

(No Model.)

H. W. GOODWIN.

STOVE PIPE FASTENER OR CLAMP.

No. 321,808.

Patented July 7, 1885.

Fig. 1.

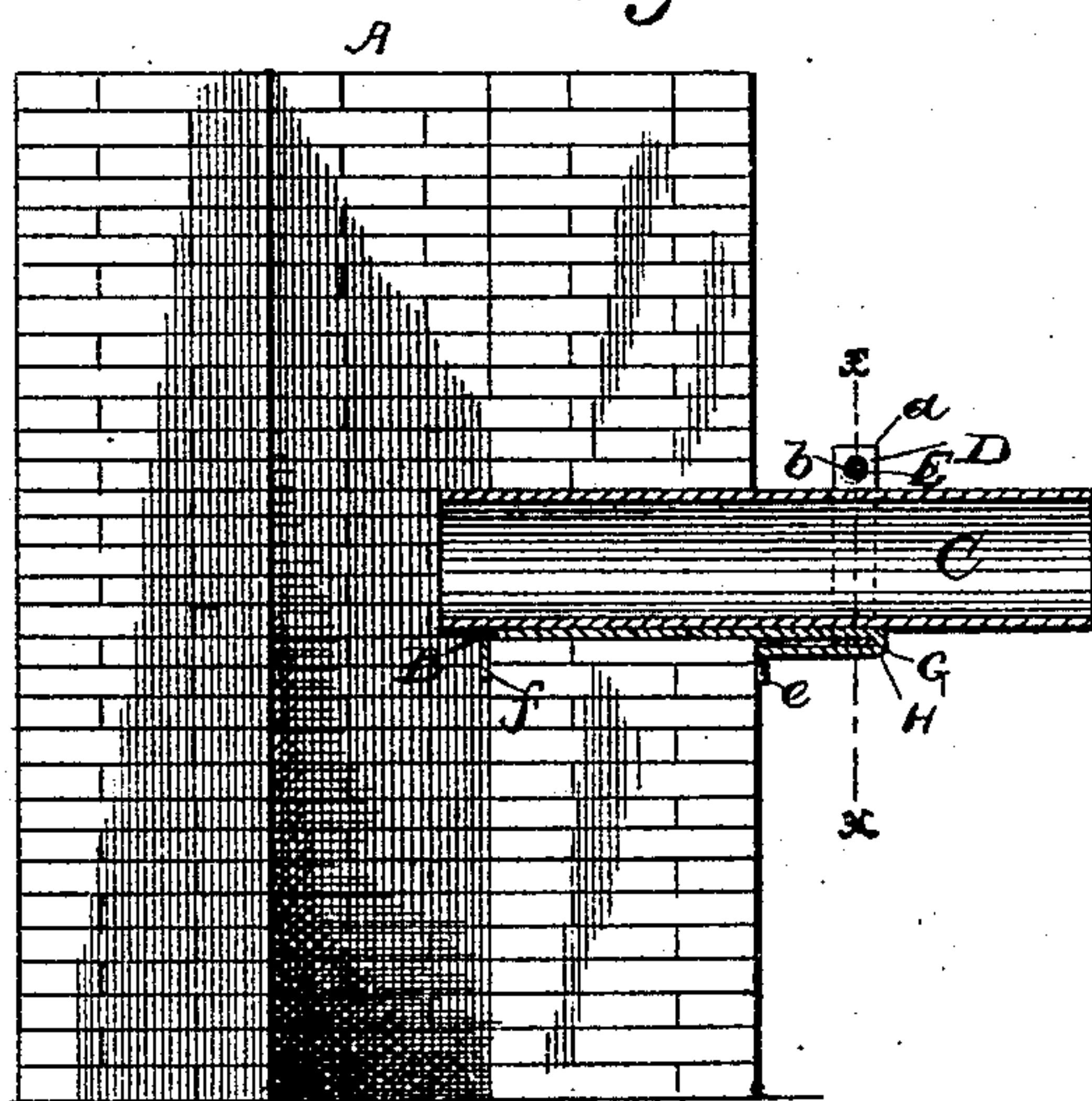


Fig. 2.

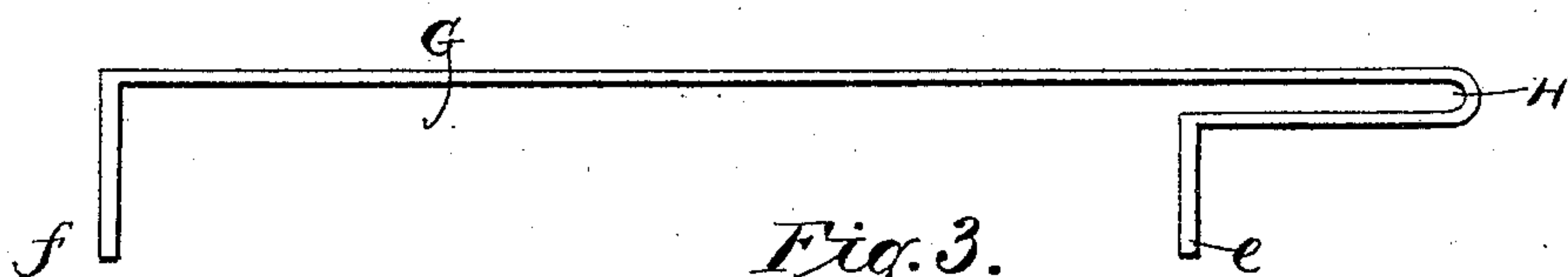
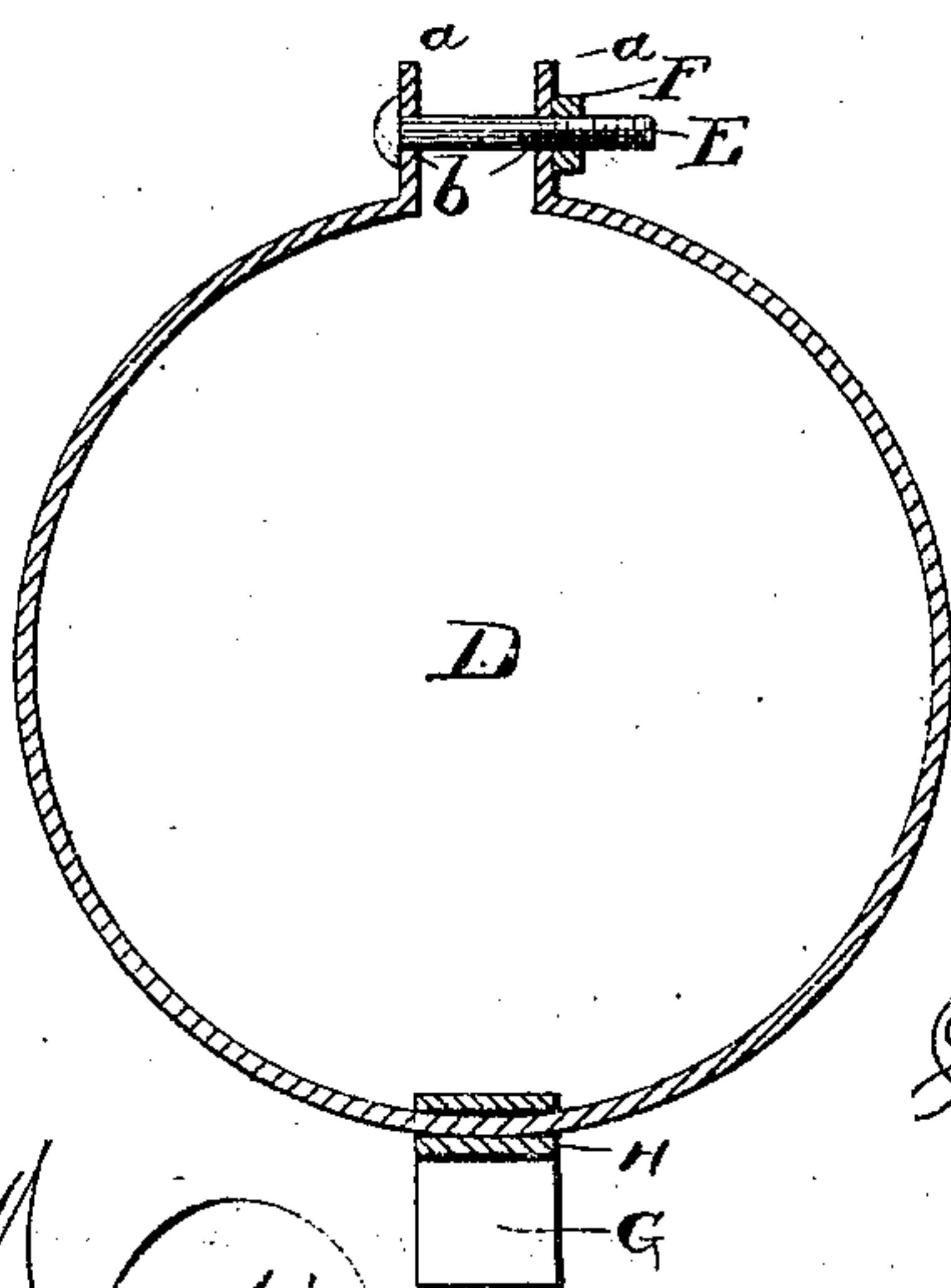


Fig. 3.



WITNESSES

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STOVE-PIPE FASTENER OR CLAMP.

SPECIFICATION forming part of Letters Patent No. 321,808, dated July 7, 1885.

Application filed April 28, 1884. (No model.)

To all whom it may concern:

Be it known that I, HILAND W. GOODWIN, of the city of Detroit, county of Wayne, and State of Michigan, have invented a new and useful Improvement in Stove-Pipe Fasteners or Clamps, which is fully set forth in the following specification, reference being had to the accompanying drawings, the same letters referring to the same parts in all the figures.

This invention relates to thimbles or clamps for fastening stove and other pipes into chimneys or flues; and it has for its object to provide a device of this character which will hold the pipes from displacement, so as to prevent them from being crowded in or working out.

With these and other objects in view the said invention consists in certain details of construction and combination of parts, as hereinafter set forth, and particularly pointed out in the claims.

In the drawings, Figure 1 is a sectional view of a chimney or flue, showing my improved device applied in position to fasten the pipe in place. Fig. 2 is a front elevation of the hook. Fig. 3 is a transverse section on the line $x x$, Fig. 1.

Referring to the drawings, A designates a chimney or flue having the usual opening, B, for the passage of the stove-pipe C.

D designates the circular fastening band or clamp, constructed of a sheet of iron or other suitable material, bent so as to conform to the shape of the pipe, and of the proper size to encircle or nearly encircle the same, the adjacent meeting ends of the band being bent up at $a a$ to provide lugs which are perforated at $b b$ for the passage of a bolt, E, the integral head of which bears against one lug a , a nut, F, screwing over the threaded end of the bolt and pressing against the other lug. It will be observed that by turning the nut the lugs may be brought closer together, and thus decrease the diameter of the band, so as to cause the latter to clamp or fasten itself over the pipe.

G designates the flue-hole hook, (see Fig. 2,) having one of its ends turned down or flanged at f to fit around and over the inner edge of the flue-opening B, and its other end bent to provide a loop, H, which has a de-

pending stop, e , intermediately between the flange f and the end of the loop, said stop limiting the inward movement of the hook.

The operation of my invention will be readily understood from the foregoing description, taken in connection with the annexed drawings.

In manufacturing the hook the flanged end is bent to point in the same direction as the stop e , so that the distance between the flange f and the stop will be the same, or nearly so, as the thickness of the wall of the flue or chimney. In practice the flange should fit around the opening B at the inside of the flue, while the stop should bear against the outside thereof. The clamp or band D is slipped into the loop H of the hook G, and the latter is inserted through the flue-opening B in such a manner that the flanged end f catches inside the flue to prevent withdrawal thereof. The stove-pipe is then passed through the clamp into the opening B, and the ends of the clamp brought together and tightened by the bolt and nut before mentioned, so as to rigidly hold the pipe in the desired position in the chimney or flue.

In this manner I construct a simple contrivance to keep stove-pipes from working out of chimneys, which by the jar in house-tops they are apt to do, and also to prevent the pipes from being crowded in so far as to shut off the draft. The device is detachable, and can be changed from one pipe of the same size to another, and by not making the flange f until it is ready to be applied the device can be used on chimneys of any thickness of walls.

Though the band D is shown of a circular form, it can be made to conform to any irregular shape of pipe.

It will be apparent that the device can be used in connecting two meeting joints of pipes by employing one hook and two bands, each of the latter clamping around one length of pipe, and after adjusting the hook tightening the band, when the two pieces of pipes cannot be drawn apart. This arrangement will be found of service when a furnace is used to heat two rooms, one adjoining the other.

Having described my invention, I claim—

1. The combination, with the stove-pipe fit-

ted in the flue-opening, of the fastening band
or clamp, and the flue-hole hook provided with
a flange, *f*, at one end, and loop *H* at the other
end, the inner termination of which loop is
5 open to receive the fastening-band, as and for
the purpose set forth.

2. The combination, with the stove-pipe fit-
ted in the flue-opening, of the fastening band
or clamp, and the flue-hole hook provided with

a flange, *f*, at one end, a loop, *H*, at the other 10
to encircle the band or clamp, and a stop, *e*,
at the inner termination of the loop interme-
diately between the ends of the hook, as set
forth.

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Witnesses:

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