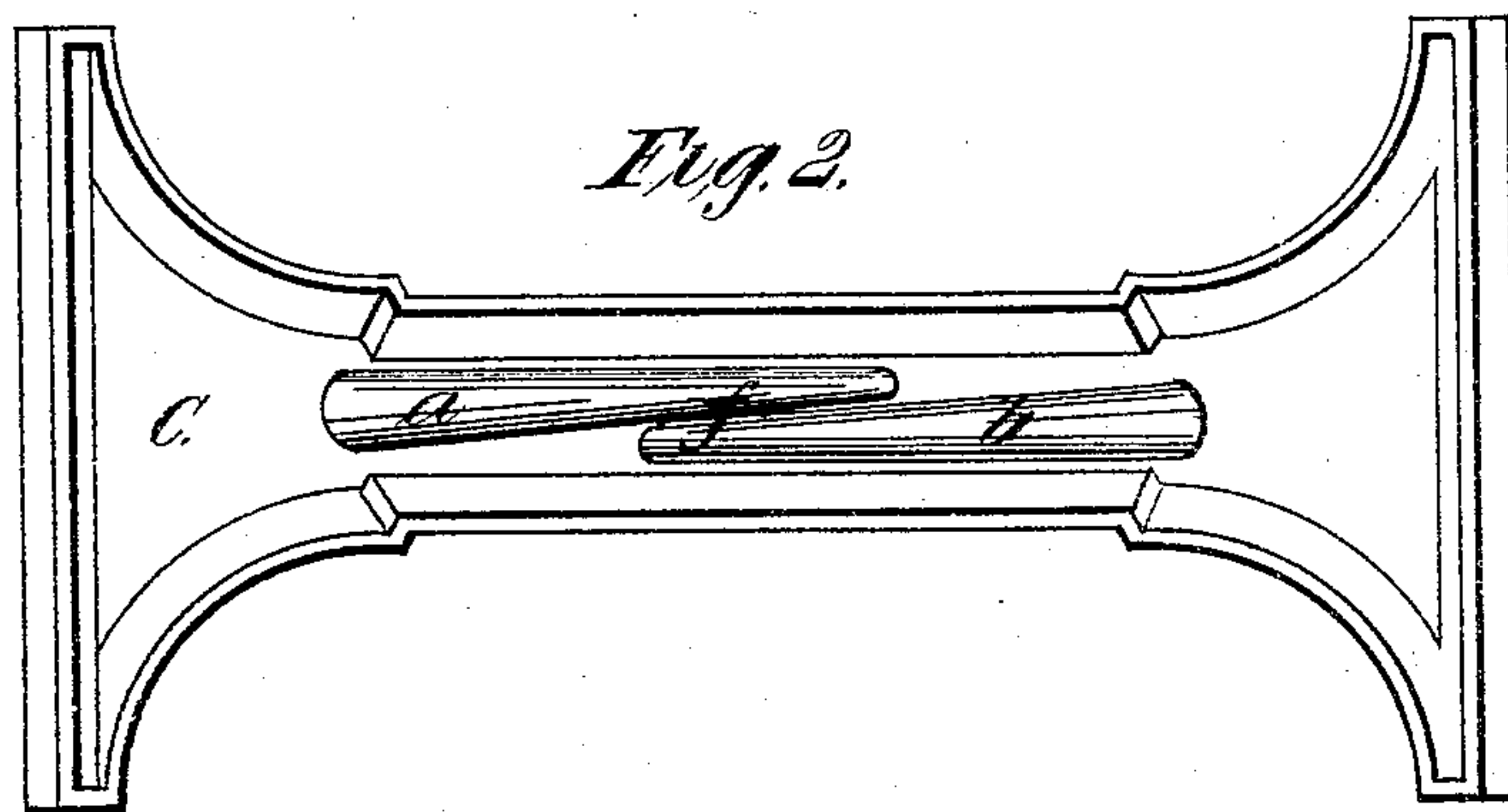
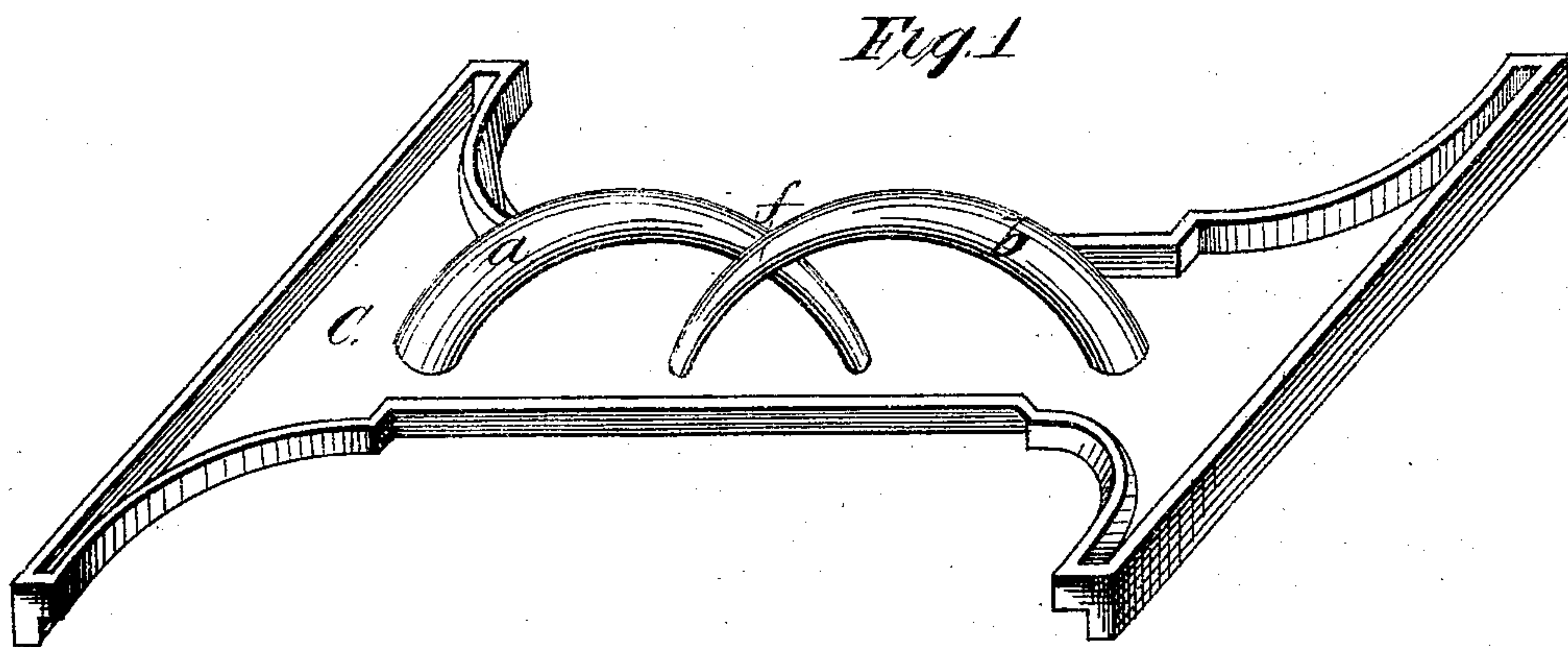


J. ZIEGLER.

Center Top-Plates for Cooking Stoves.

No. 152,267.

Patented June 23, 1874.



Attest:
John M. Davidson
H. R. K. Peck.

Inventor:
John Ziegler
by his Atty
C. M. Peck.

UNITED STATES PATENT OFFICE.

JOHN ZIEGLER, OF DAYTON, OHIO, ASSIGNOR OF ONE-HALF HIS RIGHT TO
JAMES RUFUS KING, OF SAME PLACE.

IMPROVEMENT IN CENTER TOP PLATES FOR COOKING-STOVES.

Specification forming part of Letters Patent No. **152,267**, dated June 23, 1874; application filed
May 7, 1874.

To all whom it may concern:

Be it known that I, JOHN ZIEGLER, of the city of Dayton, in the county of Montgomery and State of Ohio, have invented a new and useful Improvement in Center Top Plate for Cooking-Stoves; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 represents a perspective view of my improved cover-support in an inverted position. Fig. 2 represents the under side of the same.

My invention relates to a certain new and useful improvement in the center support upon which the covers rest in cooking-stoves; and it consists in the use of two or more intersecting open arches cast upon the under side of the center support, as herein described.

In the use of cooking-stoves, it is a necessary practice to place heavy utensils upon their covers, and upon the plate which supports them at the center of the fire-pot, while the stove is heated to a high degree, and by this means the central support is caused to bend downward and become useless for the purpose intended. The object of my improvement is to provide a means for preventing this result.

In the drawing the division-plate C is represented as cast with two tapering arches, *a b*,

arranged to intersect each other at *f*, where they are united. They are cast upon the under side of the plate C, where they are subjected to the greatest heat when in use. The effect of the heat upon these arches causes their elongation or expansion, and thereby they are made to exert a supporting force upon the center of the plate C, thus compensating for the yielding tendency of the heated plate.

With regard to the present state of the art I would say that my improved support, by the special arrangement of its intersecting braces, cast with it, and not fastened by means of rivets, screws, or any other devices, and not acting by resting on the bottom of the air-chamber or any other part of the stove, but operating upon the principles of expansion and contraction of heated bodies, combines both novelty and utility.

Having fully described my improvement in cooking-stoves, I claim and desire to secure by Letters Patent—

A division-plate, C, having two or more segmental supports, *a b*, cast upon its under side, in the manner and for the purpose described.

Witness my hand this 25th day of April, A. D. 1874.

JOHN ZIEGLER.

Witnesses:

H. P. K. PECK,

JOHN M. DAVIDSON.