

JOHN L. NORTH.

Improvement in Crucibles for Melting Metals.

No. 124,076.

Patented Feb. 27, 1872.

fig. 1.

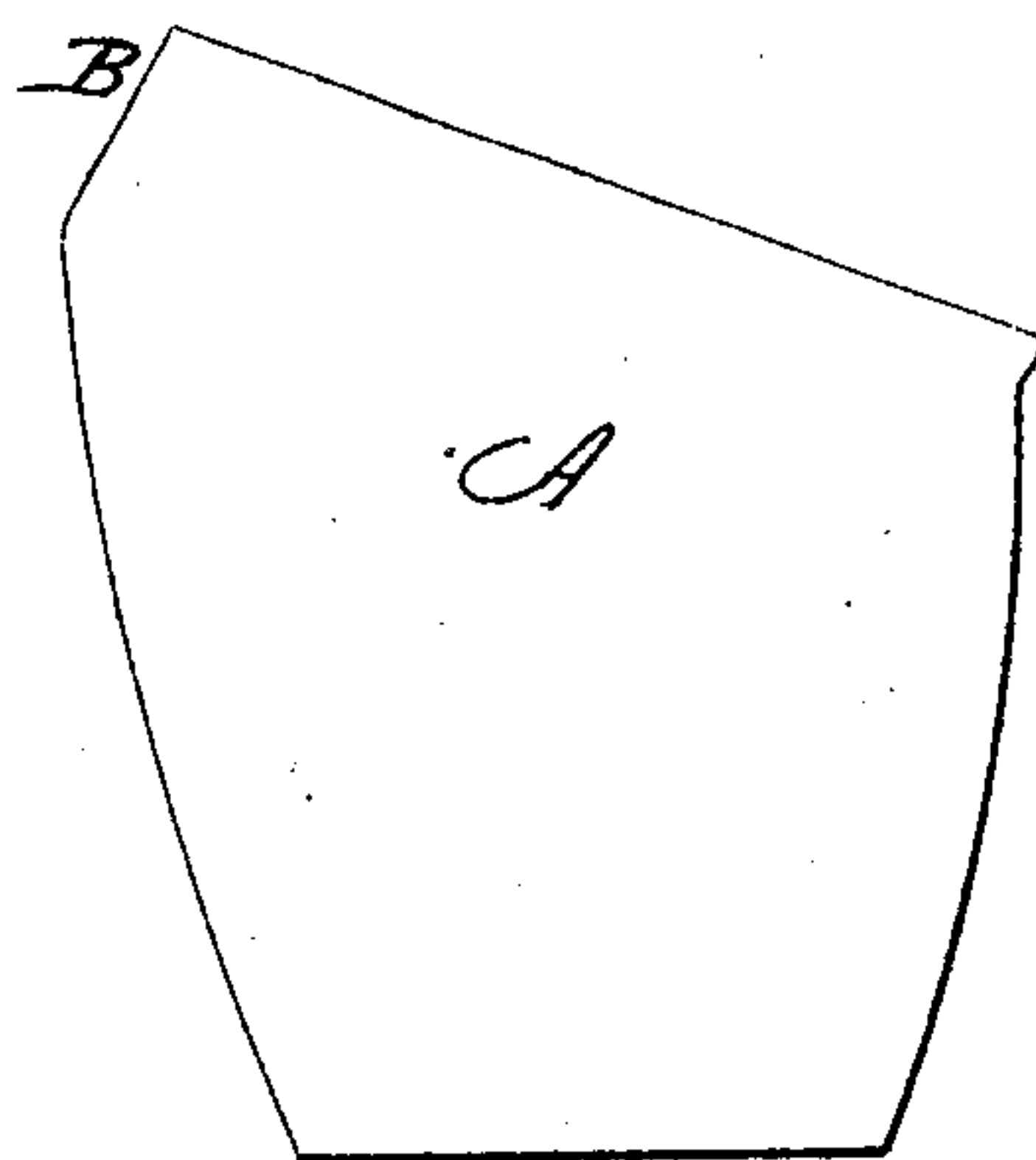
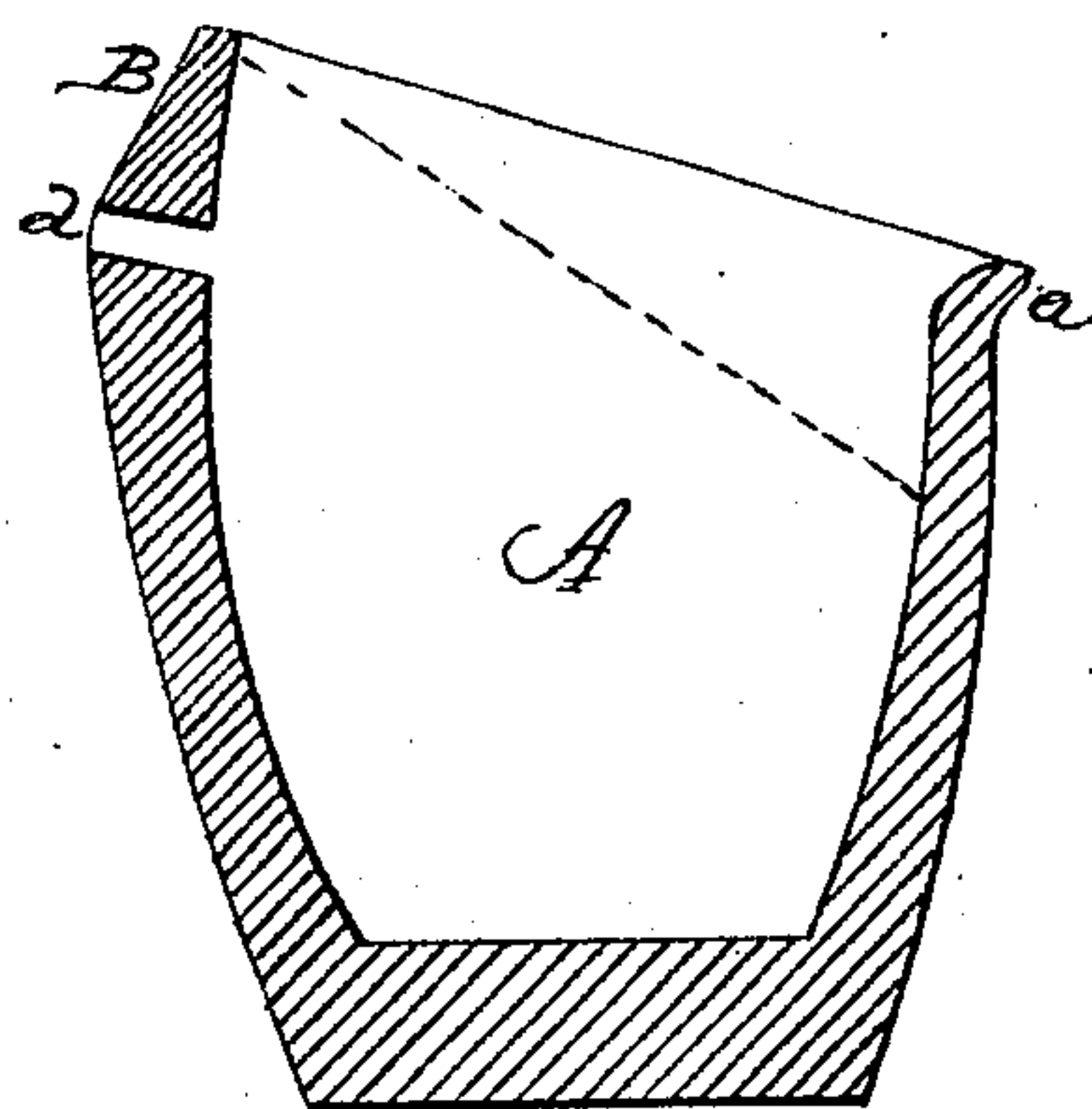


fig. 2.



Witnesses.

A. J. Tibbitts
J. H. Shumway

John L. North
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By his Atty.

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UNITED STATES PATENT OFFICE.

JOHN L. NORTH, OF ANSONIA, CONNECTICUT.

IMPROVEMENT IN CRUCIBLES FOR MELTING METALS, &c.

Specification forming part of Letters Patent No. 124,076, dated February 27, 1872.

To all whom it may concern:

Be it known that I, JOHN L. NORTH, of Ansonia, in the county of New Haven and State of Connecticut, have invented a new Improvement in Crucibles; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents in—

Figure 1, a side view; and in Fig. 2, a vertical central section.

This invention relates to an improvement in crucibles particularly designed for pouring that class of metals which oxidize quickly when exposed to the atmosphere. Heretofore in this class of work it has been the practice to employ an instrument while pouring to prevent oxidized portion of the metal on the surface from running off with the clear metal, the operation often requiring two persons, one to pour and the other to prevent the oxidized metal or other foreign substance from flowing off with the metal. The object of my invention is to overcome this difficulty; and it consists in constructing the crucible with the side extending above the mouth, so that, as the cru-

cible is tilted, the metal will flow above the mouth, drawing the clear metal from below the surface.

A is the crucible, constructed from any suitable material, and these are usually formed with a mouth at the upper edge, as at *a*, and this may, if desirable, be still retained. In my invention I form the mouth *d* at about the same relative height as heretofore, and extend the side above, as at B, so that, when filled with metal and tilted, the surface, assuming the position as denoted in broken lines, will carry the oxidized metal and foreign substances above the mouth *d*; consequently draw nothing but clear metal, and thereby make no inconsiderable saving in metal; as, when the exposed surface is once oxidized, no more metal is affected.

I claim as my invention—

As an article of manufacture, a crucible having the mouth *d* open from below the upper edge of the crucible, substantially as herein set forth.

JOHN L. NORTH.

Witnesses:

T. B. SMITH,
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