

(No Model.)

F. H. LIVINGSTON.
STOVEPIPE CLAMP.

No. 591,480.

Patented Oct. 12, 1897.

Fig. 1.

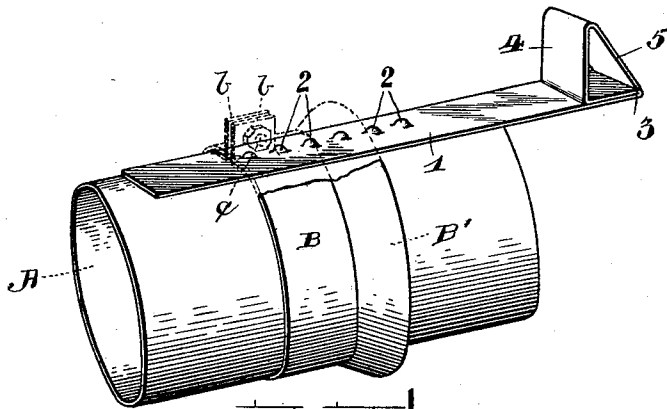


Fig. 2.

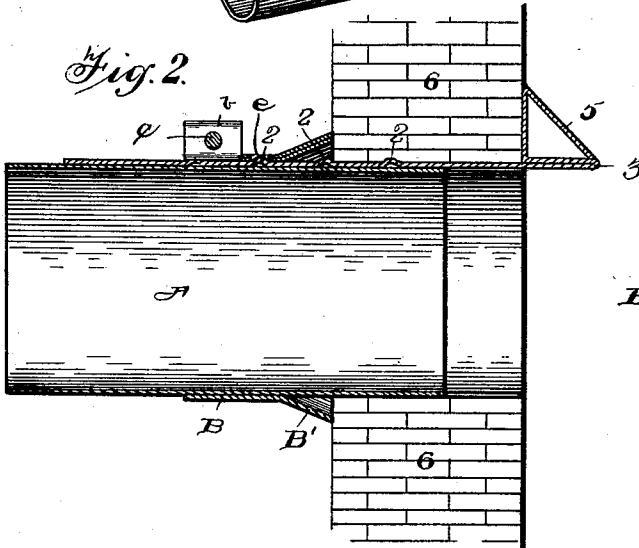
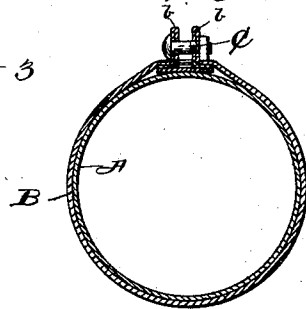


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

FREDERICK H. LIVINGSTON, OF ITHACA, NEW YORK.

STOVEPIPE-CLAMP.

SPECIFICATION forming part of Letters Patent No. 591,480, dated October 12, 1897.

Application filed September 15, 1896. Serial No. 605,858. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK H. LIVINGSTON, a citizen of the United States, residing at Ithaca, in the county of Tompkins and State of New York, have invented certain new and useful Improvements in Stovepipe-Clamps; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to improvements in stovepipe-clamps, and the object is to provide an adjustable clamp and collar for receiving a stovepipe in the chimney.

To this end the novelty consists in the construction, combination, and arrangement of the several parts of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same letters and figures of reference indicate the same parts of the invention.

Figure 1 is a perspective view of my improved clamp applied to a section of stovepipe. Fig. 2 is a longitudinal section of the same, and Fig. 3 is a transverse section.

A represents the stovepipe, and B the cylindrical collar, provided with a flaring mouth or flange B', which covers the hole in the wall or chimney. This flange B' may be made at a right angle to the collar, if desired. The cylindrical collar B is provided with two contiguous ears *b b* on the opposite lapping edges of the collar, and they extend parallel and radially outward, being perforated to receive an adjusting bolt and nut *c*, by means of which the collar is rigidly adjusted to the stovepipe. The cylindrical lapping edges of the collar between the ears and the flaring flange are provided with transverse oblong perforations *e*, which engage one of the teats 2 2 on the clamp 1, which is longitudinally adjustable with reference to the pipe and collar, and when in place is rigidly clamped between the pipe and collar by the bolt *c*. The outer end of this clamp 1 is bent backward upon itself at 3 and parallel with the clamp for a short distance, thence upwardly at a right angle to form the arm 4, thence for-

wardly at an angle to the point 3, forming a brace 5, the whole being somewhat similar to the figure of a right-angle triangle.

Fig. 2 shows very clearly the manner of using the device, the wall or chimney being represented by the numerals 6 6. The pipe being inserted in the hole, the clamp 1 is then pulled forward until its arm 4 rests against the opposite side of the wall. The collar is then pushed up until its flange rests against the inside of the wall and the perforations *e* engage one of the projecting teats on the clamp. The bolt and nut are then tightened, which draws the ears of the collar together, the overlapping edges slipping one over the other, allowing the collar to contract and rigidly secure the clamp, collar, and pipe together. When in this position in the wall, the arm 4 prevents the pipe being drawn inwardly, while the flange B' prevents its further passage outwardly.

Although I have specifically described the construction and relative arrangement of the several elements of my invention, I do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of my invention without departing from the spirit thereof.

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

As an improved article of manufacture, a clamp for stovepipes, comprising the cylindrical collar B, formed with the integral flaring flange B', and having overlapping edges, provided with integral parallel ears *b b*, and aligned perforations *e*, in combination with the longitudinal clamp 1, formed with a longitudinal series of raised teats 2 2, and the integral right-angular arm 4, the whole constructed and arranged substantially as shown and described.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

FREDERICK H. LIVINGSTON.

Witnesses:

MARTIN CONWAY,
J. F. MCCARTHY.