

A. HUTCHINSON.

Stovepipe Thimble.

No. 68,628.

Patented Sept. 10, 1867.

FIG. 1

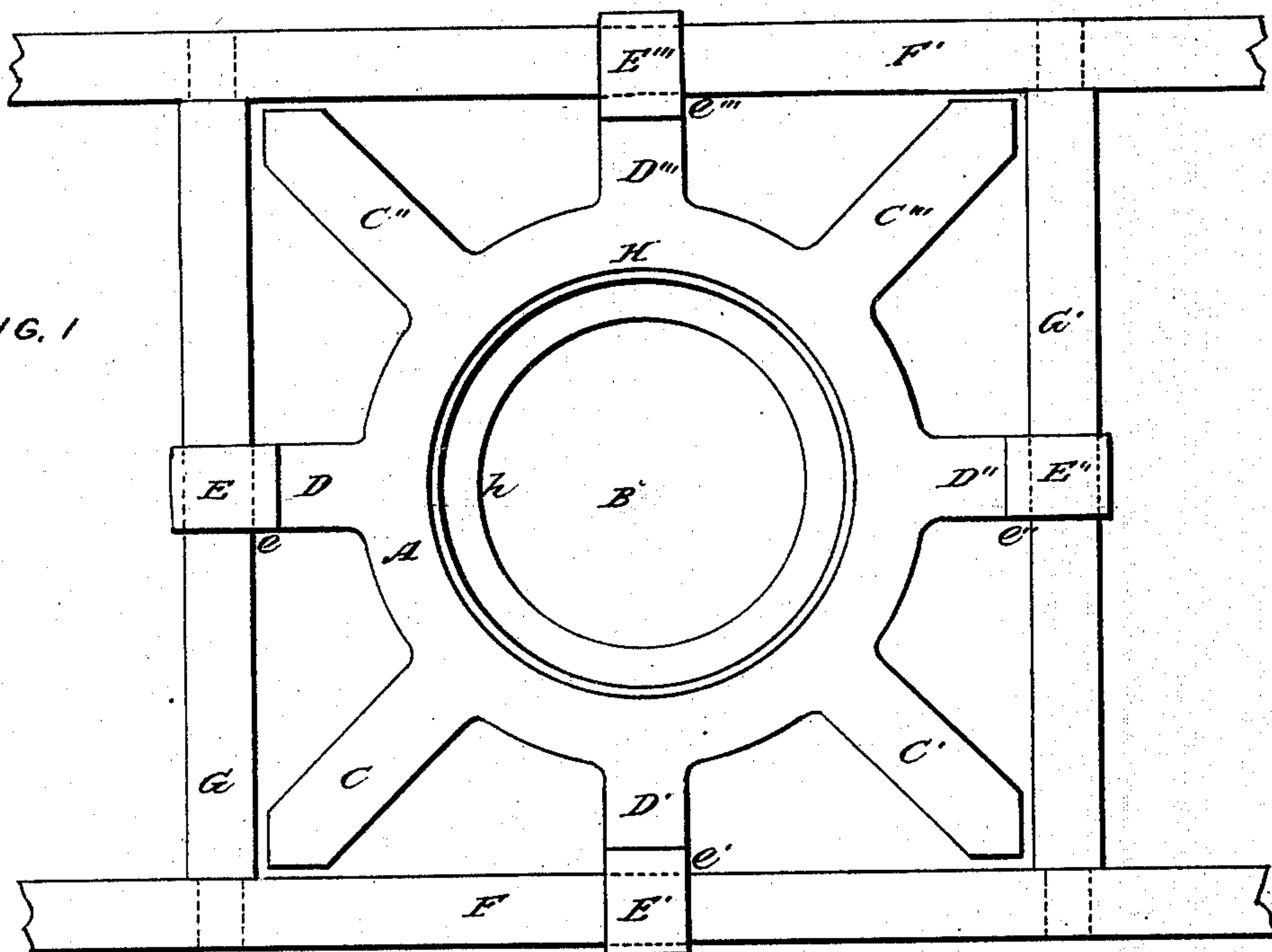
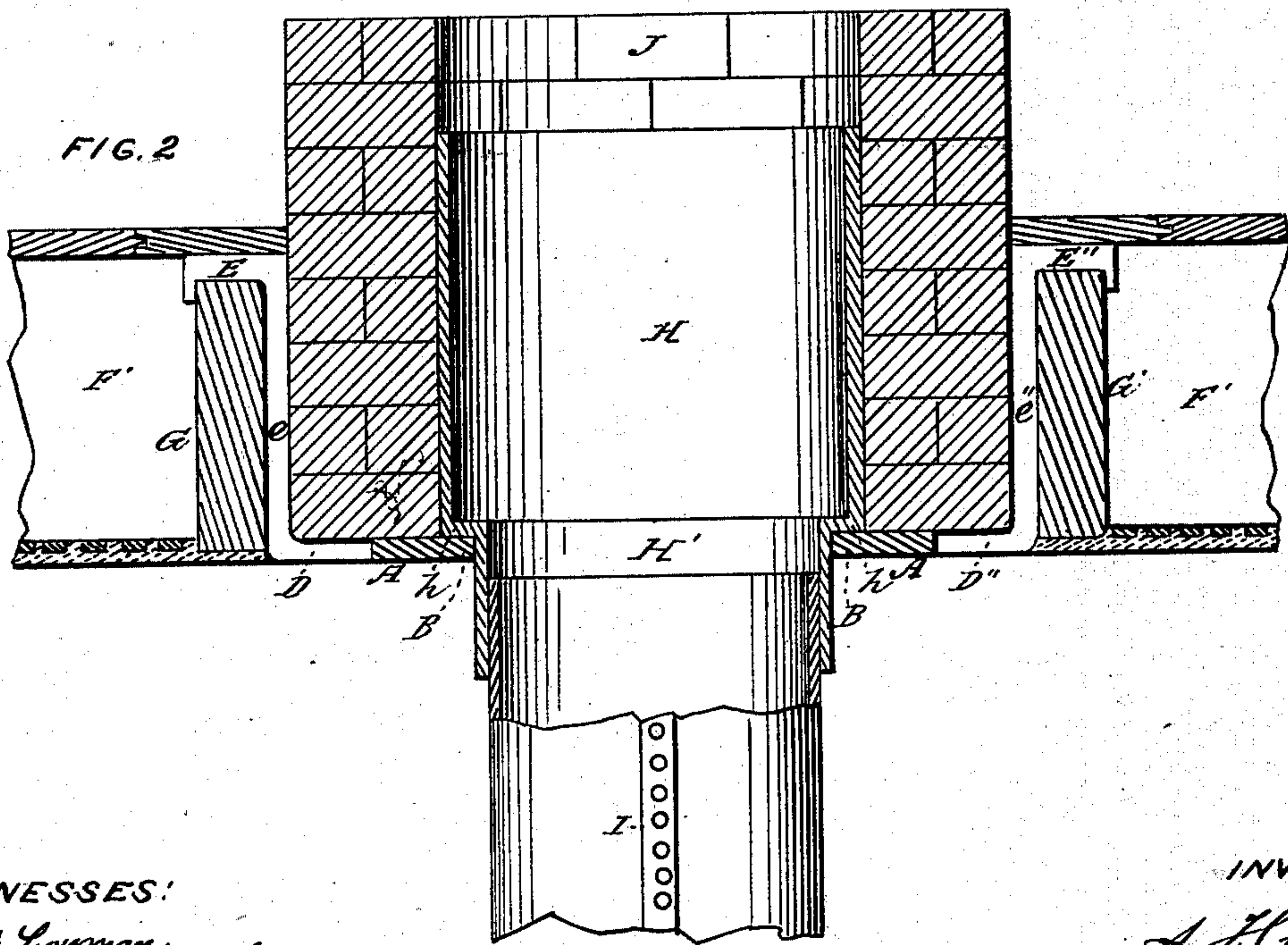


FIG. 2



WITNESSES:

Jas. H. Layman
Samuel Knight

INVENTOR:

A. Hutchinson
By Knight & Co.
Attys

United States Patent Office.

AZARIAH HUTCHINSON, OF MONTEREY, OHIO.

Letters Patent No. 68,628, dated September 10, 1867.

STOVE-PIPE THIMBLE.

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

TO WHOM IT MAY CONCERN:

Be it known that I, AZARIAH HUTCHINSON, of Monterey, Clermont county, Ohio, have invented a certain new and useful Fire-Proof Base for Stove Flues; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

The object of my invention is to secure houses from being burnt by the stove-pipe flues which pass up through the ceilings or roofs of the chambers in which the stoves are located, and I provide against such accidents by inserting the upper end of said stove pipes into a tube or cylinder, which is surrounded with bricks or stones in such a manner as to render it fire-proof, and thus prevent the contiguous joist or other wood-work taking fire from the heat of the stove pipe. In the accompanying drawings—

Figure 1 is a plan which shows the mode of attaching my fire-proof base to the joists of a house; and

Figure 2 is a vertical section showing the brick-work in position on the base and a portion of the stove pipe inserted in the flue.

The principal member of my fire-proof base consists of a bed-plate, A, which is pierced with a central and annular opening, B, and said bed-plate is supplied with a number of radial arms C C' C'' C''', D D' D'' D''', which arms D D' D'' D''' have vertical continuations *e e' e'' e'''* terminating in flanges E E' E'' E''', and these flanges rest upon the joists F F', and two trimmers G G', whose ends are mortised in said joists. H is a cylinder or tube of cast iron, stone-ware, or other suitable material, and this cylinder is provided with a shoulder, *h*, by which means said cylinder is confined to a central position within the annular opening B of the bed-plate. The lower end of this cylinder has a somewhat contracted portion, H', which projects through the laths and plastering of the ceiling, and the upper end of the stove pipe I is inserted in this portion of the cylinder. The cylinder H serves as a curb around which the brick-work J is erected, and as will be seen by referring to fig. 2, this brick-work is supported upon the bed-plate A and radial arms C D. The chimney may be either circular or square in its horizontal section, as may be desired. When a square chimney is to be built the masonry can extend as far as the arms C D reach, but in erecting a circular chimney it need only rest upon the bed-plate A. It will be seen that a wall of masonry J and also a cylinder H, both of which are good non-conductors of heat, are interposed between the stove-pipe and the wood-work, and as there is no open joint where the pipe enters the flue it will be an impossibility for an over-heated pipe to set fire to the building. The cylinder H may extend as far up within the chimney flue as may be desired. My fire-proof base enables a chimney to be built at a greatly reduced cost, as it is only necessary to attach the arms to the over-head joists, and run the masonry up through the roof of the building, thus saving the amount of bricks which would be necessary to carry the chimney up from the floor of the room, and thereby economizing valuable space.

I claim herein as new, and of my invention—

A fire-proof base for stove flues, consisting of a bed-plate, A, having a central aperture, B, and radial arms C D E *e*, &c., when used in connection with the cylinder H *h* H' for the reception of a stove pipe, the whole being arranged and operating substantially as herein explained and for the purpose set forth.

In testimony of which invention I hereunto set my hand.

AZARIAH HUTCHINSON.

Witnesses:

A. D. DAUGHERTY,
JAMES BOLSER.