

F. P. NICHOLSON.
Ornamental Stove-Plate.

No. 208,842.

Patented Oct. 8, 1878.

FIG. 1.

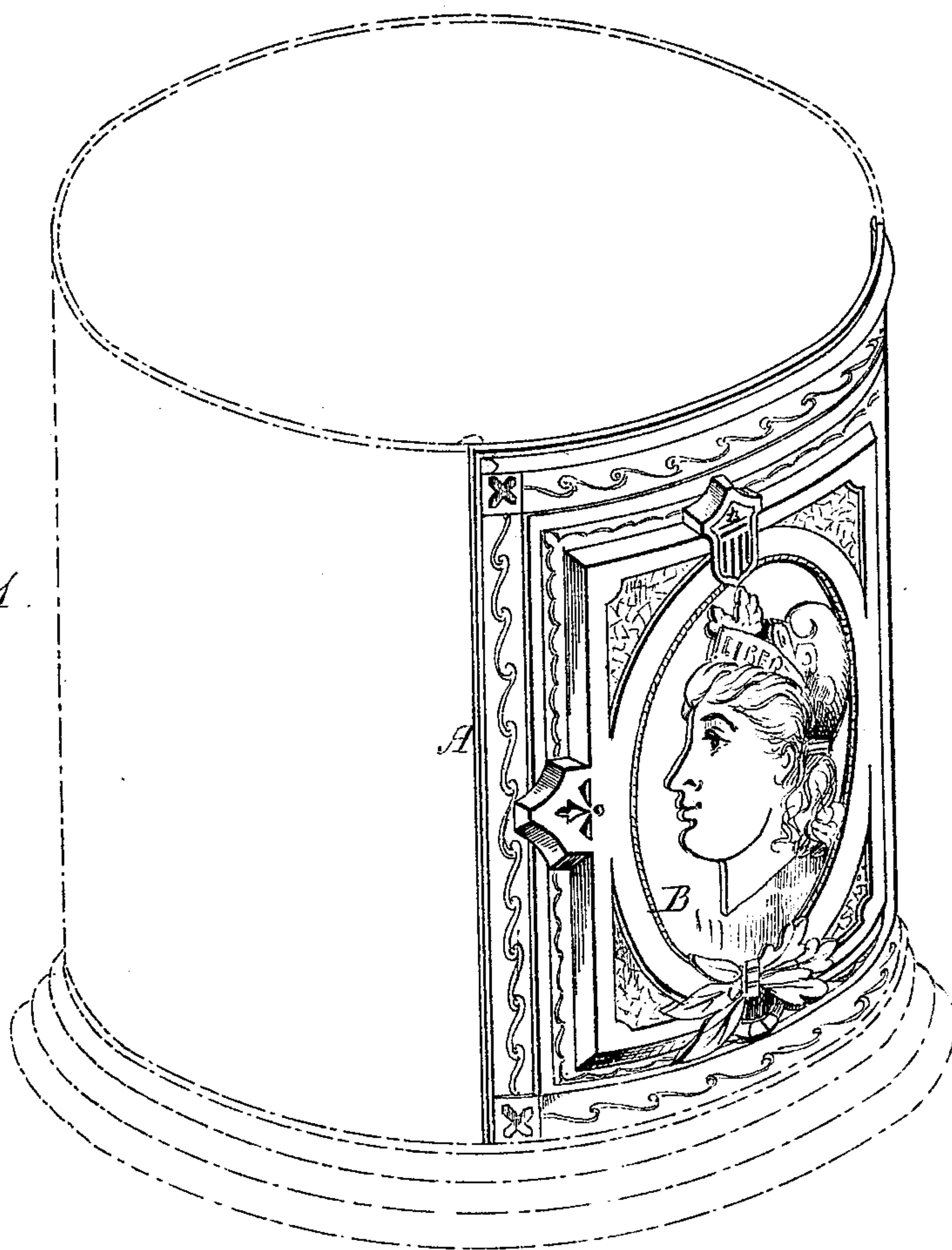
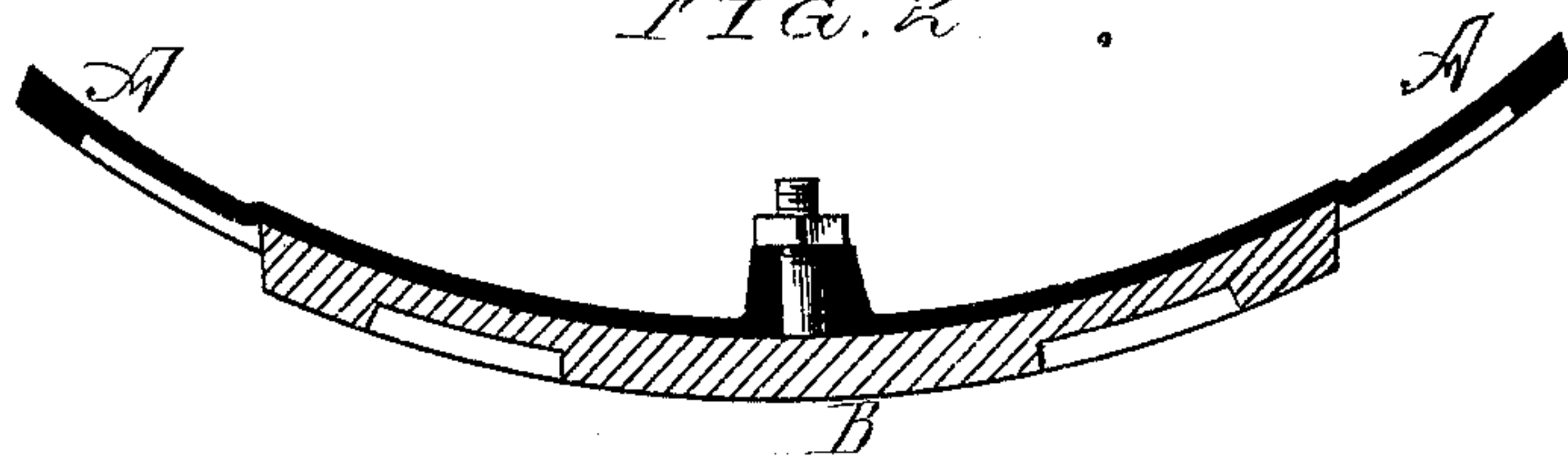


FIG. 2.



Witnesses,

Harry A. Crawford.
Harry Smith.

Inventor,
Francis P. Nicholson
by his Attorneys
Howson and Son

UNITED STATES PATENT OFFICE.

FRANCIS P. NICHOLSON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HIMSELF, AND TO EDWARD HOPPER, HENRY BENTLEY, AND THOMAS WILLIAMS, EXECUTORS OF ESTATE OF CHARLES NOBLE, DECEASED.

IMPROVEMENT IN ORNAMENTAL STOVE-PLATES.

Specification forming part of Letters Patent No. **208,842**, dated October 8, 1878; application filed September 23, 1878.

To all whom it may concern:

Be it known that I, FRANCIS P. NICHOLSON, of Philadelphia, Pennsylvania, have invented a new and useful Improvement in Ornamental Stove-Plates, of which the following is a specification:

My invention relates to an improvement in the manufacture of stove-plates which are ornamented with supplementary plates having polished or nickel-plated surfaces; and the main object of my invention is to protect the polished plate from the evil effects of a carelessly-handled blacking-brush.

In the accompanying drawing, Figure 1 is a perspective view of a stove-plate which forms part of the outer cylinder of a base-burning stove, and to which my improvement is applied, and Fig. 2 a section of the plate.

Many stove-plates, and especially those composing the outer cylinders of modern base-burning stoves, are now ornamented with nickel-plated panels, a recess, for instance, being formed in the middle of each segmental plate A for the reception of a nickel-plated panel, B, which is bolted or otherwise secured, as shown in Fig. 2, the panel being ornamented with different designs and being ground, polished, and nickel-plated before it is secured in its place, while all of the plate A excepting the panel is blackened with ordinary stove-polish. This blackening operation must be repeated at intervals in order to maintain the stove in a neat condition.

As this duty is usually performed by servant-girls, who are often careless, the panels are frequently smeared with the stove-polish, and in attempting to remove the smears the polished nickel-plated surface is often scratched and otherwise defaced until it detracts from the general neat appearance of the stove.

In order to obviate this difficulty I first

bronze each section A by an electro-deposit of copper—an operation which can be cheaply done without any preparation of the surface of the casting other than a thorough cleansing.

The bronzed surface will withstand any ordinary heat to which the exposed plate is liable to be subjected, and surrounding the bright nickel-plated panel presents a pleasing contrast therewith.

But the important duty which this bronzed surface performs is that it obviates the necessity of approaching the polished plate with the blacking-brush; in other words, the bronzed surface, which serves as a border on all sides of the panel, presents an appearance so neat and attractive that the servant who has to black the stove will be careful to keep the brush away from the bronzed surface, which thus serves to shield the polished surface of the panel from the inroad of a carelessly-handled brush.

The brush may, however, trespass upon the bronzed surface without any injurious effects, for the smears can be wiped from the bronzed surface without any injury to the latter, whereas the removal of smears from the polished nickel-plated surface frequently results in the permanent disfiguring of the same.

I claim as my invention—

A stove-plate composed of an ordinary casting bronzed or copper-plated and a panel polished or nickel-plated, all as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANCIS P. NICHOLSON.

Witnesses:

HARRY A. CRAWFORD,
HARRY SMITH.