

(No Model.)

F. BREHER.

FIRE BOWL FOR BLACKSMITHS' FORGES.

No. 421,901.

Patented Feb. 25, 1890.

Fig. 1.

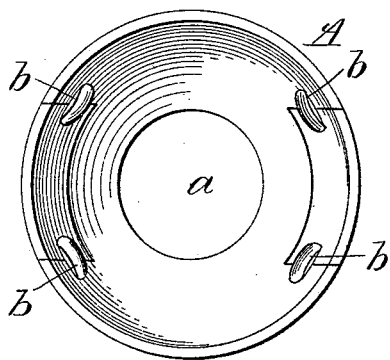


Fig. 2.

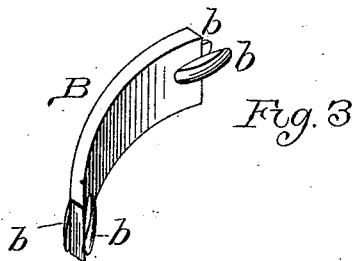
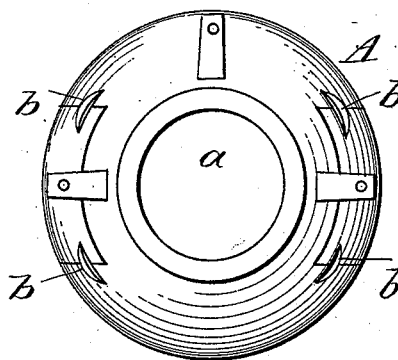


Fig. 4.

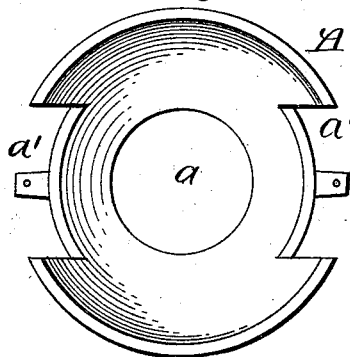
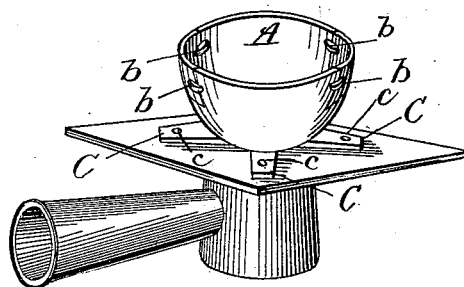


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

FRANK BREHER, OF WADENA, MINNESOTA.

FIRE-BOWL FOR BLACKSMITHS' FORGES.

SPECIFICATION forming part of Letters Patent No. 421,901, dated February 25, 1890.

Application filed November 16, 1889. Serial No. 330,513. (No model.)

To all whom it may concern:

Be it known that I, FRANK BREHER, a citizen of the United States, residing at Wadena, in the county of Wadena and State of Minnesota, have invented certain new and useful Improvements in Fire-Bowls Used in Connection with Tuyere-Irons; and I do 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention is a forger's fire-bowl, and is designed to be used in connection with tuyere-irons, and is intended to be placed over the tuyere-irons in a blacksmith's forge. It keeps the fire together and in place, and prevents a great waste of coal that is caused by the clay breaking out around the tuyere-irons when a bowl of this kind is not used, such waste constantly increasing as the hole grows larger. In a forge when the bowl is made of clay the clay cracks and the fire spreads and loses its intensity. Further, in a clay forge in poking the fire the clay soon breaks off and the basin becomes too large and irregular. The object of this bowl is to avoid these defects.

In the accompanying drawings, Figure 1 is a top plan view of the bowl. Fig. 2 is a bottom plan view of the bowl. Fig. 3 is a perspective view of one of the side slides. Fig. 4 is a top plan view of the bowl with the slides removed. Fig. 5 is a perspective view of the bowl mounted on a tuyere-iron.

The bowl A is shaped somewhat like an ordinary wash-bowl, with an opening *a* in the

center of its bottom. In each side of the bowl are recesses *a'*. These recesses are filled by curved slides B, which are kept in place by means of ears *b*, one end of which is secured to the ends and inner and outer faces of said slides, the other end reaching beyond the ends of said slides and fitting against the inner and outer faces of the bowl. These slides may be easily removed and replaced.

Extending from the outer face of the bowl are three or more jibs C, provided with perforations *c*.

This bowl may be used with the slides B in the sides for horseshoeing and other like work, but should be taken out for work in which large bars of iron are used and the like.

This bowl is to be fastened down by riveting to the jibs on the sides flat pieces of iron and filling around with clay until the clay is level with the top of the bowl.

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

The bowl A, having in the center of its bottom the opening *a*, and in its sides openings *a'*, slides B, fitting into said openings *a'*, and having the ears *b*, adapted to hold said slides in place, and suitable jibs C, to fasten the said bowl down, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK BREHER.

Witnesses:

FRANK WILLSON,
SHERMAN GARHER.