

(No Model.)

J. J. TRAVIS.
STOVE PIPE AND COLLAR FASTENER.

No. 468,629.

Patented Feb. 9, 1892.

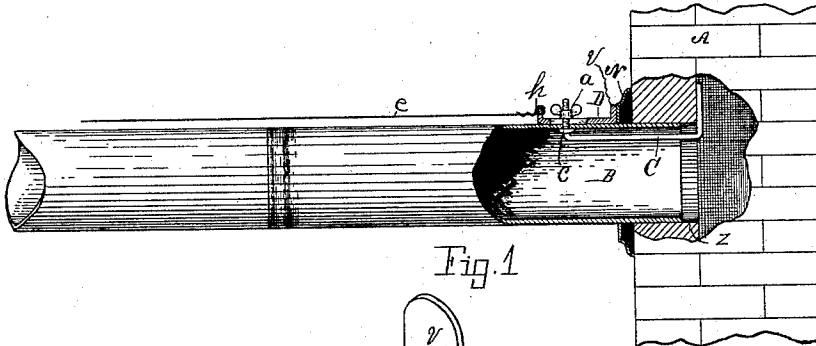


Fig. 1

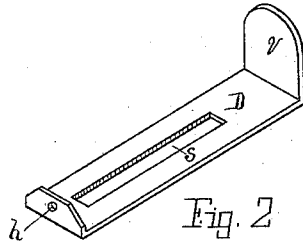


Fig. 2

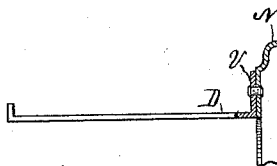


Fig. 3

Witnesses:

Walter S. Wood
Byron W. Chapman

Inventor.

John J. Travis
By *Lucius C. West*
Att'y.

UNITED STATES PATENT OFFICE.

JOHN J. TRAVIS, OF THREE RIVERS, ASSIGNOR OF ONE-HALF TO HENRI G. IDE, OF OXFORD, MICHIGAN.

STOVE-PIPE AND COLLAR FASTENER.

SPECIFICATION forming part of Letters Patent No. 468,629, dated February 9, 1892.

Application filed April 11, 1890. Serial No. 347,441. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. TRAVIS, a citizen of the United States, residing at Three Rivers, county of St. Joseph, State of Michigan, have
5 invented a new and useful Stove-Pipe and Collar Fastener, of which the following is a specification.

This invention relates to that class of devices for locking the pipe in the chimney, and
10 which employs a rod attached to the pipe and having an angled end for engaging the inside of the chimney, and in which is employed a lock-plate for clamping the collar which surrounds the pipe against the chimney.

15 The object of the invention consists in certain new features of construction, in combination with old features, designed to effect greater utility.

In the drawings forming a part of this specification, Figure 1 is a side elevation with parts
20 broken away. Fig. 2 is an enlarged lettered detail from Fig. 1 in perspective; and Fig. 3 shows enlarged broken details from Fig. 1, showing changes.

25 Referring to the lettered parts of the drawings, A represents the chimney, and B the pipe inserted into the thimble or pipe-hole *a* of said chimney.

At C in Fig. 1 is shown a rod turned upward
30 at each end at right angles. One end of this rod engages the inner surface of the chimney above the thimble or pipe-hole, while the other end is threaded, as at *a*, and passes up through a hole in the pipe B. This threaded
35 end *a* is provided with an adjustable nut *c*, which forms a shoulder against the interior surface of the pipe at a point where the threaded end passes up through said pipe.

At D is a lock-plate provided with an elongated slot S and an angled end *v*, which end
40 clamps against the collar N and holds it in close contact to the chimney. The threaded end *a* of the rod C comes up through the slot S, and by means of a thumb-nut screwed onto
45 the threaded end *a* of the rod C the lock-plate is not only firmly clamped to the pipe B and against the collar N, but by means of the shoulder *c* the rod C is held at a proper angle and in a firm manner. The shoulder C
50 also completely closes the hole in the pipe through which the threaded end of the lock-

ing-rod C is passed, thus preventing any escape of smoke into the room and any interference with the draft. By adjusting the nut
55 *c* up or down the proper angle is given the upturned end which comes against the inside surface of the chimney, according to the variations of the surface, and at the same time have the angled end of the locking-rod C, which is in the chimney, extend well up-
60 ward to obtain the proper engagement with said inside surface of the chimney. Still by loosening the thumb-nut the rod C will readily tilt down, so as to remove the pipe from the chimney.

65 In Fig. 3 the end *v* of the lock-plate D is shown rigidly attached to the collar N, while in Fig. 1 these parts are separate. The former plan is quite desirable for the reason that any movement of the collar N to adjust it to its
70 proper position will also adjust the lock-plate. The lock-plate has an angled end *h*, provided with a hole for the attachment thereto of a wire *e*, Fig. 1. The left-hand end of the wire
75 *e* is here shown broken, but the design is to attach said end to the pipe at some suitable point—as, for instance, at the turn of an elbow—and thus not only locks the pipe in the chimney, but locks the joints of a pipe to-
80 gether by means which are attached to said chimney.

Referring again to the nut *c*, which forms a shoulder on the threaded part *a* of the rod C, this shoulder may be of integral enlargement on said locking-rod, if preferred.

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

In a stove-pipe and collar fastener, the combination, with a length of stove-pipe having
90 a hole in its upper side near one end, a collar on the pipe between the hole and the end nearest thereto, an exterior locking-plate secured at one end to the collar and provided intermediate its ends with a longitudinal slot
95 registering with the hole through the pipe, a tie-wire attached to the outer end of said plate and adapted to be connected with the pipe beyond the joint between said length and the remainder of the stove-pipe, a rigid
100 locking-rod within the pipe, the ends of which are bent at substantially right angles thereto

and one of which ends extend beyond the end of the pipe and is adapted to engage with the interior of the chimney, and the other end is screw-threaded and projects up through the
5 hole in the pipe and the slot of the locking-plate, a nut upon the end of the rod within the pipe, adapted to properly adjust the angle of the end of the rod which engages with the chimney, and a nut upon the end of the rod

outside of the plate for clamping the parts together, substantially as described. 10

In testimony of the foregoing I have hereunto subscribed my name in presence of two witnesses.

JOHN J. TRAVIS.

Witnesses:

BELLE C. FREEMAN,
L. N. BURKE.