

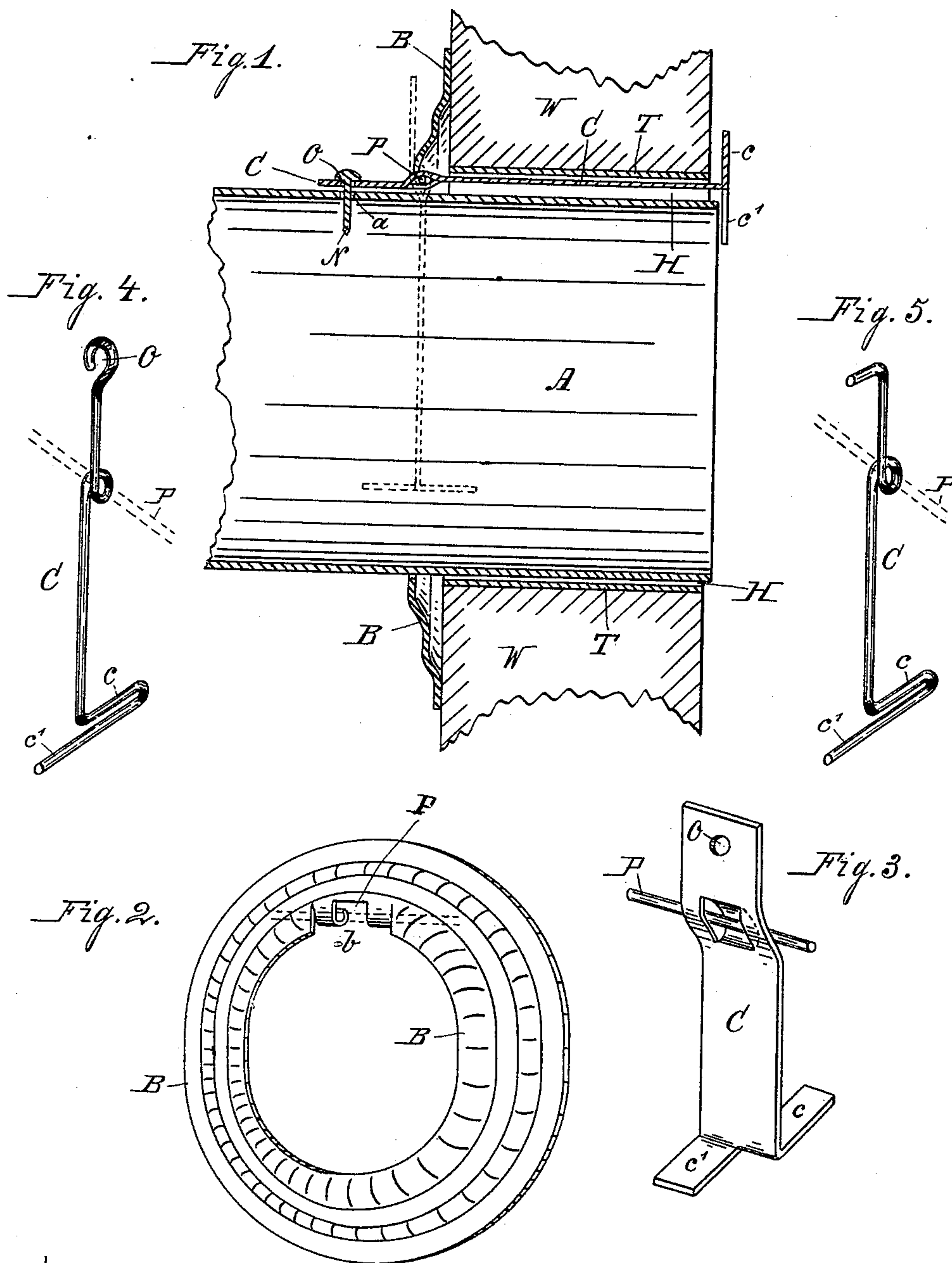
(No Model.)

R. P. DAGGETT.

STOVE PIPE FLANGE AND RETAINER.

No. 346,431.

Patented July 27, 1886.



WITNESSES :

Theodore Langhin,
Charles Muege.

INVENTOR:

Robert P. Chaggett,
Per James B. Liggins & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

ROBERT P. DAGGETT, OF INDIANAPOLIS, INDIANA, ASSIGNOR OF ONE-HALF TO JAMES B. LIZIUS, OF SAME PLACE.

STOVE-PIPE FLANGE AND RETAINER.

SPECIFICATION forming part of Letters Patent No. 346,431, dated July 27, 1886.

Application filed February 19, 1886. Serial No. 192,492. (No model.)

To all whom it may concern:

Be it known that I, ROBERT P. DAGGETT, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Combined Stove-Pipe Flange and Retainer, of which the following is a specification.

The objects of my invention are to provide a device that, while serving as a stove-pipe flange, will prevent the pipe from slipping too far into the flue and obstructing the draft, that will retain the pipe in its proper place after the same has been inserted into the flue-opening, and one that will hold the stove-pipe flange snugly up against the wall and around the pipe.

Heretofore various stove-pipe stops and retainers have been in use, which either proved too complicated or expensive, necessitating the riveting and securing of loops, hooks, or the like to the pipe, or the walling into the flue-opening of peculiarly-constructed thimbles.

My device, which serves at the same time as a stove-pipe flange, stop, and retainer can be used with the common round sheet-iron thimbles.

In the accompanying drawings, Figure 1 is a longitudinal vertical section through the stove-pipe and my combined flange and retainer when the pipe is in position in the flue-opening; Fig. 2, a perspective view of the flange proper; Fig. 3, a view of the stop and retaining attachment when made of sheet metal or cast, while Figs. 4 and 5 show the same made of wire.

Similar letters refer to similar parts throughout the several views.

A is the stove-pipe, T an ordinary stove-pipe thimble; B, a stove-pipe flange, such as are in common use.

At one point, *b*, in the inner periphery of the flange B, the flange is cut into and bent so as to receive a hinge or pivot pin, P, as shown in Fig. 2, which pin P, slipped through a loop formed by cutting and bending the retaining-strap I near its upper end, when made of sheet metal, as shown in Fig. 3, hinges the said retaining-strap to the flange B.

When the strap C is made of wire, the wire is bent and twisted to form an eye or loop to receive the pin P, as shown in Figs. 4 and 5.

The hinge seat *b* is cut and bent out of the sheet metal forming the flange B; or, if preferred, separate loops or eyes may be riveted to the flange B.

The end of the longer arm of the strap C, when made of sheet metal, is split vertically, and the two halves are bent at right angles to the strap in opposite direction, so as to form an upper and lower flange, *c* and *c'*. The shorter arm of the strap C is provided with a hole, O, to receive a pin or common nail, N.

When the strap C is made of wire, the flanges *c* and *c'* are formed by bending and counter-bending the wire T shape, while the shorter arm terminates in a loop or eye to receive the pin N; or it may be bent so as to form a hook, as shown in Fig. 5, in which case the hook will take the place of the pin N, and the strap C will directly engage into the opening *a* of the stove-pipe A. Further, the hinging together of the strap C and the flange B being accomplished by a simple wire or pin, P, or any other suitable interlocking device, the use of costly machinery or workmanship is avoided.

The device operates in the following manner: The flange B being held over the flue-hole H in the wall W, with the hinge-point *b* above the flue-hole and the longer arm of the strap C hanging down vertically, the stove-pipe A is inserted through the flange B into the flue-hole H. As the pipe slips into the hole H, it raises the long arm of the strap C until the same lies snugly against the thimble T, with the flange *c* extending up on the back side of the flue-wall, and the end of the pipe A stopping against the flange *c'*. The shorter arm of the strap C then extends outward over the upper surface of the pipe A, and is secured to the said pipe A by inserting a pin or nail, N, into the hole or the loop O and a corresponding hole, *a*, punched through the pipe A; or when the end of the short arm is hook-shaped the hook drops in the hole *a*. The pipe A is thus firmly secured in its place, the flange *c'* preventing it from slipping farther into the flue, and the hook or pin N preventing it from slipping out of the flue.

The length of the longer arm of the strap C varies according to the thickness of the wall W.

Having thus fully described my invention,

what I claim, and desire to secure by Letters Patent, is—

1. In combination with the stove-pipe A, provided with the hole *a*, and the wall W, provided with the flue opening H, the stove-pipe flange B, the retaining-strap C, hinged or pivoted thereto and provided with the hole O, the said strap C being divided by the hinge-seat into a long lower and a short upper arm, the flanges *c* and *c'* at the end of the longer arm, bent as described, and the pin N, for securing the shorter arm to the stove-pipe A, all constructed as described, and for the purpose specified.

2. The combination, with the stove-pipe A, provided with the hole *a*, and the wall W, provided with the flue-opening H, of the stove-pipe flange B, the strap C, pivoted or hinged thereto near one of its ends, and being provided with the flanges *c* and *c'*, and the hole O and the pin N, all arranged and constructed as described, and for the purpose of retaining the stove-pipe A in its proper place in the flue-hole H.

3. As an article of manufacture, a stove-pipe flange and retainer having the flange B and the strap C, provided with the flanges *c* and *c'* and the opening O, the flange B and the strap C being hinged together, as described, and for the purpose specified.

4. As an article of manufacture, a stove-pipe flange and retainer having an ordinary stove-pipe flange, B, and a retaining-strap, C, said strap C being bent of wire to form one long arm terminating in the flanges *c* and *c'*, and one short arm terminating in an eye, O, or a hook, as described, the flange B and the strap C being hinged or pivoted together, as described, and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT P. DAGGETT.

Witnesses:

THEODORE LAUGBEIN,
CHARLES NUERYE.