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F. W. MEIER & W. A. GIPSON.

HOOD FOR FORGES.

APPLICATION FILED JAN. 13, 1906.

Fig. 2.

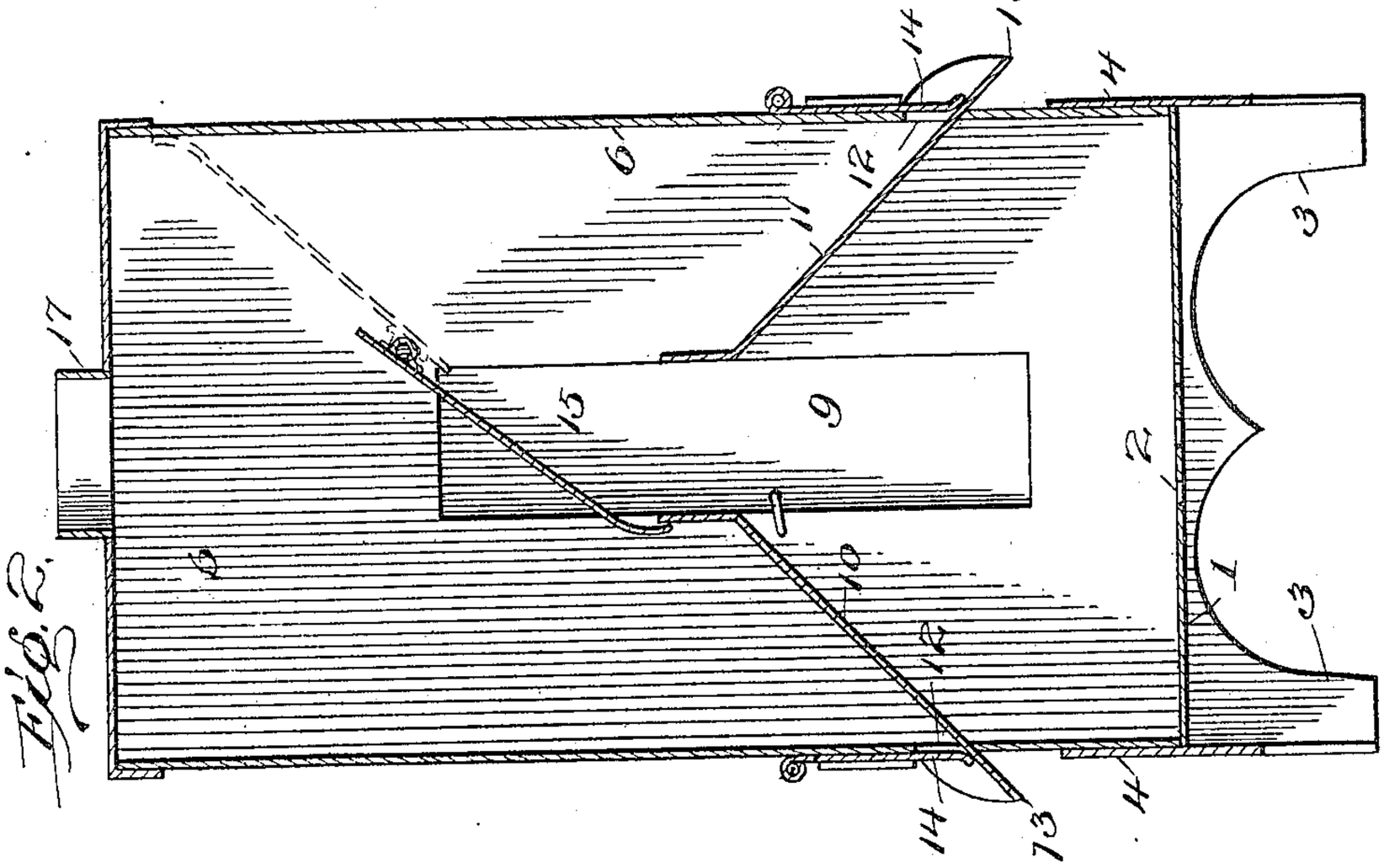
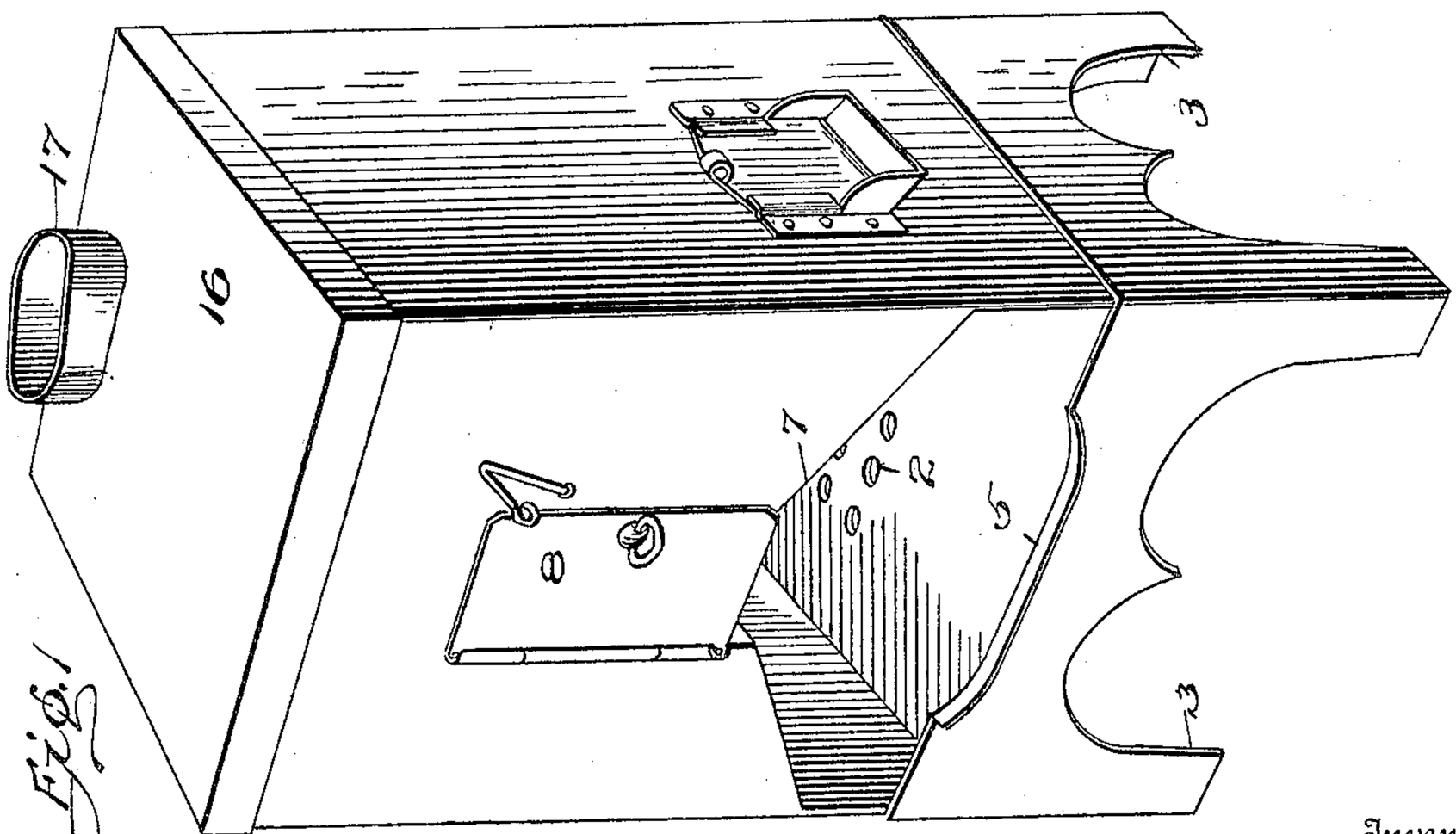


Fig. 1.



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UNITED STATES PATENT OFFICE.

FREDERRICK W. MEIER AND WILLIAM A. GIPSON, OF UPPER SANDUSKY, OHIO.

HOOD FOR FORGES.

No. 822,533. Specification of Letters Patent. Patented June 5, 1906.

Application filed January 13, 1906. Serial No. 295,947.

To all whom it may concern:

Be it known that we, FREDERRICK W. MEIER and WILLIAM A. GIPSON, citizens of the United States, residing at Upper Sandusky, in the county of Wyandot and State of Ohio, have invented certain new and useful Improvements in Hoods for Forges, of which the following is a specification.

This invention relates to forge-hoods, and more particularly to that class adapted to regulate the draft.

The object of our invention it to provide a forge-hood and to so construct the same that the dust, smoke, and heat will not fly in the face of the operator owing to the particular arrangement of the dampers and dust-pans.

A further object of our invention is to provide a hood of the character above described and to construct the same in an exceedingly cheap and simple manner.

With these objects in view and such others as may hereinafter appear our invention consists in the particular construction of the various parts and in the novel manner of combination and arrangement of said parts, all of which will be fully described, and specifically pointed out in the appending claims.

In the drawings forming part of this specification, Figure 1 is a view in front elevation, and Fig. 2 is a vertical sectional view.

Referring by numerals to the drawings, 1 represents the base, which is perforated in the center, as shown at 2, for the purpose of admitting air from the blower. This base is supported by four corresponding legs 3, formed of sheet metal stamped from one piece and so applied or attached to the base to form a flange 4 around the same. This flange is cut away, as shown at 5, and reinforced so as to form a support for the article being welded or brazed.

Mounted upon the base and supported by the flange is a rectangular casing 6, which is cut away in front, as shown at 7, and provided with a door 8, also an oppositely-disposed door 9 in the back. Arranged upon the interior of this rectangular casing are two oppositely-disposed dust-pans 10 and 11, each of which is provided with a dust-outlet 12, consisting of a chute 13, normally closed by a slide 14. Pivoted in the casing above one of the dust-pans is a damper 15, adapted to regulate the current of the draft and to deflect the dust into the dust-pan. This casing is provided with a top or covering 16, which tightly closes the same and is provided with a flange 17 for the attachment of a smoke-stack.

We deem the foregoing explanation sufficiently plain that the invention will be readily understood to all conversant in such matters, the extreme simplicity rendering an elaborate description unnecessary. We desire, however, to distinctly state and emphasize the fact that although we have shown certain components and coöperative parts which we deem sufficiently improved and operated to carry the fundamental principles of our invention, we do not limit ourselves to the exact details of construction, as various minor changes may be resorted to without sacrificing any of the principles constituting the gist hereof.

Having thus described the various parts of our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a forge-hood, a base, a rectangular casing mounted upon said base, oppositely-disposed dust-pans arranged in said casing, a door in front of the casing, an oppositely-disposed door in the back of the casing, means for dumping said dust-pans, a damper for regulating the current of the draft and a top upon said casing, substantially as specified.

2. In a forge-hood, a base, a rectangular casing mounted upon said base, dust-pans arranged within the casing, means for dumping the dust-pans, a damper within the casing for regulating the current of the draft, a door in the front of the casing, an oppositely-disposed door in the back of the casing, a top upon said casing, substantially as specified.

3. In a hood for forges, a base having a flange thereupon, legs supporting the base, a rectangular casing mounted upon said base and supported by said flanges, oppositely-disposed dust-pans arranged within the casing, means for dumping the dust-pans, a damper pivoted above one of the dust-pans, said damper adapted to regulate the current of the draft, a door in the front of the casing, an oppositely-disposed door in the back of the casing, a top upon said casing, and means upon said top for attaching a smoke-stack, substantially as shown and for the purpose specified.

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