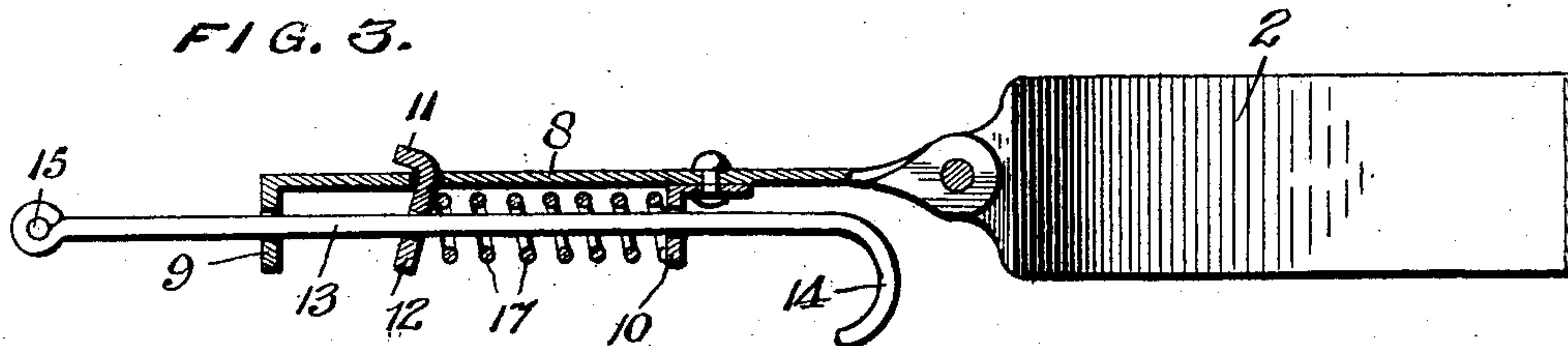
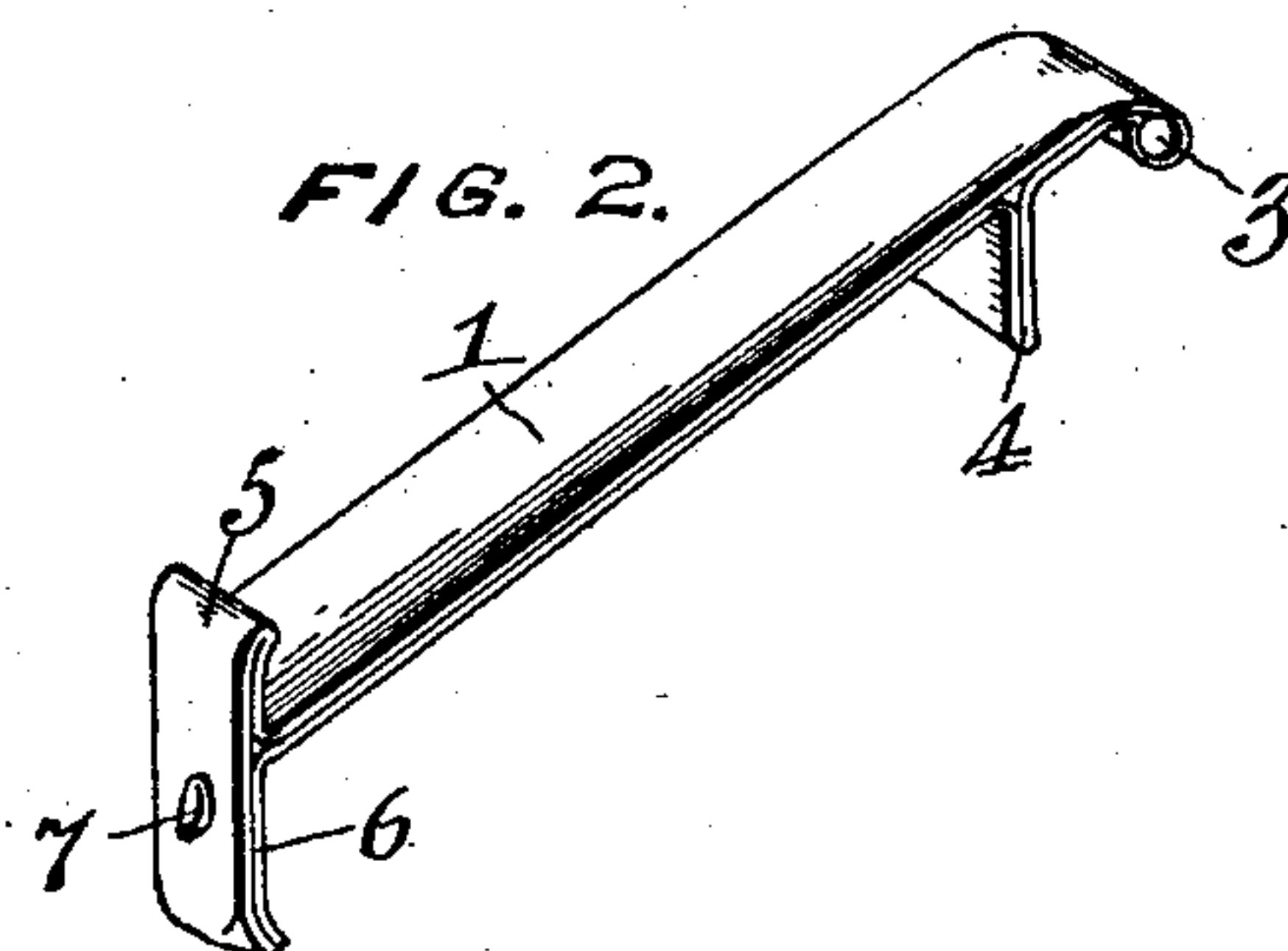
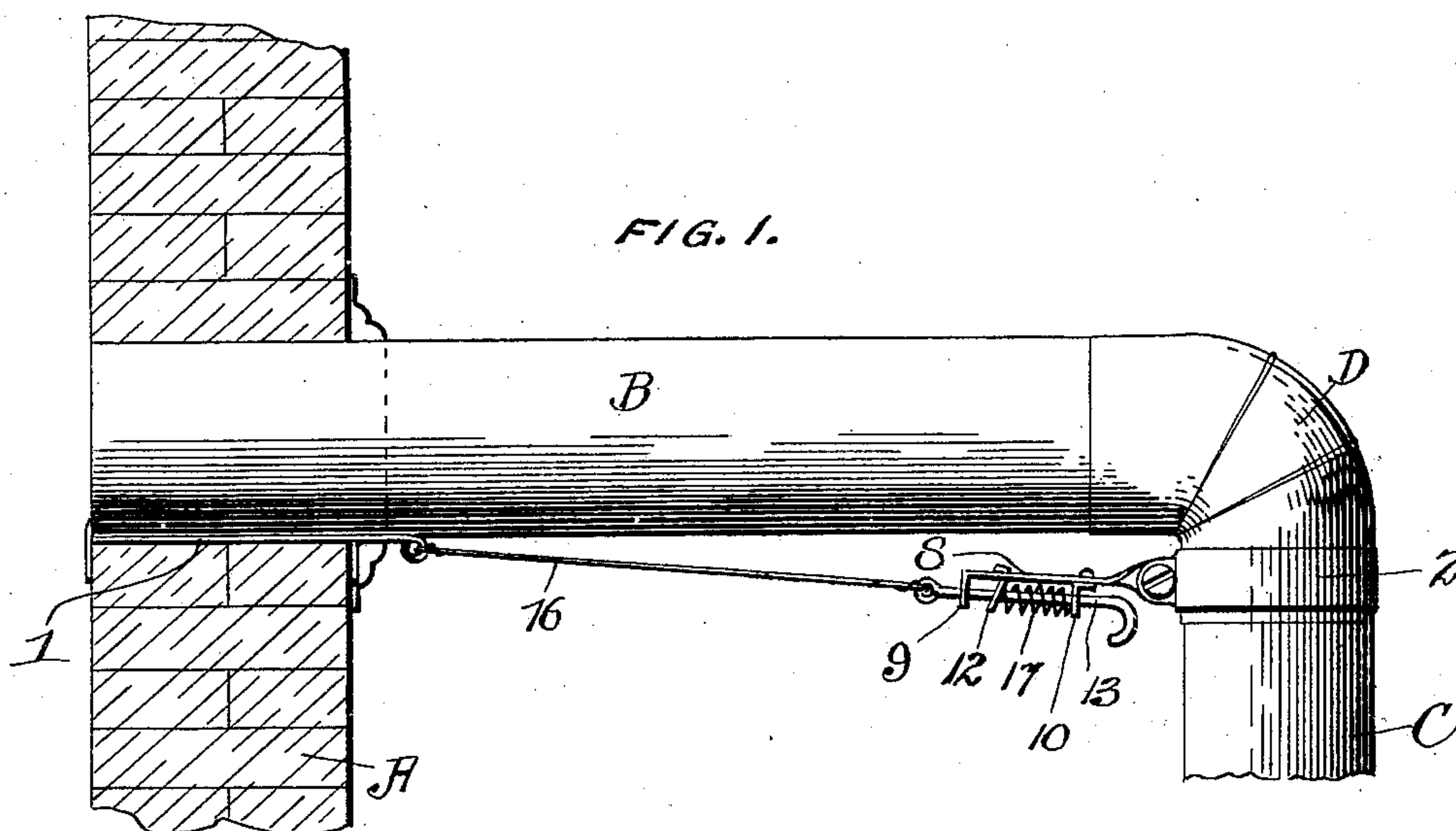


J. N. QUEEN.
STOVEPIPE HOLDER.
APPLICATION FILED OCT. 27, 1908.

931,086.

Patented Aug. 17, 1909.



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JAMES N. QUEEN, OF TOLEDO, ILLINOIS.

STOVEPIPE-HOLDER.

No. 931,086.

Specification of Letters Patent.

Patented Aug. 17, 1909.

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To all whom it may concern:

Be it known that I, JAMES N. QUEEN, a citizen of the United States, residing at Toledo, in the county of Cumberland and State of Illinois, have invented certain new and useful Improvements in Stovepipe-Holders, of which the following is a specification.

My invention relates to stove pipe holders of that character adapted to rigidly maintain a stove pipe within a chimney opening, and the object thereof is to provide a simple and inexpensive device embodying a novel and simple locking means for securing the device in its position of adjustment, and other simple and novel features of construction and arrangement associated therewith.

In the accompanying drawings, illustrating my invention, and forming a part of this specification, and wherein like characters are used to designate like parts throughout the several figures, Figure 1 is an elevation of a stove pipe held in position within a chimney opening, and illustrating my improved device. Fig. 2 is a perspective view of the anchor plate removed, and, Fig. 3 is a longitudinal sectional view taken through the pipe band, and the adjusting plate, illustrating the adjusting rod in its operative connection therewith.

Referring to the drawing, A designates a chimney wall provided with an opening within which is adapted to be inserted, the forward end of a stove pipe B, which, as shown, is a horizontal pipe, having connection with a vertical pipe C, at its rear end, by means of an elbow, D.

In the embodiment of my invention, as shown, I provide an anchor plate 1, extending through the wall opening, and provided with means for engaging the wall A at the sides of the opening, and for engaging the forward end of pipe B, and a band 2 encircling the upper end of the stove pipe B, together with certain novel connections between the anchor plate 1, and said band 2, whereby the pipe B may be rigidly maintained in its position, as shown. The anchor plate 1 comprises an elongated relatively narrow strip of sheet metal, bent back upon itself to form a lateral eye 3, at the contiguous ends of its extension. One of the extensions of the strip forming the anchor plate 1 is provided with portions adjacent the contiguous ends of said extensions, which portions are bent upon themselves at right angles to the plane of said extensions, and said

extension is further bent at its end, at right angles to the plane of the said extension and parallel to the plane of its portions 4, just described. The opposite extension is provided adjacent its end, with portions 5, bent upon themselves at right angles to the plane of the said extension, in a direction opposite to that of the portions 4 of the other extension, from which portions 5, the end of the said extension is extended to and secured upon the angular end 6, of the opposite extension, by means of a rivet, or the like, 7.

Between the clamped ends of the pipe band 2, is secured one end of an adjusting plate 8, extending therefrom, and provided with flanges 9 and 10, extending at right angles therefrom, and parallel with one another. The adjusting plate 8 is further provided with an opening extending transversely therethrough, between said flanges 9 and 10 thereof. Mounted with its reduced curved portion 11 extending through the aforesaid opening of the adjusting plate 8, is a locking piece 12, extending parallel with the flanges 9 and 10 of said adjusting plate, though movable in an arc with relation to said plate 8, by reason of its said connection therewith, and out of parallelism with the flanges 9 and 10 thereof. The flanges 9 and 10, and the locking piece 12, are each provided with transverse central openings there-through, through which projects an adjusting rod 13, provided at one end with a bent hook 14, and at the other end thereof with an eye 15, connected in any suitable manner to the transverse eye 3, formed at one end of the anchor plate 1, as for instance by a wire or rod 16, shown in Fig. 1. The locking piece 12, as shown, is movable toward the flange 9 of the adjusting plate 8, and is so moved by a coil spring 17, surrounding the adjusting rod 13, between the said locking piece 12, and the flange 10 of plate 8. The locking piece 12 is caused to engage with the edges of its opening, the adjusting rod 13, whereby to prevent longitudinal movement of said rod, except in a direction away from the anchor plate 1, as shown in Fig. 1. Thus after the anchor plate 1 has been inserted through the chimney opening, with its parallel angular portions 4 and 6 engaging the chimney A at the sides of said opening, the pipe B may be inserted within said chimney opening until its end engages with the angular portion 5 of said anchor plate. The band 2 is then clamped about the stove

pipe, and after the connecting rod or wire 16 has been secured in position connecting the outer end of the anchor plate 1, with the end 15 of the adjusting rod 13, the said adjusting rod may be moved longitudinally away from the said anchor plate, in order to draw the connection secure and tight. It will be apparent therefore, that after such movement, and the release of the adjusting rod 13, the same will be instantly locked from reverse movement, by the engagement therewith of the locking piece 12, caused by the action of the coil spring 17.

Having fully described my invention, I claim:

In a stove pipe holder, the combination with a pipe adapted to project within a chimney opening, of an anchor plate, having means to engage the chimney at the sides of its opening, and to engage the end of said

pipe, and elements engaging the pipe at a distance from said chimney, and connections between said anchor plate and said engaging element, embodying an adjusting plate carried by the latter, an adjusting rod carried by the former and movable through said adjusting plate, a locking piece having movable connection upon said adjusting plate, and provided with an opening through which said adjusting rod passes, and a spring for moving said locking plate to an angular position with relation to said adjusting rod, whereby to engage the same with the sides of its opening, substantially as described.

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

JAMES N. QUEEN.

Witnesses:

S. P. REED, Jr.,

WALTER BREWER.