

W.F. Sherman

Crucible.

N^o 87,075

Patented Feb. 16. 1869.

Fig. 1.

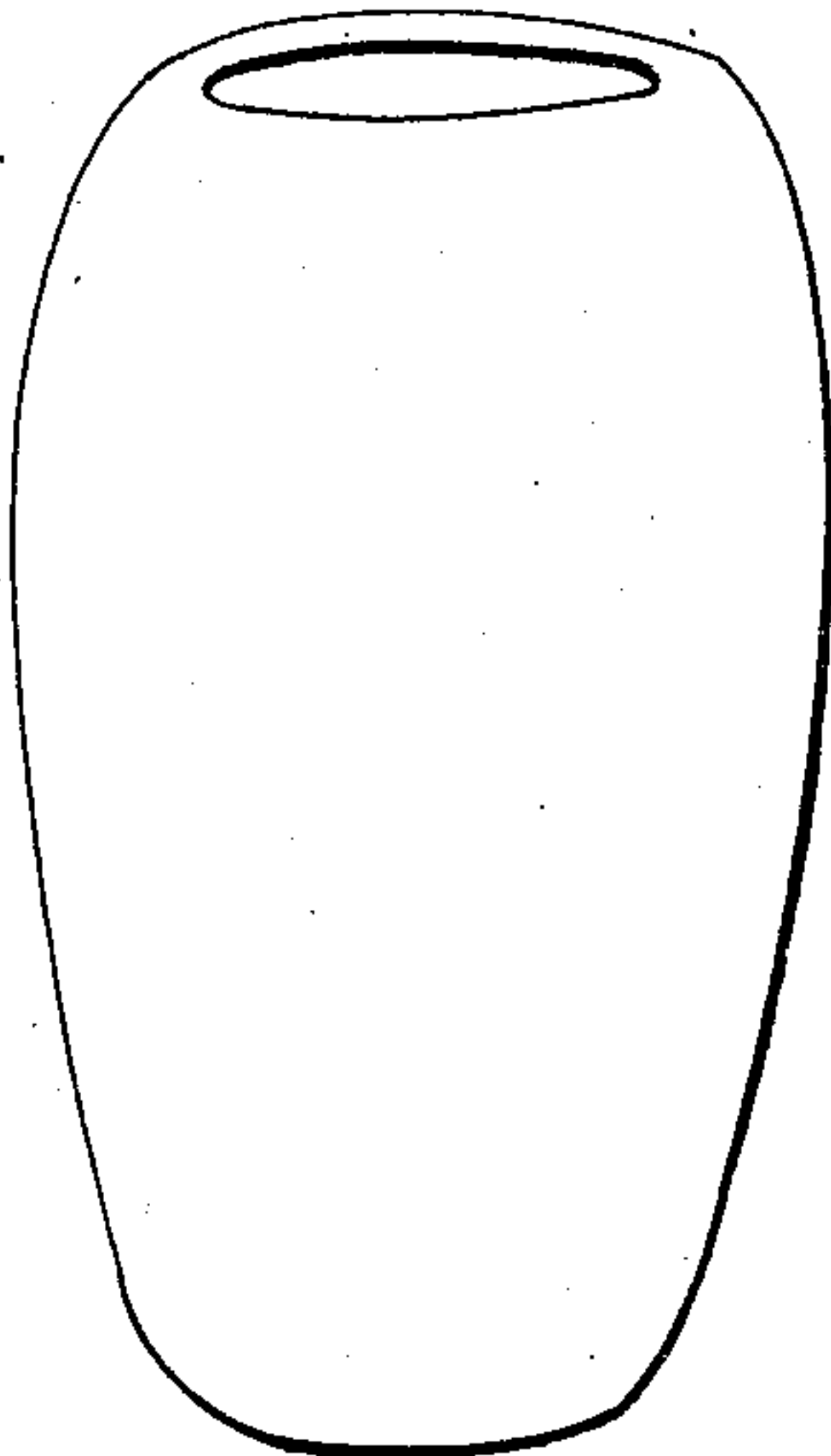
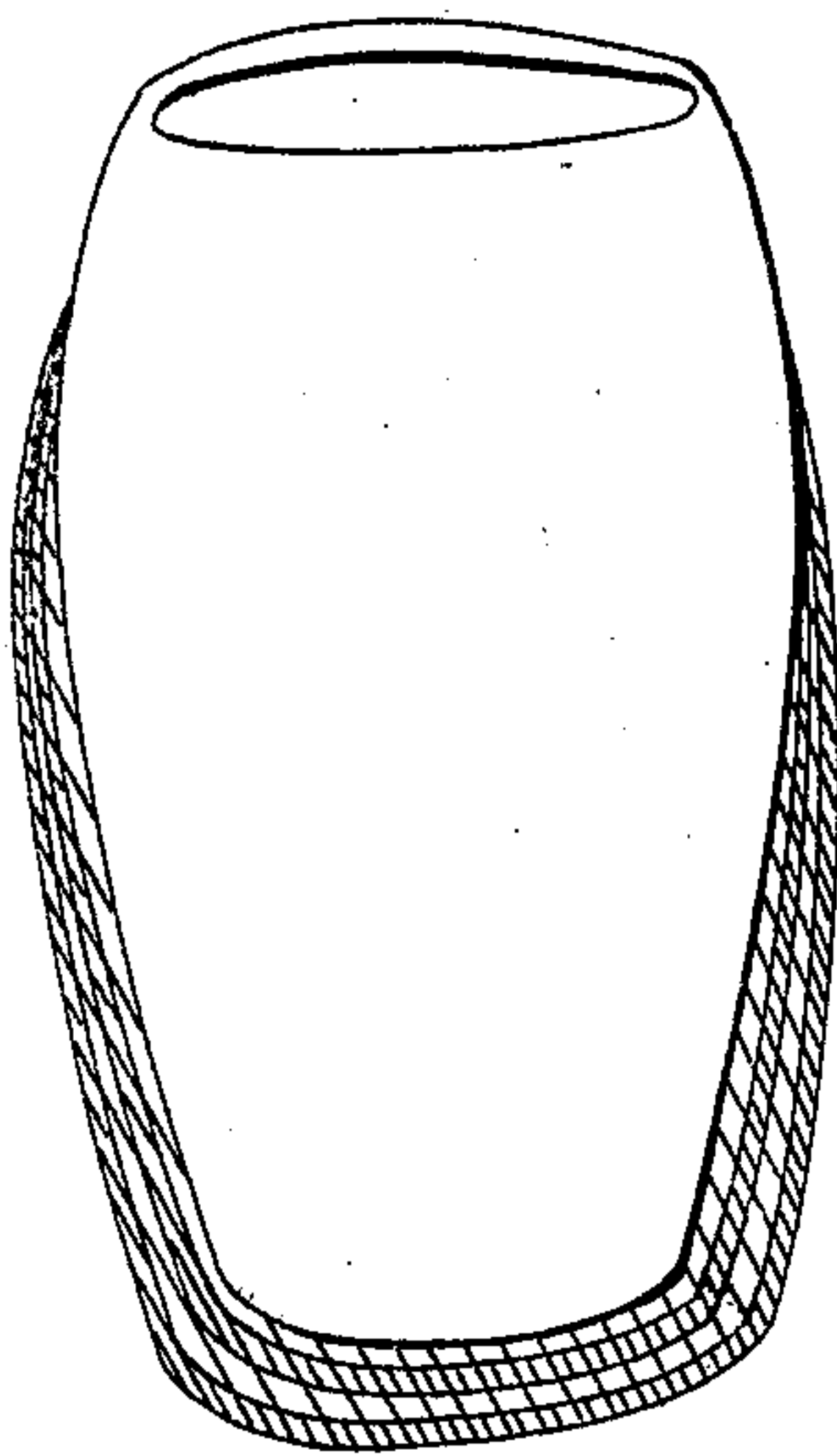


Fig. 2.



Witnesses

E. R. Playle

Lizzie Playle.

Inventor.

W. F. Sherman.



WILLIAM F. SHERMAN, OF BUCKSPORT, MAINE.

Letters Patent No. 87,075, dated February 16, 1869.

IMPROVED PROCESS OF REPAIRING CRUCIBLES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, WILLIAM F. SHERMAN, of Bucksport, in the county of Hancock, in the State of Maine, have invented a new and Improved Mode or Process of Renewing Crucibles; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings; making a part of this specification, in which—

Figure 1 is a view of the crucible either when worn out or having stood three heats.

Figure 2 is a view of the crucible when renewed.

The nature of my invention consists in dipping the crucible into a solution of clay, lead, and mica-sand, made thin by water, so that about one-sixteenth of an inch will stick to the crucible at each dipping.

A crucible, treated in this manner, will run six heats

instead of three, and at very small cost, as the old crucibles, when pounded or ground up, may be added to the new clay, lead, and mica.

I do not claim the plastering up an old crucible, for it is well known that it will crack off and dry, and stick to the coal and slag; nor do I claim the use of old crucibles.

Claim.

I claim the process of dipping the crucible several times in a thin solution of plumbago, mica, and clay, or their equivalent, for the purpose herein described.

WILLIAM F. SHERMAN.

Witnesses:

E. R. PLAYLE,
LIZZIE PLAYLE.