

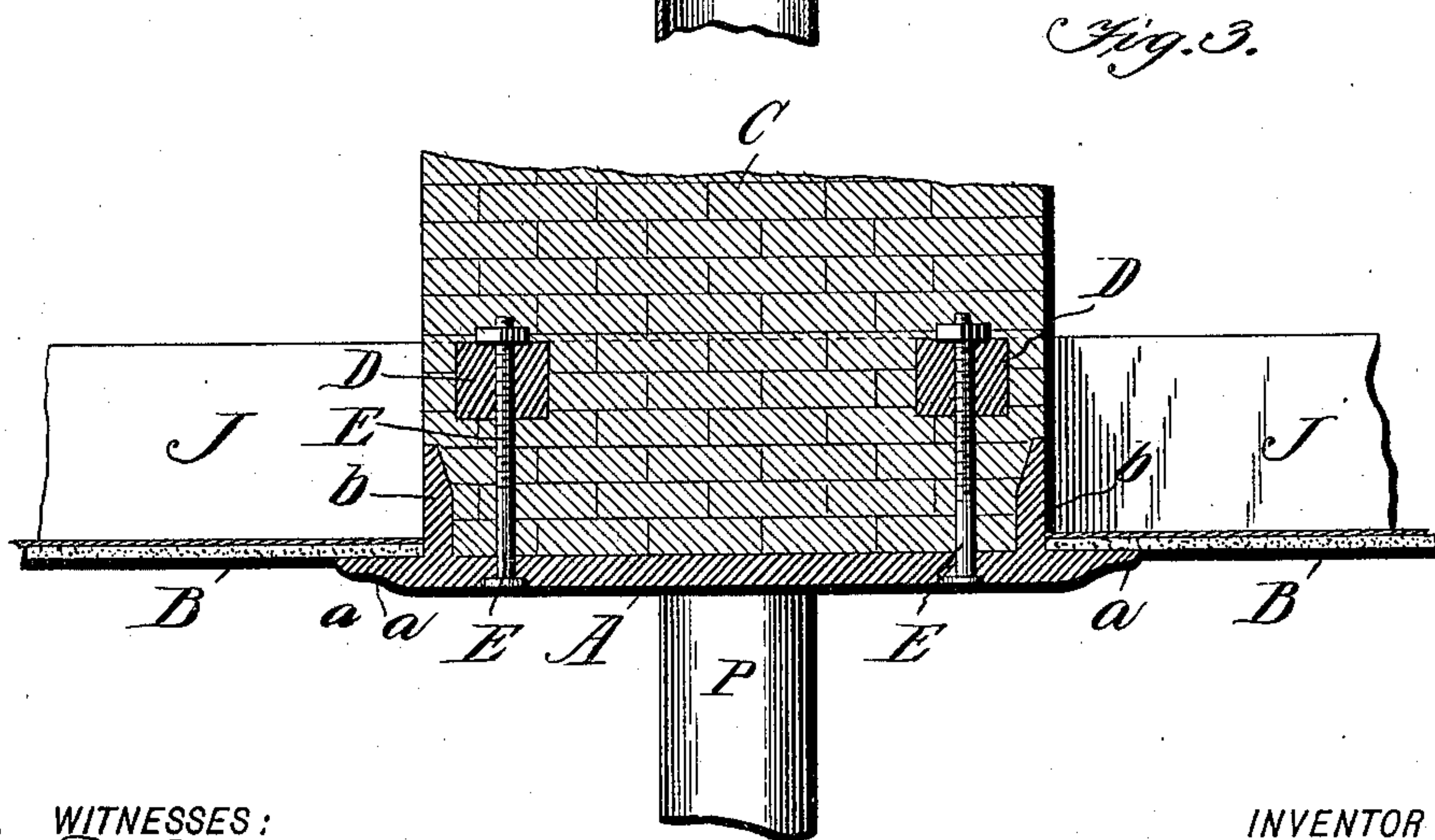
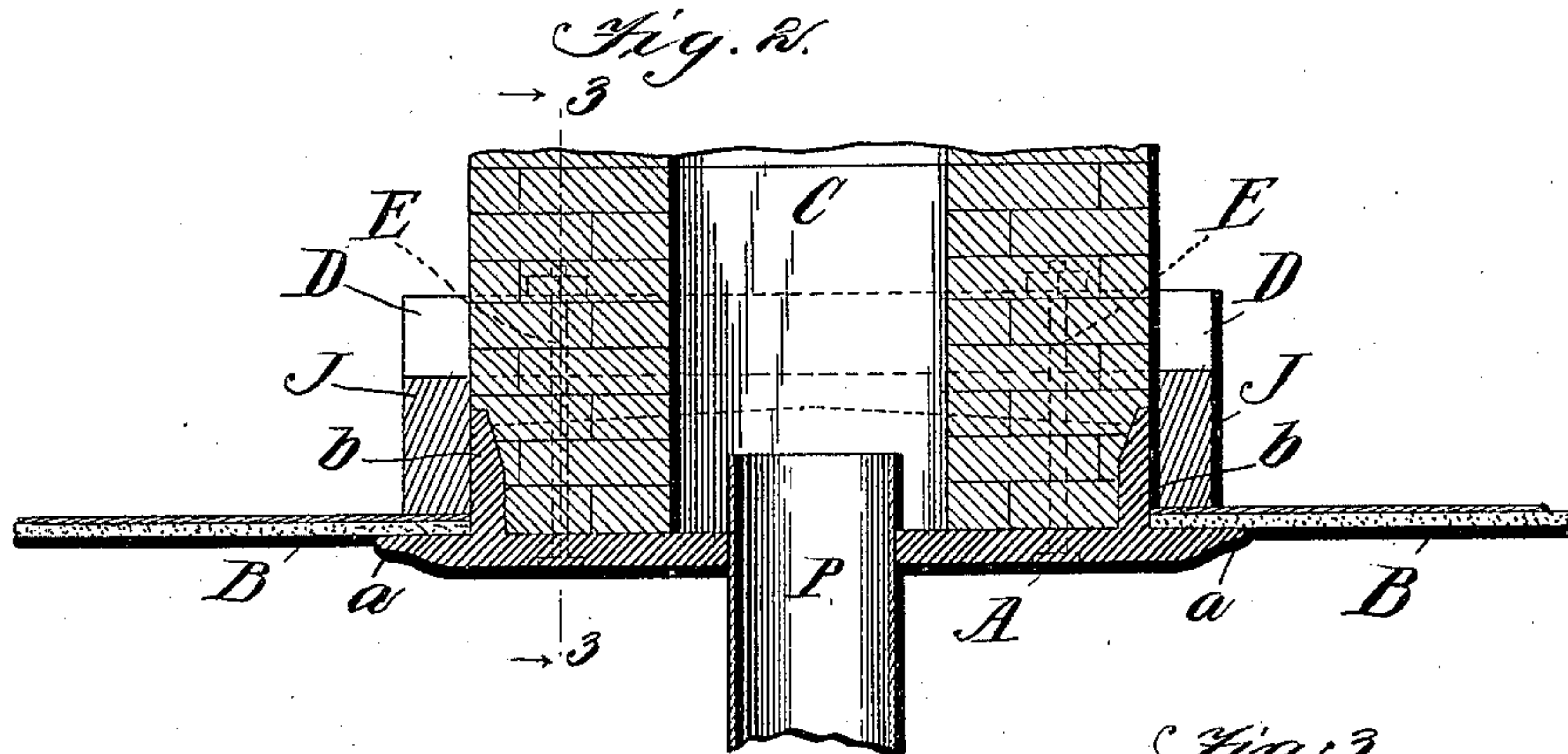
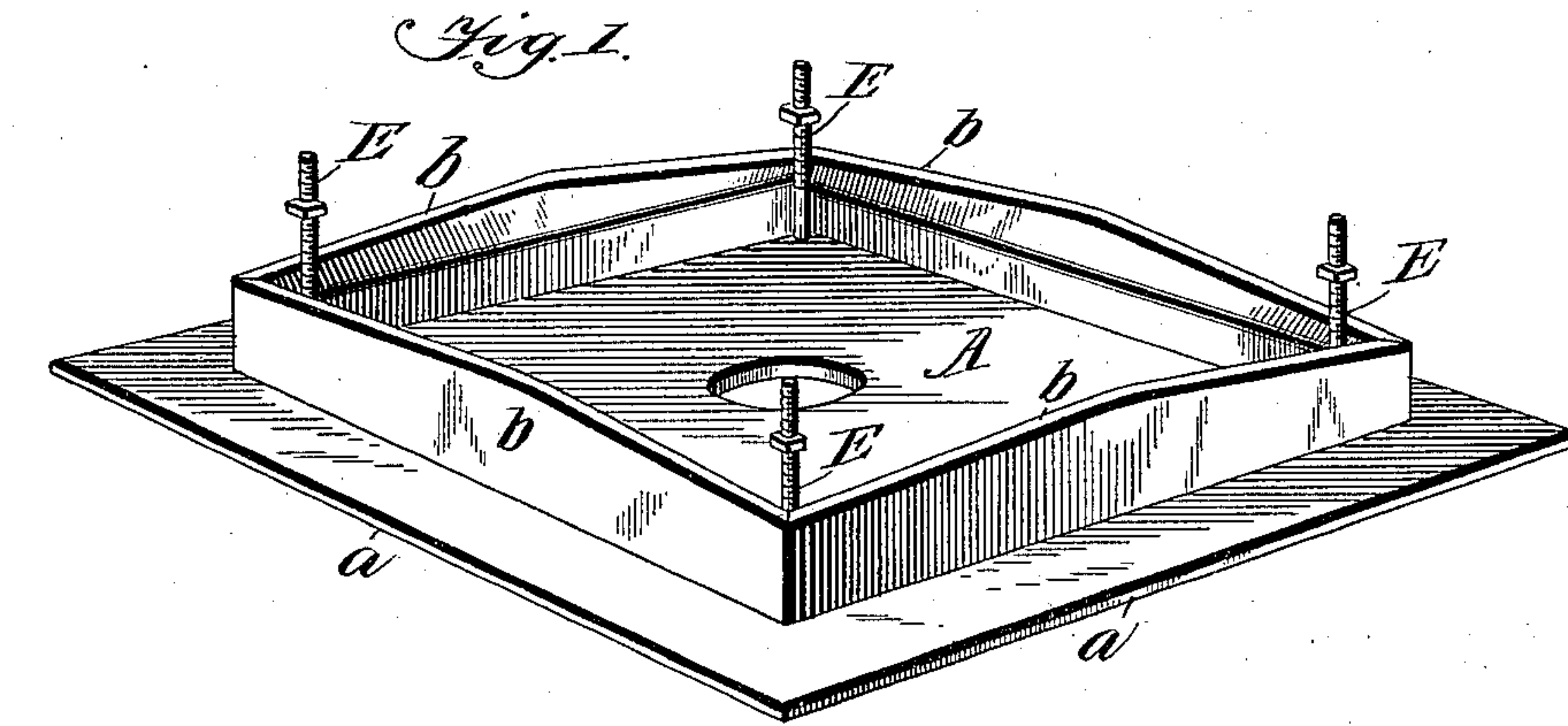
No. 685,615.

Patented Oct. 29, 1901.

J. KING.
CHIMNEY BASE.

(Application filed May 14, 1901.)

(No Model.)



WITNESSES:
Wm. D. Bradford.
Edw. W. Byrnes.

INVENTOR
John. King.
BY *Munn & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN KING, OF QUITMAN, GEORGIA, ASSIGNOR OF ONE-HALF TO LEWIS T. CREECH, OF QUITMAN, GEORGIA.

CHIMNEY-BASE.

SPECIFICATION forming part of Letters Patent No. 685,615, dated October 29, 1901.

Application filed May 14, 1901. Serial No. 60,132. (No model.)

To all whom it may concern:

Be it known that I, JOHN KING, of Quitman, in the county of Brooks and State of Georgia, have invented a new and useful Improvement in Chimney-Bases, of which the following is a specification.

My invention is in the nature of an improved base for supporting the weight of a chimney where it starts from and is carried upon the ceiling-joists and which receives the upper end of a vertical stovepipe from the story below.

It consists in the novel form of cast-iron plates and means for connecting it to the joists, whereby a practically fireproof construction is provided and a strong construction of good finish in the ceiling is obtained, as will be hereinafter more fully described with reference to the drawings, in which—

Figure 1 is a perspective view of the base with the hanger-bolts in place; Fig. 2, a central vertical section through the base, the chimney, and the stovepipe; and Fig. 3, a section on line 3 3 of Fig. 2.

In the drawings, A represents the chimney-base, which is a heavy cast-iron plate from one-half to five-eighths of an inch thick. This plate is square and is formed with a standing flange *b* on each of its four sides, which correspond in the distance between them to the space between the joists J J. The flanges *b* are arched along their upper edges or are made higher in the middle than at the ends, the middle portions being about two inches high and the end portion about one inch, and they slope in thickness from about a quarter of an inch at the top to five-eighths of an inch at the bottom, where they join the plate A. Usually the distance between the flanges *b b* will be about sixteen and one-half inches to receive the bricks from which the chimney C is built, which rests upon the plate A. The outer horizontal flanges *a* of the plate A extend out beyond the opening in the plastering B, so as to cover the joist, and have an ogee edge to make a neat finish in the ceiling of the room below.

The plate A is sustained upon four hanger-bolts E, which pass through holes in the plate and have screw-threaded upper ends that

pass through two cross-bars D D, of metal or wood, which are let into notches in the top of two adjacent joists and bridge across the space between the joists. The upper ends of the bolts are provided with screw-nuts, by which the plate A is held up to place in a tightly-fitting position.

The plate A is formed with a central hole to receive a stovepipe P, and when the latter is in place it comes in contact only with the metal plate A and has the masonry between it and the joists, and is therefore practically fireproof. The object in making the flanges *b* arched is to stiffen the same against the weight of the masonry.

I am aware that chimney-base plates have been arranged between the joists and supported thereon, and I do not claim the same broadly, but only my novel construction and arrangement of the same.

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

1. A chimney-base consisting of a cast-iron plate having a central hole, a horizontally-projecting flange *a*, vertically-extended flanges *b* extending around its four edges inside the horizontal flange, and four hanger-bolts arranged inside the corners of the vertical flanges and outside of the central hole substantially as described.

2. A chimney-base, comprising a cast-iron plate having a horizontally-projecting flange *a*, a vertical flange *b* extending around its four edges and a central hole; in combination with hanger-bolts E, and the bridged cross-pieces D D extending across the joists substantially as described.

3. The combination with the joist and cross-bars D D let into notches in the joists; of the base-plate having central hole with horizontal flange *a* and vertical flanges *b*, the hanger-bolts E extending through the base-plate and cross-bars, and the masonry chimney built upon the base-plate around its central hole substantially as described.

JOHN KING.

Witnesses:

L. T. CREECH,

GEORGE D. RAYSOR.