituting a form of sheet-metal ornamentation of which I am aware,) because in the latter, since the color is applied only to the raised surfaces, and these form the exposed parts, the effect is subject to injury by scratching, which mars it.

With my improved article the greater the friction brought to bear upon the raised uncolored surfaces the brighter these become, and consequently the effect produced by the form of ornamentation is improved rather than injured with use.

Though preferred for the sake of the ease of its accomplishment, it is not absolutely necessary that the color shall be removed from the raised portions of the pattern before drying it, since it may be removed, though not as conveniently, after drying.

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

1. The method of ornamenting sheet metal, which consists in embossing it, coating the entire embossed surface with a suitable color, and removing the coloring material from the raised surfaces, substantially as described.

2. As a new article of manufacture, embossed sheet metal having raised portions devoid of color other than that of the metal itself and having the remainder of the embossed surface colored, substantially as described.

FRANKLIN RUDOLPH.

In presence of—

J. W. DYRENFORTH,
GEORGE C. COOK.