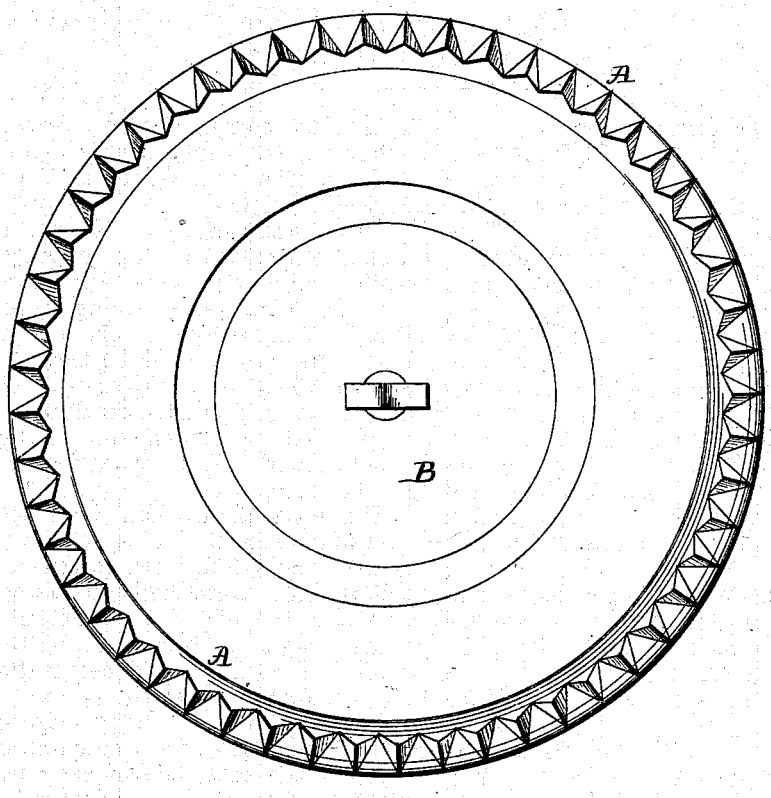
J. S. BROOKS.

STOVE-BOARD.

No. 186,458. Patented Jan. 23, 1877.



Witnesses:

A. J. Griggs
W. W. Wadsworth.

Inventor:

J. S. Brooks.

UNITED STATES PATENT OFFICE.

JOHN S. BROOKS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN STOVE-BOARDS.

Specification forming part of Letters Patent No. **186,458**, dated January 23, 1877; application filed December 9, 1876.

To all whom it may concern:

Be it known that I, JOHN S. BROOKS, of 809 Sackett street, Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Stove-Boards, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing.

My improved stove-board is of the kind known as "plain zinc boards," having no separate foundation under the metal covering or body, unless a paper lining is desired.

The special improvement is in the manner of supporting the beaded edge from flattening down by the ordinary use to which they are exposed, and which is very great, as it is at a point where it will be often under the feet.

Zinc has but little resisting-strength, and as some kind of ornamental bead is quite useful to keep the board in shape, it is very important that it should be supported in the hollow space formed by the under side of the bead.

I prefer a smooth-bevel bead as most in keeping with the stove-moldings, and very easy to be kept clean. For the support of this bead I turn a corrugated hem or edge inward, as shown in the drawing at A, and of such width and form in the corrugations that it will exactly fill the space under the bevel bead, so that one half, or every alternate apex, of the corrugations will rest on the floor, level with the central part of the board B, and the other half will touch the under side of the beading.

These corrugations act as a row of metallic arches, and must sustain a great pressure, while at the same time they assist the mechanical operation by taking up the metal as it is contracted by the hem. On a full-sized board the bead should be three-quarters of an inch wide, and one-quarter thick or deep at its inner edge, and taper down to a sharp edge at the rim, and the corrugated hem should exactly fill the space on the under side in thickness.

The manufacture can best be done by stamping-press and dies, as now in use for similar work; but it can be done by beading-rollers, which form the bead and the corrugation, and the edge can then be turned inward by spinning on a lathe, as the corrugations readily yield as the hem is drawn under.

I claim as my invention—

A support to the beaded edge of a stove-board, consisting of a corrugated hem, A, located on the under side of such beaded edge, substantially as shown and described.

JOHN S. BROOKS.

Witnesses:

A. I. GRIGGS,

W. W. WADSWORTH.